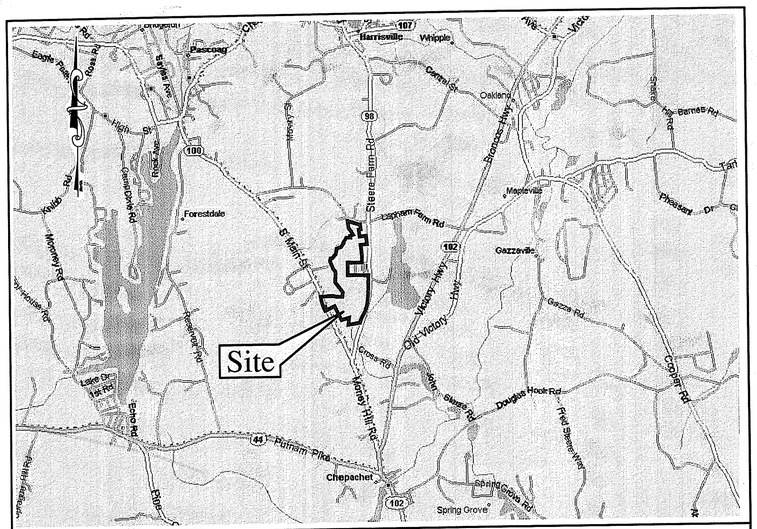
Preliminary Submission

Steere Farm Village

Located on Steere Farm Road - Route 98, South Main Street and Lapham Farm Road Burrillville, Rhode Island

AP 247 Lot 11 & AP 230 Lot 2



Location Map Scale: 1" = 3000'

Sheet Index

1. Cover Sheet
2. Aerial Locus Map
3. Existing Conditions Plan
4. Overall Plan
5. Site Plan
6. Grading & Utility Plan - 1
7. Grading & Utility Plan - 2
8. Plan & Profile - 1
9. Plan & Profile - 2
10. Plan & Profile - 3
11. Detail Sheet - 1
12. Detail Sheet - 2
13. Detail Sheet - 3
14. Detail Sheet - 4
15. Soil Erosion & Sediment Control Plan

Landscape Plan Sheet Index

1. Landscape Plan
2. Landscape Details

Record Plan Sheet Index

1. Perimeter / Open Space Plan - 1
2. Perimeter / Open Space Plan - 2
3. Record Plan - 1
4. Record Plan - 2

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 JUL 01 2016 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

JUN 9 2016

SESC / O&M
The Soil Erosion and Sediment Control Plan (SESC) and Operations and Maintenance Plan (O&M) are required documents with this plan set and must be maintained by the contractor and owner onsite.

RIDOT
The Proposed Improvements Will Not Increase the Rate of Stormwater Runoff Onto the State Highway. All Work Within the State Right of Way Must Conform to the RI Standard Specifications, Details, and Addendums.

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6066 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 7051
REGISTERED PROFESSIONAL ENGINEER
CIVIL
3-2-16

No.	Date	Description	By
0	6-08-2016	Preliminary Resubmission - Notes	JAR
1	7-19-2016	RIDOT Resubmission	JAR
2	8-17-2016	Preliminary Submission Revisions	JAR
3	9-19-2016	Preliminary Submission	JAR
4	10-06-2016	RIDOT Site Submittal Comments	JAR
5	10-24-2016	RIDOT Resubmission	JAR
6	11-04-2016	Water Department Revisions	JAR
7	12-29-2016	RIDOT Resubmission	MSC
8	1-23-2017	RIDOT Resubmission	MSC
9	2-17-2017	RIDOT Resubmission	MSC
10	3-17-2017	RIDOT Wetlands Resubmission	MSC
11	4-17-2017	RIDOT Wetlands Resubmission	MSC
12	5-17-2017	RIDOT Wetlands Resubmission	MSC

Drawn By: JAR

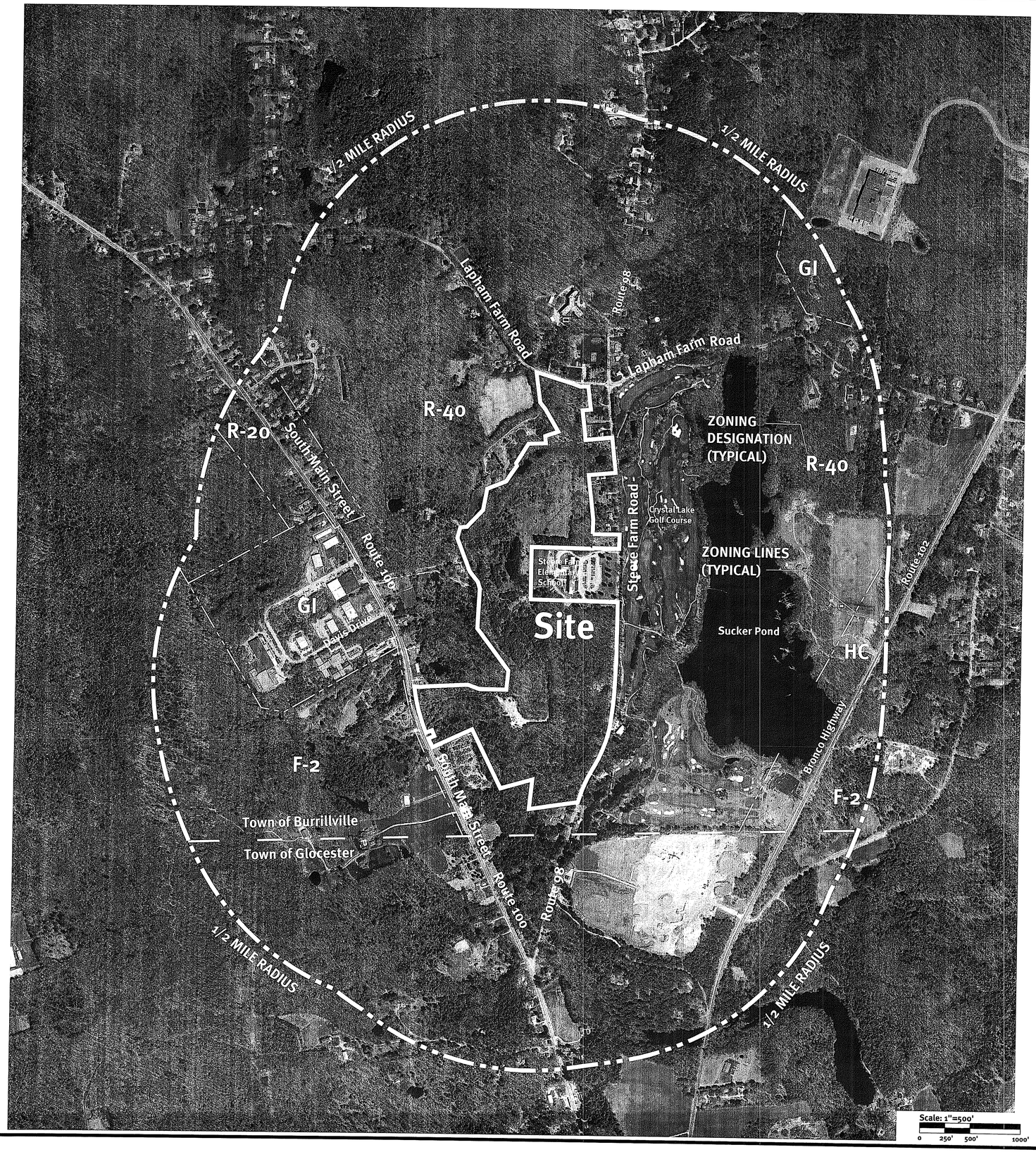
Cover Sheet
Steere Farm Village
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

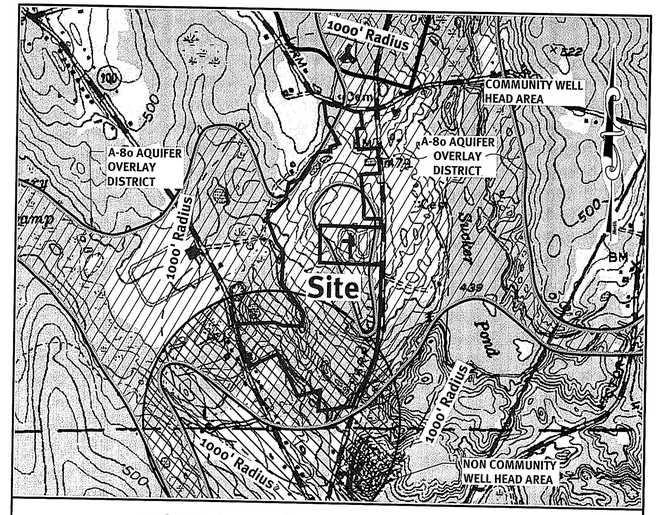
Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 1 OF 15

DE Job No. 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

z:\dem\projects\0095-005 steere farm road\autocad drawings\0095-005-dem.dwg Plotted: 6/8/2016





USGS Location Map Scale 1" = 1000'

Photo obtained from the RI-GIS

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401.943.5600 fax 401.404.6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 10051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By:
10	1-29-2016	Preliminary Resubmission	JAR
9	1-08-2016	Preliminary Submission	JAR
8	3-02-2015	RIDEM Site Suitability Revisions	DAK
7	1-08-2015	Preliminary Submission	JAR
6	10-27-2015	RIDEM Comments - Wetland Comments	DAK
5	10-27-2015	RIDEM Comments	DAK
4	9-25-2015	RIDOT Department Revisions	JAR
3	9-25-2015	RIDOT Comments	JAR
2	8-27-2015	RIDOT Resubmission	HSC
1	6-02-2015	RIDOT Wetlands Submission	HSC
0	6-02-2015	RIDOT Submission	HSC

Aerial Locus Map

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 2 OF 15

DP Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

JUL 01 2015 15-0119

S:\Projects\0095-005 Steere Farm Village\Drawings\0095-005-SITE01.dwg Printed: 3/22/2016

GENERAL NOTES

1. THE SITE IS LOCATED ON THE TOWN OF BURRILLVILLE ASSESSOR'S PLAT 247 LOT 11 & ASSESSOR'S PLAT 230 LOT 2
2. THE SITE IS APPROXIMATELY 93.05± ACRES AND IS ZONED R–40.

   THE OWNER OF AP 247 LOT 11 IS: STEERE FARM VILLAGE, LLC
   P.O. BOX 805
   CHEPACHET, RI 02814

   THE OWNER OF AP 230 LOT 2 IS: TOWN OF BURRILLVILLE
   105 HARRISVILLE MAIN STREET
   HARRISVILLE RI 02830
3. THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44007C0135G AND 44007C0145G, MAP REVISED MARCH 2, 2009.
4. 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. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.
5. SOIL MAPPING OBTAINED FROM SOIL SURVEY OF RHODE ISLAND, PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
6. THE SITE IS NOT WITHIN A:
   NATURAL HERITAGE AREAS (RIDEM)
   HISTORIC DISTRICT (TOWN OF BURRILLVILLE)
8. THE SITE IS WITHIN GROUNDWATER RESOURCE AREA "GAA". GROUNDWATER CLASSIFIED "GAA" ARE THOSE GROUNDWATER RESOURCES THAT ARE KNOWN OR PRESUMED TO BE SUITABLE FOR DRINKING WATER USE WITHOUT TREATMENT (PER RIDEM).
9. THE SITE IS SUBSTANTIALLY WITHIN AN "A–80 AQUIFER OVERLAY DISTRICT" AND PARTIALLY WITHIN A "NON COMMUNITY WELL HEAD AREA" AS DESIGNATED BY THE TOWN OF BURRILLVILLE, RI.
10. THE SITE IS LOCATED IN THE CHEPACHET RIVER SURFACE WATERSHED 01090030203 PER RIDEM.
11. THERE WERE NO CEMETERIES OBSERVED ON THE SITE.
12. WETLANDS DELINEATED BY NATURAL RESOURCES SERVICES, INC. (NRS), P.O. BOX 311 180 TINKHAM LANE, HARRISVILLE, RI 02830. AND LOCATED BY DIPRETE ENGINEERING, 2 STAFFORD COURT, CRANSTON, RI 02920 USING GPS SUBMETER TECHNOLOGY.

AQUIFER OVERLAY DISTRICT

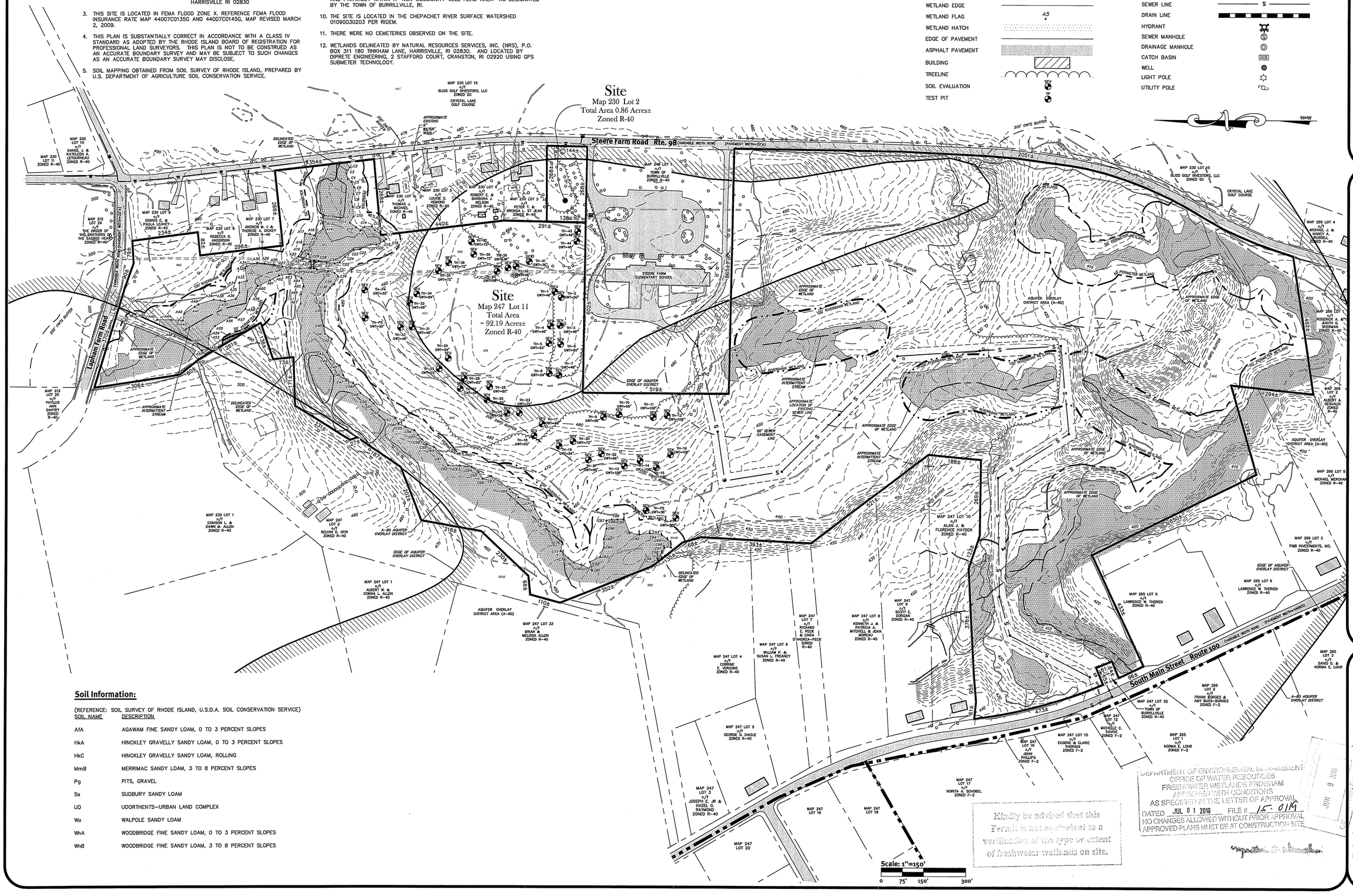
ZONING OF PARCEL	A–80
MINIMUM LOT AREA:	80,000 SQ.FT.
MINIMUM LOT WIDTH:	300 FEET
MINIMUM FRONT YARD SETBACK:	40 FEET
MINIMUM SIDE YARD SETBACK:	15 FEET
MINIMUM REAR YARD SETBACK:	40 FEET
MAXIMUM LOT COVERAGE:	15%

PARCELS CONTAINING MORE THAN ONE "A" ZONE, OR IF ANY PART OF A PARCEL LIES WITHIN AN "A" ZONE, THE MOST RESTRICTIVE ZONE SHALL TAKE PRECEDENCE. (ZONING REGULATION SECTION 30–202 (b)(4))

Existing Conditions Legend: NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY

EX MAJOR FOOT CONTOUR — 160 —
EX MINOR FOOT CONTOUR — 158 —
PROPERTY LINE
ASSESSOR LINE
SOIL LINE AND DESIGNATION (HkC / CaD)
WETLAND EDGE
WETLAND FLAG (A5)
WETLAND HATCH
EDGE OF PAVEMENT
ASPHALT PAVEMENT
BUILDING
TREELINE
SOIL EVALUATION (SEV)
TEST PIT (TP)

EX FENCE
OVERHEAD WIRES (OHW)
UNDERGROUND ELECTRIC (E)
GAS LINE (G)
WATER LINE (W)
SEWER LINE (S)
DRAIN LINE
HYDRANT
SEWER MANHOLE (S)
DRAINAGE MANHOLE (D)
CATCH BASIN (DCB)
WELL
LIGHT POLE
UTILITY POLE



Soil Information:

(REFERENCE: SOIL SURVEY OF RHODE ISLAND, U.S.D.A. SOIL CONSERVATION SERVICE)

SOIL NAME	DESCRIPTION
AfA	AGAWAM FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
HkA	HINCKLEY GRAVELLY SANDY LOAM, 0 TO 3 PERCENT SLOPES
HkC	HINCKLEY GRAVELLY SANDY LOAM, ROLLING
MmB	MERRIMAC SANDY LOAM, 3 TO 8 PERCENT SLOPES
Pg	PITS, GRAVEL
Ss	SUDBURY SANDY LOAM
UD	UDORTHENTS–URBAN LAND COMPLEX
Wa	WALPOLE SANDY LOAM
WhA	WOODBRIDGE FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
WhB	WOODBRIDGE FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 01 2016 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

JUN 9 2016

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

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 7051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By
10	3-21-2016	Preliminary Resubmission	JAR
9	3-08-2016	RIDEM Resubmission	JAR
8	2-08-2016	Preliminary Submission	JAR
7	1-08-2016	RIDEM Pre-Submittal Comments	EHL
6	11-06-2015	RIDEM Resubmission	JAR
5	10-05-2015	Water Department Revisions	JAR
4	9-30-2015	Water Department Revisions	JAR
3	8-12-2015	RIDEM Resubmission	MSC
2	6-12-2015	RIDEM Wetlands Resubmission	MSC
1	05-12-2015	Wetlands Boundaries	MSC

Drawn By: JAR

Existing Conditions Plan

Steere Farm Village

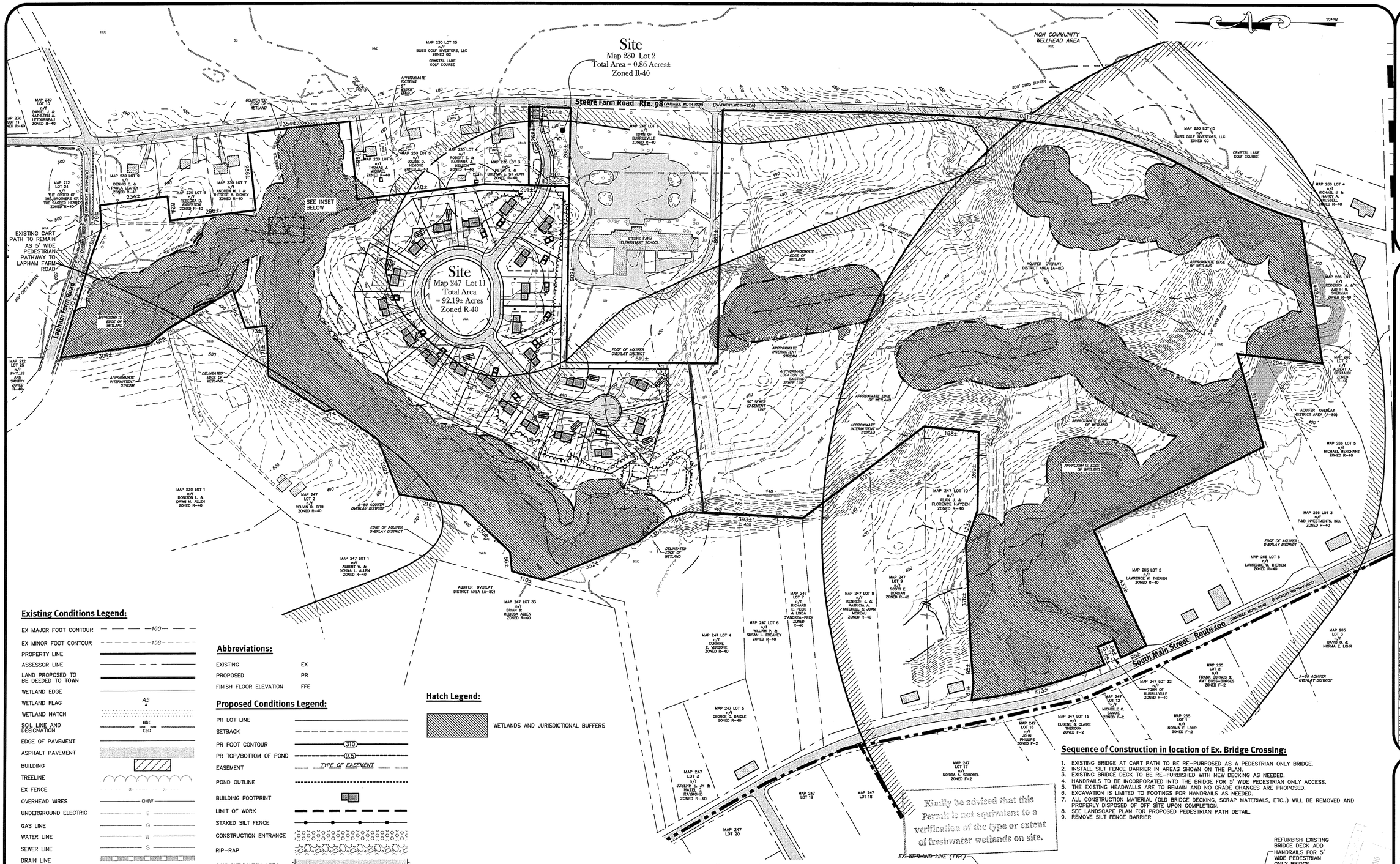
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

SHEET 3 OF 15

z:\dems\in\projects\0095-005 steere farm road\autocad drawings\0095-005-desn.dwg Plotted: 3/22/2016


Site
Map 230 Lot 2
Total Area = 0.86 Acres±
Zoned R-40
Site
Map 247 Lot 11
Total Area
= 92.19± Acres
Zoned R-40
Steere Farm Road Rte. 98 (VARIABLE WIDTH ROW) (PAVEMENT WIDTH-22'±)
South Main Street Route 100 (VARIABLE WIDTH ROW) (PAVEMENT WIDTH-VARIES)
Tapham Farm Road (PAVEMENT WIDTH-22'±)
NON COMMUNITY WELLHEAD AREA
STEERE FARM ELEMENTARY SCHOOL
CRYSTAL LAKE GOLF COURSE
SEE INSET BELOW
EXISTING CART PATH TO REMAIN AS 5' WIDE PEDESTRIAN PATHWAY TO LAPHAM FARM ROAD
EDGE OF AQUIFER OVERLAY DISTRICT
AQUIFER OVERLAY DISTRICT AREA (A-80)
A-80 AQUIFER OVERLAY DISTRICT
APPROXIMATE INTERMITTENT STREAM
APPROXIMATE LOCATION OF EXISTING / SEWER LINE
50' SEWER EASEMENT LINE
APPROXIMATE EDGE OF WETLAND
DELINEATED EDGE OF WETLAND
200' OWTS BUFFER
EX-WETLAND LINE (TYP.)
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.
MAP 230 LOT 1 n/f DONOVAN L. & DAWN M. ALLEN ZONED R-40
MAP 230 LOT 9 n/f DENNIS C. & PAULA LEAHEY ZONED R-40
MAP 230 LOT 8 n/f REBECCA D. ANDERSON ZONED R-40
MAP 230 LOT 7 n/f ANDREW M. II & THERESE A. DICKEY ZONED R-40
MAP 230 LOT 5 n/f LOUISE D. HEMOND ZONED R-40
MAP 230 LOT 4 n/f ROBERT E. & BARBARA L. NELSON ZONED R-40
MAP 230 LOT 3 n/f KEVIN T. & BRENDA L. ST. JEAN ZONED R-40
MAP 230 LOT 15 n/f BUSS GOLF INVESTORS, LLC ZONED GC
MAP 230 LOT 10 n/f DANIEL J. & KATHLEEN A. LETOURNEAU ZONED R-40
MAP 212 LOT 24 n/f THE ORDER OF THE BROTHERS OF THE SACRED HEART ZONED R-40
MAP 212 LOT 23 n/f PHYLLIS ANN SANTRY ZONED R-40
MAP 247 LOT 1 n/f ALBERT W. & DONNA L. ALLEN ZONED R-40
MAP 247 LOT 2 n/f REUVEN S. OFIR ZONED R-40
MAP 247 LOT 33 n/f BRIAN & MELISSA ALLEN ZONED R-40
MAP 247 LOT 4 n/f CORRINE E. VERDONE ZONED R-40
MAP 247 LOT 6 n/f WILLIAM P. & SUSAN L. FREANEY ZONED R-40
MAP 247 LOT 7 n/f RICHARD E. PECK & LINDA D'ANDREA-PECK ZONED R-40
MAP 247 LOT 8 n/f KENNETH J. & PATRICIA A. MITCHELL & JOAN MOREAU ZONED R-40
MAP 247 LOT 9 n/f SCOTT C. DORGAN ZONED R-40
MAP 247 LOT 5 n/f GEORGE G. DAIGLE ZONED R-40
MAP 247 LOT 3 n/f JOSEPH E. JR & HAZEL G. RAYMOND ZONED R-40
MAP 247 LOT 20
MAP 247 LOT 19
MAP 247 LOT 18
MAP 247 LOT 17 n/f NORITA A. SCHOBEL ZONED F-2
MAP 247 LOT 16 n/f JOHN PHILLIPS ZONED F-2
MAP 247 LOT 15 n/f EUGENE & CLAIRE THEROUX ZONED F-2
MAP 247 LOT 12 n/f MICHELLE C. SAVOIE ZONED F-2
MAP 247 LOT 32 n/f TOWN OF BURRILLVILLE ZONED R-40
MAP 247 LOT 10 n/f ALAN J. & FLORENCE HAYDEN ZONED R-40
MAP 248 LOT 6 n/f TOWN OF BURRILLVILLE ZONED R-40
MAP 265 LOT 1 n/f NORMA E. LOHR ZONED F-2
MAP 265 LOT 2 n/f FRANK BORGES & AMY BUSS-BORGES ZONED F-2
MAP 265 LOT 3 n/f P&B INVESTMENTS, INC. ZONED R-40
MAP 265 LOT 5 n/f MICHAEL MERCHANT ZONED R-40
MAP 265 LOT 2 n/f ALBERT A. GESUALDO ZONED R-40
MAP 265 LOT 4 n/f MICHAEL J. & NANCY A. RUSSELL ZONED R-40
MAP 265 LOT 6 n/f RODERICK A. & JUDITH D. SHERMAN ZONED R-40
MAP 285 LOT 5 n/f LAWRENCE W. THERIEN ZONED R-40
MAP 285 LOT 6 n/f LAWRENCE W. THERIEN ZONED R-40
MAP 255 LOT 3 n/f DAVID G. & NORMA E. LOHR
MAP 212 LOT 22 n/f DENNIS C. & PAULA LEAHEY ZONED R-40
MAP 230 LOT 11 n/f DANIEL J. & KATHLEEN A. LETOURNEAU ZONED R-40
MAP 230 LOT 15 n/f BUSS GOLF INVESTORS, LLC ZONED GC
MAP 230 LOT 10 n/f DANIEL J. & KATHLEEN A. LETOURNEAU

GENERAL NOTES

1. THE SITE IS PROPOSED TO BE SERVICED BY PRIVATE WELLS AND PRIVATE ONSITE WASTEWATER TREATMENT SYSTEMS.
2. THE DRAINAGE SYSTEM MEETS THE TOWN OF BURRILLVILLE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. THE STORMWATER MANAGEMENT SYSTEM MEETS THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, DATED DECEMBER 2010.
3. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO RIDEM BEST MANAGEMENT PRACTICES.
4. ALL OPEN SPACE AREAS WHICH ARE DISTURBED BY THE CONSTRUCTION OF THE ROADWAY OR STORMWATER MANAGEMENT SHALL BE RE-VEGETATED TO MEET THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, DATED DECEMBER 2010. ALL OTHER OPEN SPACE AREAS SHALL REMAIN NATURALLY VEGETATED

DIMENSIONAL REGULATIONS (CLUSTER)

ZONING OF PARCEL	R-40 SUBURBAN RESIDENTIAL DISTRICT
GROSS AREA OF PARCEL	93.05± ACRES
MINIMUM LOT AREA	20,000 SQ.FT.
MINIMUM "BUILDABLE AREA"	12,000 SQ.FT.
MINIMUM LOT WIDTH	75 FEET
MINIMUM LOT FRONTAGE ON A CUL-DE-SAC (reduced up to 20 percent below the required lot width)	15 FEET
MINIMUM YARD SETBACKS:	
FRONT YARD SETBACK	30 FEET
SIDE YARD SETBACK	20 FEET
REAR YARD SETBACK	30 FEET

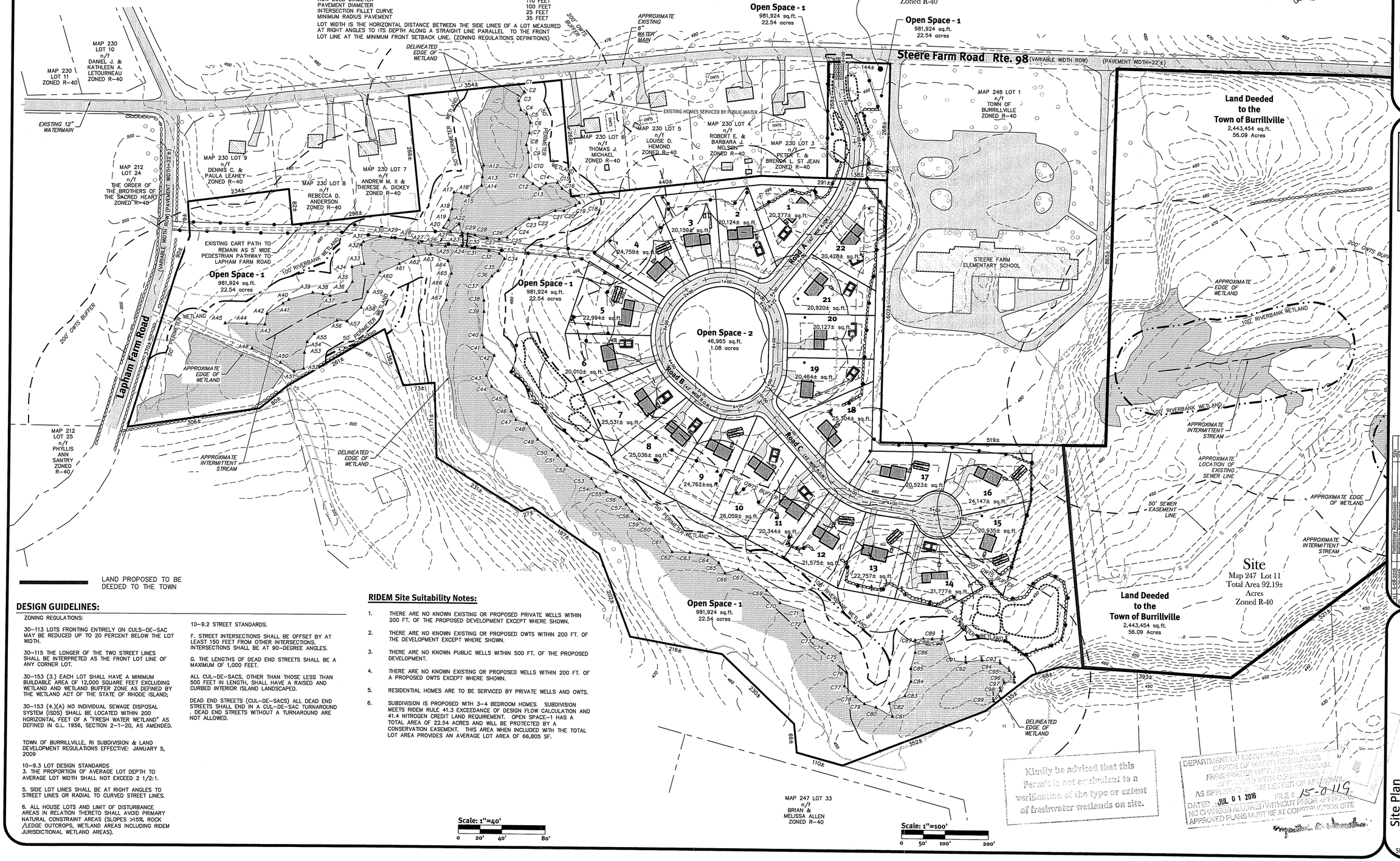
TABLE 10-1 ROADWAY DESIGN STANDARDS - NON-VILLAGE ROADWAYS

ROW WIDTH	43 FEET
PAVEMENT WIDTH	22 FEET (2 X 11' TRAVEL LANES)
MINIMUM RADIUS OF CENTERLINE CURVE	150 FEET
CUL-DE-SACS:	
ROW BULB DIAMETER	110 FEET
PAVEMENT DIAMETER	100 FEET
INTERSECTION FILLET CURVE	25 FEET
MINIMUM RADIUS PAVEMENT	35 FEET

LOT WIDTH IS THE HORIZONTAL DISTANCE BETWEEN THE SIDE LINES OF A LOT MEASURED AT RIGHT ANGLES TO ITS DEPTH ALONG A STRAIGHT LINE PARALLEL TO THE FRONT LOT LINE AT THE MINIMUM FRONT SETBACK LINE. (ZONING REGULATIONS DEFINITIONS)

DEVELOPMENT DATA (CLUSTER)

GROSS AREA OF PARCEL	93.05 ACRES
NUMBER OF BUILDABLE LOTS	22 LOTS
TOTAL AREA OF BUILDABLE LOTS	11.20 ACRES
AVERAGE LOT AREA	0.51 ACRES±
AREA OF RIGHT-OF-WAY	2.14 ACRES
TOTAL LENGTH OF ROADWAY	2,098 LF±
OPEN SPACE:	
TOTAL AREA OF SITE	93.05± ACRES
OPEN SPACE REQUIRED (50% OF TOTAL SITE)	46.53 ACRES REQUIRED (79.71 (86%) ACRES PROPOSED)
MINIMUM REQUIRED OPEN SPACE WITHOUT ENVIRONMENTAL CONSTRAINS (25% OF OPEN SPACE)	11.63 ACRES REQUIRED (29.17 (63%) ACRES PROPOSED)



DESIGN GUIDELINES:

ZONING REGULATIONS:

30-113 LOTS FRONTING ENTIRELY ON CULS-DE-SAC MAY BE REDUCED UP TO 20 PERCENT BELOW THE LOT WIDTH.

30-115 THE LONGER OF THE TWO STREET LINES SHALL BE INTERPRETED AS THE FRONT LOT LINE OF ANY CORNER LOT.

30-153 (3.) EACH LOT SHALL HAVE A MINIMUM BUILDABLE AREA OF 12,000 SQUARE FEET EXCLUDING WETLAND AND WETLAND BUFFER ZONE AS DEFINED BY THE WETLAND ACT OF THE STATE OF RHODE ISLAND;

30-153 (4.)(A) NO INDIVIDUAL SEWAGE DISPOSAL SYSTEM (ISDS) SHALL BE LOCATED WITHIN 200 HORIZONTAL FEET OF A "FRESH WATER WETLAND" AS DEFINED IN G.L. 1956, SECTION 2-1-20, AS AMENDED.

TOWN OF BURRILLVILLE, RI SUBDIVISION & LAND DEVELOPMENT REGULATIONS EFFECTIVE: JANUARY 5, 2009

10-9.3 LOT DESIGN STANDARDS
3. THE PROPORTION OF AVERAGE LOT DEPTH TO AVERAGE LOT WIDTH SHALL NOT EXCEED 2 1/2:1.

5. SIDE LOT LINES SHALL BE AT RIGHT ANGLES TO STREET LINES OR RADIAL TO CURVED STREET LINES.

6. ALL HOUSE LOTS AND LIMIT OF DISTURBANCE AREAS IN RELATION THERETO SHALL AVOID PRIMARY NATURAL CONSTRAINT AREAS (SLOPES >15%, ROCK /LEDGE OUTCROPS, WETLAND AREAS INCLUDING RIDEM JURISDICTIONAL WETLAND AREAS).

10-9.2 STREET STANDARDS.

F. STREET INTERSECTIONS SHALL BE OFFSET BY AT LEAST 150 FEET FROM OTHER INTERSECTIONS. INTERSECTIONS SHALL BE AT 90-DEGREE ANGLES.

G. THE LENGTHS OF DEAD END STREETS SHALL BE A MAXIMUM OF 1,000 FEET.

ALL CUL-DE-SACS, OTHER THAN THOSE LESS THAN 500 FEET IN LENGTH, SHALL HAVE A RAISED AND CURBED INTERIOR ISLAND LANDSCAPED.

DEAD END STREETS (CUL-DE-SACS) ALL DEAD END STREETS SHALL END IN A CUL-DE-SAC TURNAROUND . DEAD END STREETS WITHOUT A TURNAROUND ARE NOT ALLOWED.

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 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.
6. SUBDIVISION IS PROPOSED WITH 3-4 BEDROOM HOMES. SUBDIVISION MEETS RIDEM RULE 41.3 EXCEEDANCE OF DESIGN FLOW CALCULATION AND 41.4 NITROGEN CREDIT LAND REQUIREMENT. OPEN SPACE-1 HAS A TOTAL AREA OF 22.54 ACRES AND WILL BE PROTECTED BY A CONSERVATION EASEMENT. THIS AREA WHEN INCLUDED WITH THE TOTAL LOT AREA PROVIDES AN AVERAGE LOT AREA OF 66,805 SF.

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
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 0 1 2016 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 10051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

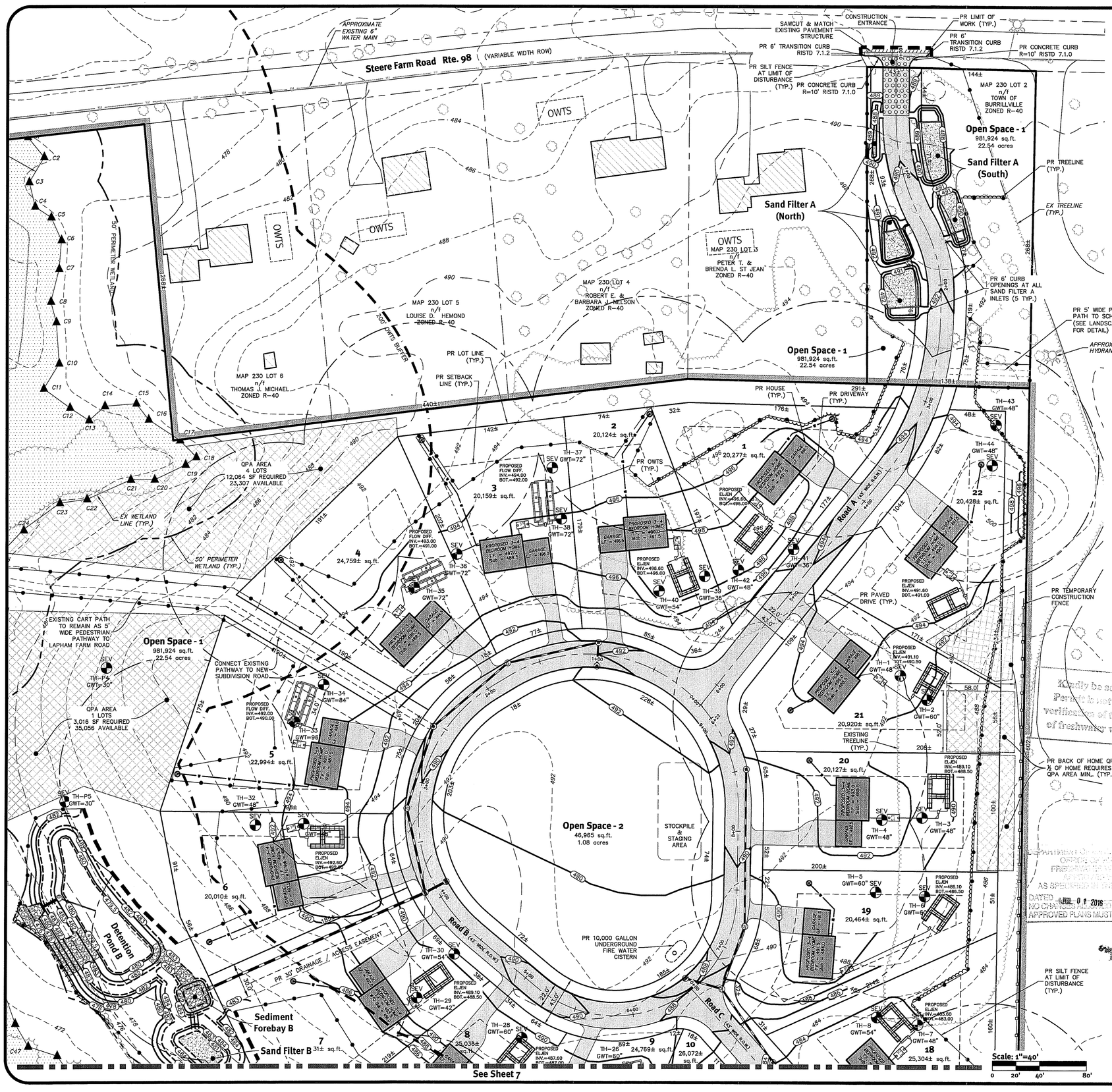
No.	Date	Description	By
10	6/8/2016	Preliminary Resubmission - Notes	CMT
9	5/23/2016	Preliminary Resubmission	CMT
8	3/18/2016	RIDEM Resubmission	JAK
7	2/25/2016	RIDEM Site Suitability Revisions	JAK
6	1/28/2016	Preliminary Submission	JAK
5	10/26/2015	RIDEM Site Suitability Comments	EKH
4	9-30-2015	RIDEM Submission	EKH
3	9-30-2015	Water Department Revisions	JAK
2	8-12-2015	ROOT Resubmission	MSC
1	8-12-2015	RIDEM Wetlands Resubmission	MSC
0	6/8/2015	RIDEM Wetlands Submission	JAK

Site Plan
Steere Farm Village
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island
Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 5 OF 15

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

z:\dem\projects\0095-005 steere farm road\autocad drawings\0095-005-dsn.dwg Plotted: 6/8/2016



General Notes:

1. THE SITE IS LOCATED ON THE TOWN OF BURRILLVILLE ASSESSOR'S PLAT 247 LOT 11 & ASSESSORS PLAT 230 LOT 2.
2. THE SITE IS APPROXIMATELY 93.05± ACRES AND IS ZONED R-40.
3. THE OWNER OF AP 247 LOT 11 IS: STEERE FARM VILLAGE, LLC
   P.O. BOX 805
   CHEPACHET, RI 02814

   THE OWNER OF AP 230 LOT 2 IS: TOWN OF BURRILLVILLE
   105 HARRISVILLE MAIN STREET
   HARRISVILLE RI 02830
4. THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44007C0135G AND 44007C0145G, MAP REVISED MARCH 2, 2009.
5. 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. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.
6. SOIL MAPPING OBTAINED FROM SOIL SURVEY OF RHODE ISLAND, PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
7. THE SITE IS NOT WITHIN A:
   - NATURAL HERITAGE AREAS (RIDEM)
   - HISTORIC DISTRICT (TOWN OF BURRILLVILLE)
8. THE SITE IS WITHIN GROUNDWATER RESOURCE AREA "GAA". GROUNDWATER CLASSIFIED "GAA" ARE THOSE GROUNDWATER RESOURCES THAT ARE KNOWN OR PRESUMED TO BE SUITABLE FOR DRINKING WATER USE WITHOUT TREATMENT (PER RIDEM).
9. THE SITE IS SUBSTANTIALLY WITHIN AN "A-80 AQUIFER OVERLAY DISTRICT" AND PARTIALLY WITHIN A "NON COMMUNITY WELL HEAD AREA" AS DESIGNATED BY THE TOWN OF BURRILLVILLE, RI.
10. THE SITE IS LOCATED IN THE CHEPACHET RIVER SURFACE WATERSHED 01090030203 PER RIDEM.
11. THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE PROJECT PLANS AND THE CONTRACTOR/ OWNER MUST MAINTAIN THESE DOCUMENTS AS PART OF A FULL PLAN SET:
    - SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC). THE SESC CONTAINS THE FOLLOWING:
      - EROSION CONTROL MEASURES
      - SHORT TERM MAINTENANCE
      - ESTABLISHMENT OF VEGETATIVE COVER
      - CONSTRUCTION POLLUTION PREVENTION
      - SEQUENCE OF CONSTRUCTION
    - OPERATIONS AND MAINTENANCE PLAN (O&M). THE O&M CONTAINS THE FOLLOWING:
      - LONG TERM MAINTENANCE
      - LONG TERM POLLUTION PREVENTION
12. THIS PLAN SET REFERENCES RIDOT STANDARD DETAILS (DESIGNATED AS RIDOT STD X.X.X.). RIDOT STANDARD DETAILS ARE AVAILABLE FROM RIDOT AND ONLINE AT: HTTP://WWW.TMC.DOT.RI.GOV/DOCUMENTS/DOINGBUSINESS/RIDOT_BRIDGE_STANDARDS.PDF
13. TRAFFIC CONTROL MEASURES DURING CONSTRUCTION TO BE IN ACCORDANCE WITH THE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES), LATEST EDITION INCLUDING ALL REVISIONS.
14. THE SITE IS TO BE SERVICED BY INDIVIDUAL PRIVATE WELLS AND PRIVATE OWTS.
15. PROPOSED RIGHTS OF WAY ARE TO BE 43' WIDE WITH 22' WIDE PAVEMENT (11' TRAVEL LANES).
16. THE DRAINAGE SYSTEM MEETS THE BURRILLVILLE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WITH THE USE OF CATCH BASINS, CULVERTS, AND DRAINAGE BASINS. THE STORMWATER MANAGEMENT SYSTEM MEETS THE RIDEM BEST MANAGEMENT PRACTICES.
17. THE SITE IS PROPOSED TO BE BUILT IN 1 PHASE AND HOMES ARE PROPOSED TO BE THREE TO FOUR BEDROOMS.
18. TEST PITS AND SOIL EVALUATIONS WERE COMPLETED BY DIPRETE ENGINEERING ON 12/19/2014.

Grading and Utility Notes:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ONSITE. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER, THE DIRECTOR OF PUBLIC WORKS, THE TOWN ENGINEER, AND RI DEPT. OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. CONSTRUCTION TO COMMENCE SUMMER 2016 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
3. ALL WORK PERFORMED HEREIN SHALL BE GOVERNED BY THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND TOWN OF BURRILLVILLE STANDARD SPECIFICATIONS AND DETAILS.
4. SEQUENCE OF CONSTRUCTION SHOWN IN SESC MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
5. 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 DIPRETE ENGINEERING THAT UTILITY SERVICE IS AVAILABLE.
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.
7. ALL PROPOSED UTILITIES SERVING THE SITE AND BUILDINGS TO BE COORDINATED WITH APPLICANT, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
8. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION INCLUDING ALL REVISIONS.
9. ALL COMPONENTS OF THE DRAINAGE, SEWER AND WATER SYSTEMS MUST BE ASBUILT PRIOR TO COVERING. ENGINEER TO BE NOTIFIED PRIOR TO COVERING TO SURVEY ASBUILT LOCATIONS. ENGINEER WILL NOT ACCEPT FIELD MEASUREMENTS FROM THE SITE CONTRACTOR.
10. NO STOCKPILING OF MATERIAL TO BE LOCATED IN THE RIGHT OF WAY AND NO OPEN TRENCHES ARE TO BE LEFT OVERNIGHT.
11. ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE.
12. ALL EXCESS SOIL, TREES, ROCKS, BOULDERS, AND OTHER REFUSE, SHALL BE DISCARDED OFF SITE IN AN ACCEPTABLE MANNER AT AN APPROVED LOCATION. STUMPS SHALL BE GROUND ONSITE OR REMOVED.
13. NO STUMP DUMPS ARE PROPOSED ONSITE.
14. ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFOREMENTIONED PLANS OF RECORD AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS SHALL BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. CALL THE DIG SAFE CENTER TOLL FREE AT 1-888-344-7233 IN MA, ME, NH, RI & VT, PRIOR TO EXCAVATION. NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE SHALL BE THE SITE CONTRACTORS RESPONSIBILITY.
15. IF CONCRETE TRUCKS ARE WASHED OUT ONSITE, ALL WASHOUT MUST BE COMPLETED IN THE DESIGNATED CONCRETE WASHOUT AREA.

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

OFFICE OF PLANNING & DEVELOPMENT PRESENTED FOR APPROVAL AS SPECIFIED IN FILE NO. 15-0119 DATED JUL 01 2016 NO CHANGES ARE TO BE MADE WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION SITE

RECEIVED JUN 9 2016

No.	Date	Description	By:
10	3-21-2016	Preliminary Resubmission	JAR
9	3-18-2016	RIDEM Resubmission	JAR
8	3-08-2016	RIDEM Site Suitability Revisions	JAR
7	2-29-2016	RIDEM Resubmission	EH
6	11-06-2015	RIDEM Site Suitability Comments	JAR
5	9-30-2015	Water Treatment Revisions	JAC
4	9-25-2015	RIDOT Resubmission	MSC
3	9-17-2015	RIDOT Resubmission	MSC
2	8-12-2015	RIDEM Wetlands Resubmission	MSC
1	7-31-2015	RIDEM Wetlands Submission	JAR
0	06-02-2015	Preliminary Submission	JAR

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 10051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

Grading & Utility Plan - 1

Steere Farm Village
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Owner
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 6 OF 15

DE Job No.:0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

z:\dlemain\projects\0095-005 steere farm road\autocad drawings\0095-005-desin.dwg Plotted: 3/21/2016

See Sheet 6

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 10516
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By
10	3-22-2016	Preliminary Resubmission	JAR
9	3-18-2016	RIDEM Wetlands Revisions	JAR
8	3-11-2016	Preliminary Submission	JAR
7	1-08-2016	Preliminary Submission	JAR
6	10-27-2015	RIDEM Wetlands Comments	DJM
5	10-27-2015	RIDEM Comments	JAR
4	9-30-2015	Water Department Revisions	JAR
3	9-22-2015	Water Department	JAR
2	8-27-2015	RIDOT Resubmission	MSC
1	8-17-2015	RIDEM Wetlands Resubmission	MSC
0	6-26-2015	RIDEM Wetlands Submission	MSC

Grading & Utility Plan - 2

Steere Farm Village

Ap 24y Lot 11 & Ap 23o Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 7 OF 15

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

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

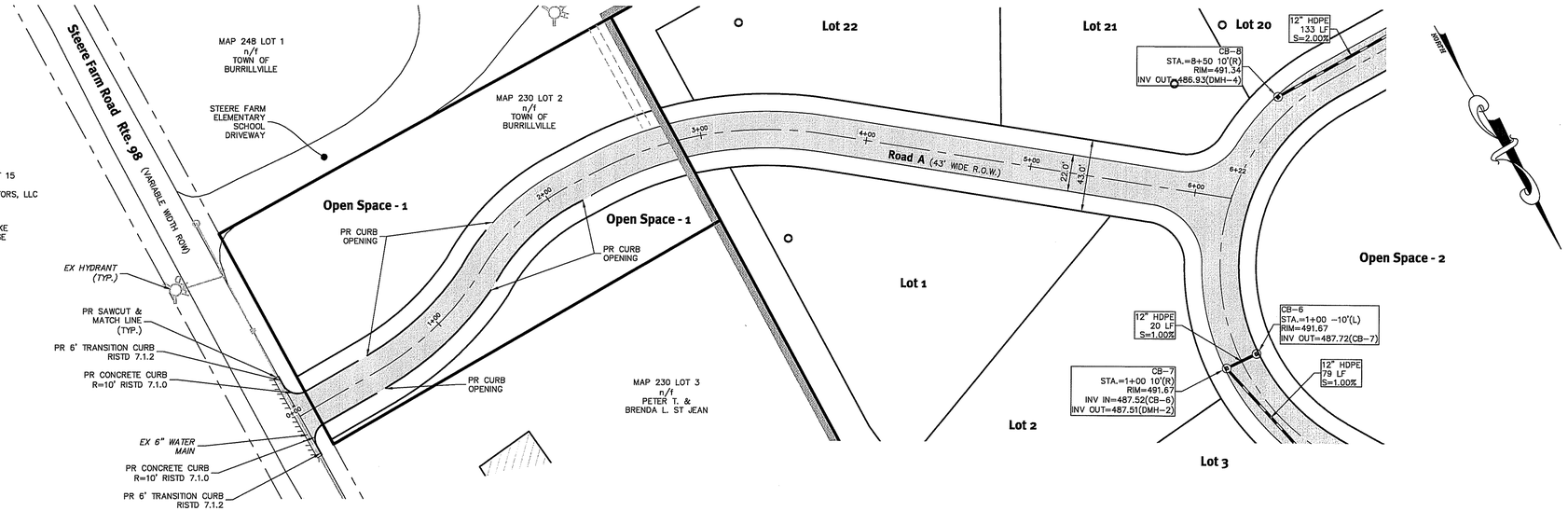
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WETLAND LINE
AS SPECIFIED ON PLAN
DATED JUL 0 1 2016 FILE # APPROVAL
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE KEPT ON CONSTRUCTION SITE

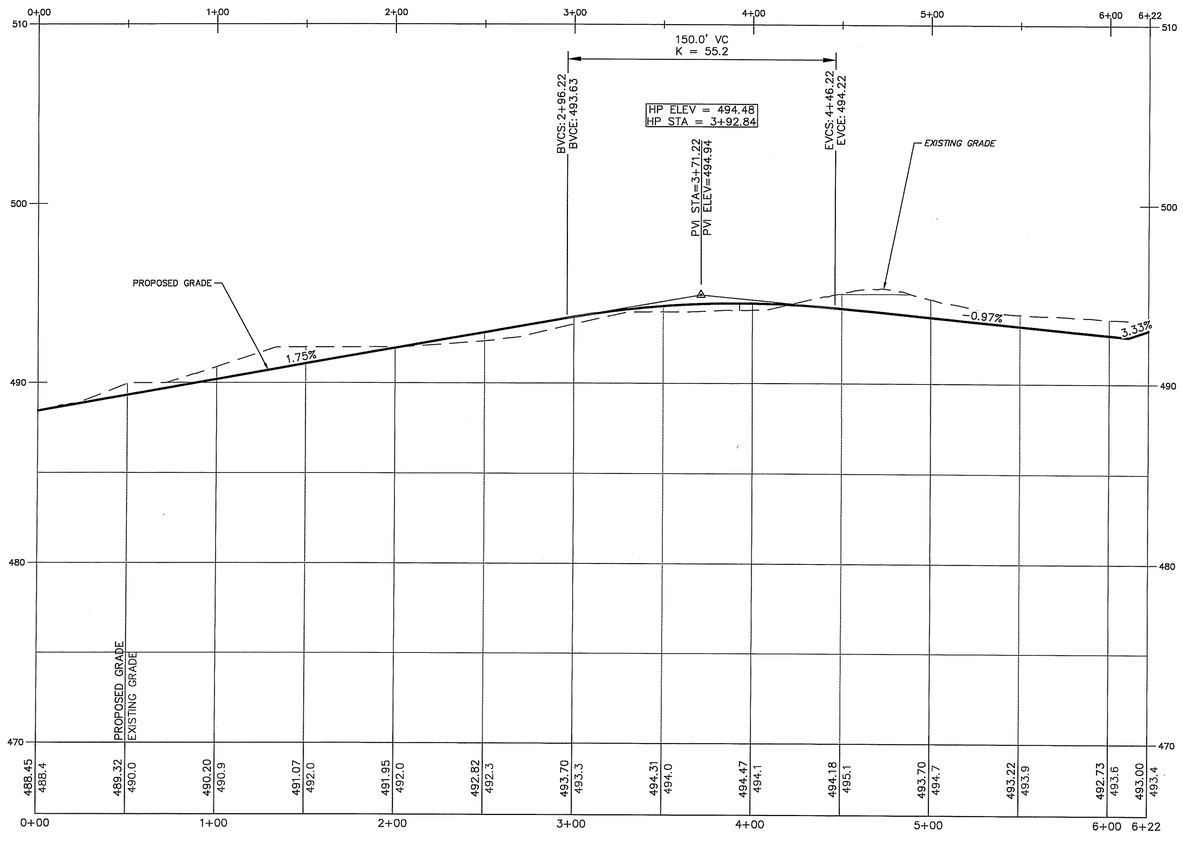
15-0119

DELINEATED EDGE OF WETLAND

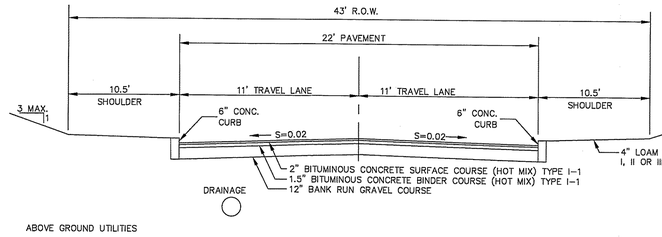
Scale: 1"=40'
0 20' 40' 80'

z:\dem\main\projects\0095-005 steere farm road\autocad drawing\0095-005-desn.dwg Plotted: 3/22/2016





Sta. 0+00 To 6+22



Typical Road Construction

NOT TO SCALE

Vertical: 0 2' 4' 8'

Horizontal: 0 20' 40' 80'

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
FRESHWATER WETLANDS PROGRAM
OFFICE OF WATER RESOURCES
AS SPECIFIED IN LETTER OF APPROVAL
DATED JUL 0 1 2016 FILE # 15-0179
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

JUN 9 2016

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 15051
3-21-16
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No	Date	Description	By
10	3-21-2016	Preliminary Resubmission	JAR
9	3-18-2016	RIDEM Resubmission	JAR
8	2-29-2016	RIDEM Stormwater Revisions	JAR
7	1-08-2016	Preliminary Submission	JAR
6	11-06-2015	RIDEM Soil Suitability Comments	EH
5	10-26-2015	RIDEM Submittal	JAR
4	9-30-2015	Water Department Revisions	JAR
3	8-17-2015	RIDEM Resubmission	MSC
2	8-17-2015	RIDOT Resubmission	MSC
1	8-17-2015	RIDEM Wetlands Resubmission	MSC
No.	6-05-2015	Conservation Wetlands Submission	JAR

Drawn By: JAR

Plan & Profile - 1

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

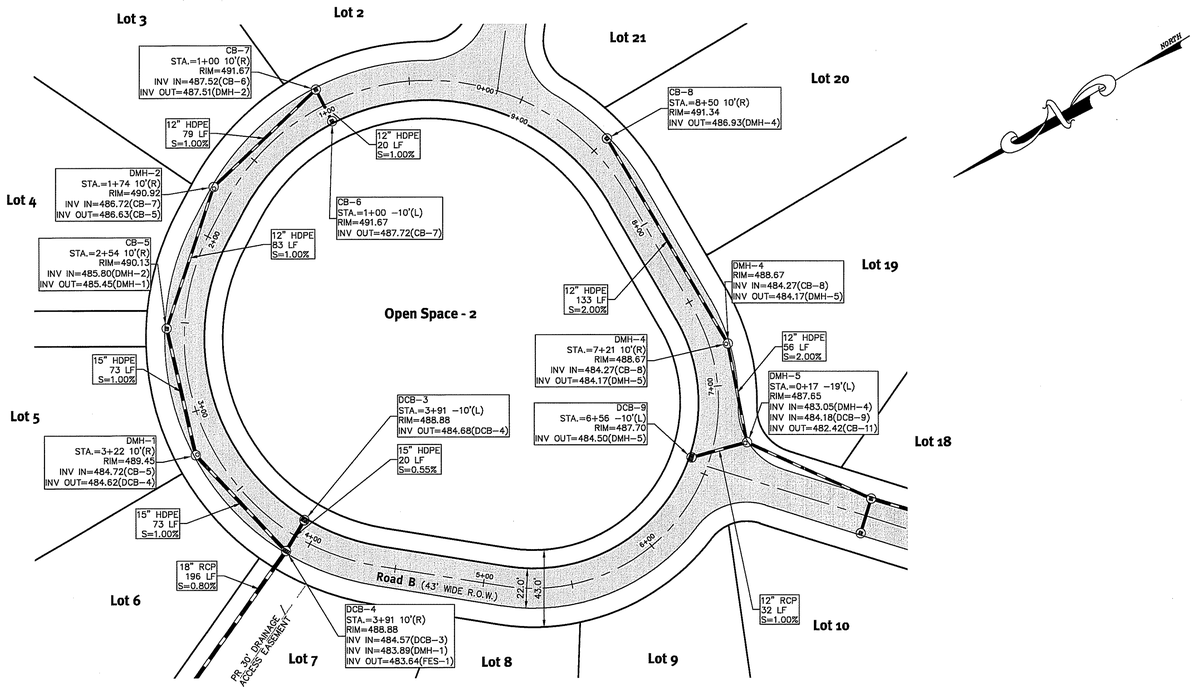
Client
Steere Farm Village, LLC
P.O. Box 865
Chepachet, RI 02814

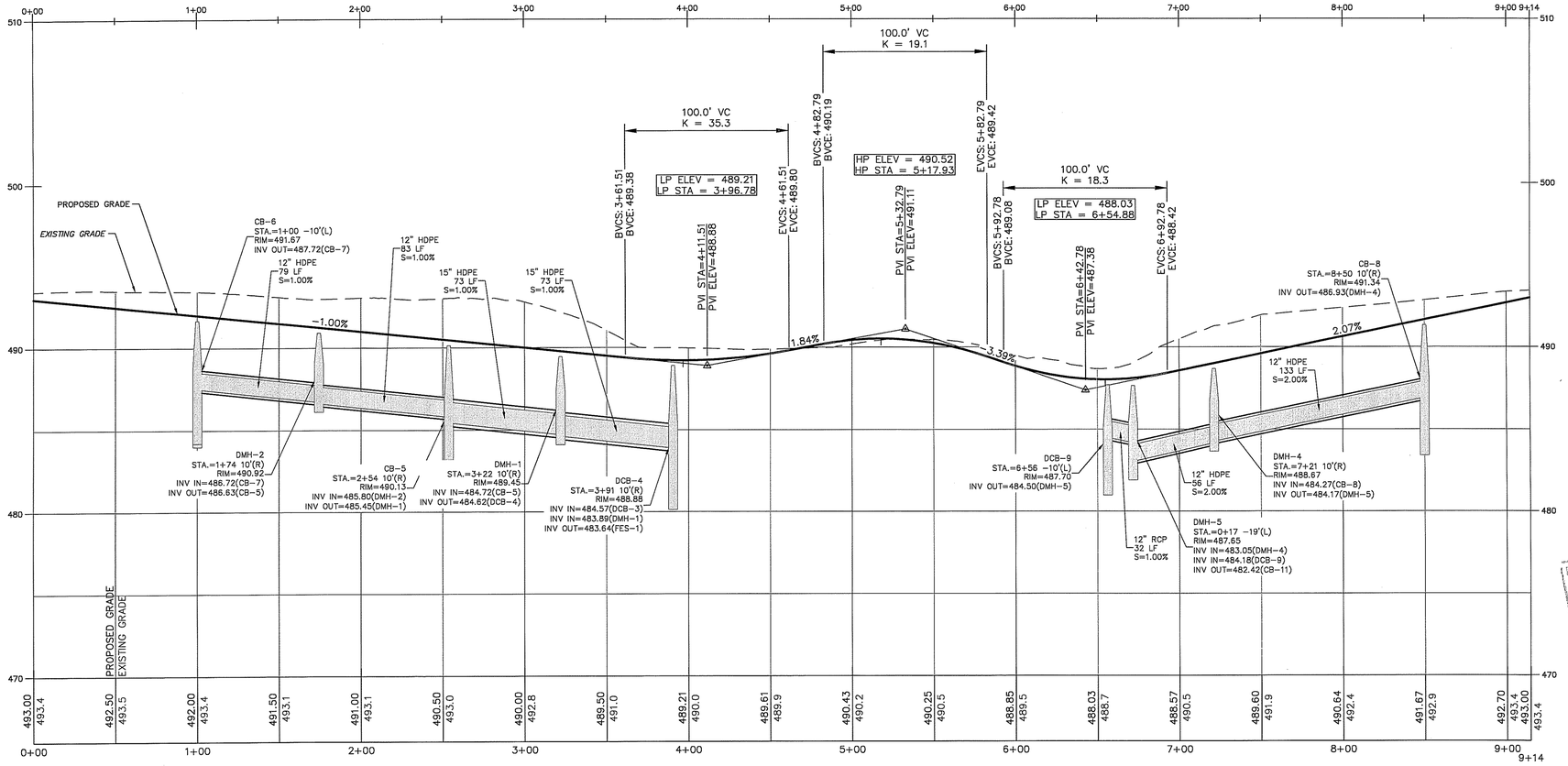
DE Job No: 0095-005

Copyright 2016 by DiPrete Engineering Associates, Inc.

SHEET 8 OF 15

z:\domain\projects\0095-005 steere farm road\autocad drawings\0095-005-dsn.dwg Plotted: 3/22/2016





Vertical: 0 2' 4' 8'

Horizontal: 0 20' 40' 80'

Kindly be advised that this Permit is not an indication 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
AS SPECIFIED IN LETTER OF APPROVAL FILE # 15-0119
DATED MAR 0 1 2016
NO CHANGES WILL BE MADE WITHOUT PRIOR DEPARTMENT APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 7051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By:
0	06-09-2015	RIDEM Wetlands Submission	JAR
1	8-17-2015	RIDEM Wetlands Resubmission	MSC
2	9-17-2015	RIDEM Wetlands Resubmission	MSC
3	9-17-2015	RIDOT Resubmission	MSC
4	9-25-2015	RIDEM Wetlands Resubmission	JAR
5	10-07-2015	Water Department Revisions	JAR
6	10-06-2015	RIDEM site suitability Comments	EH
7	1-28-2016	RIDEM site suitability Revisions	JAR
8	3-18-2016	RIDEM SWS Submission Revisions	JAR
9	3-21-2016	Preliminary Resubmission	JAR

Drawn By: JAR

Plan & Profile - 2

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 9 OF 15

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

z:\demain\projects\0095-005 steere farm road\autocad drawings\0095-005-dsm.dwg Plotted: 3/22/2016

Sta. 0+00 To 5+62

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

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
PROCESSED WITH NARRA PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 01 2016 FILE # 15-0119
NO CHANGES SHALL BE MADE WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

JUN 9 2016

Vertical: 0 2' 4' 8'
Horizontal: 0 20' 40' 80'

No.	Date	Description	By:
0	3-22-2016	Preliminary Resubmission	JAR
1	4-19-2016	RIDEM Site Suitability Revisions	JAR
2	5-06-2016	Preliminary Submission	JAR
3	5-31-2016	RIDEM Site Suitability Comments	JAR
4	6-27-2015	RIDEM Comments	DAK
5	9-29-2015	Water Department Revisions	JAC
6	10-27-2015	Preliminary Resubmission	JAC
7	1-08-2016	RIDOT Resubmission	MSC
8	2-19-2016	RIDEM Wetlands Resubmission	MSC
9	3-02-2016	RIDEM Wetlands Submission	MSC

Plan & Profile - 3

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

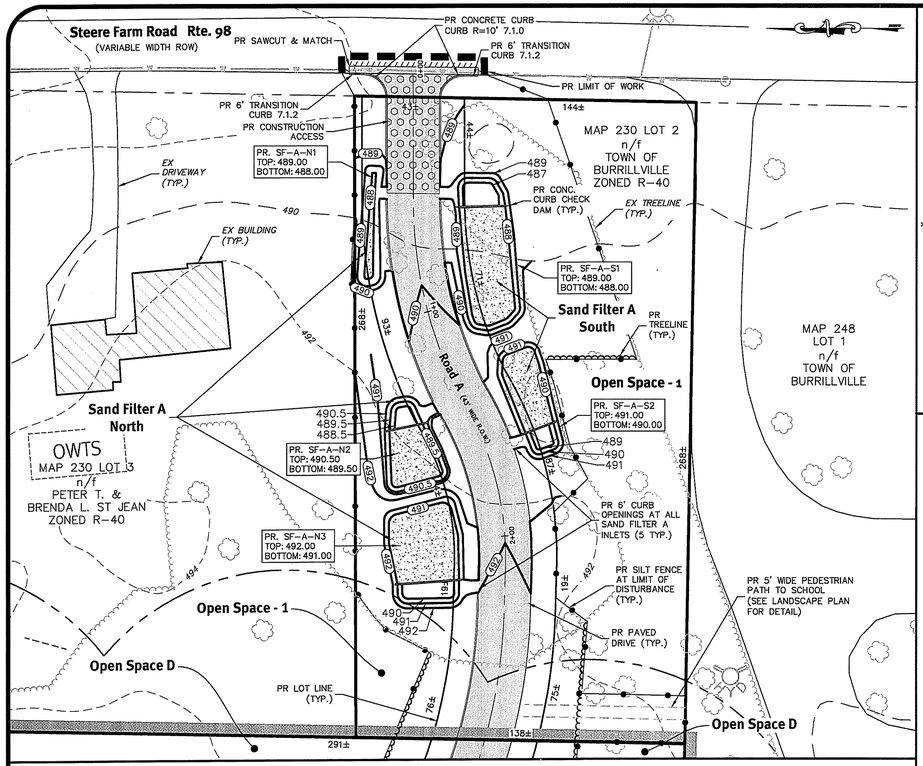
SHEET 10 OF 15

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 7051
3-21-16
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

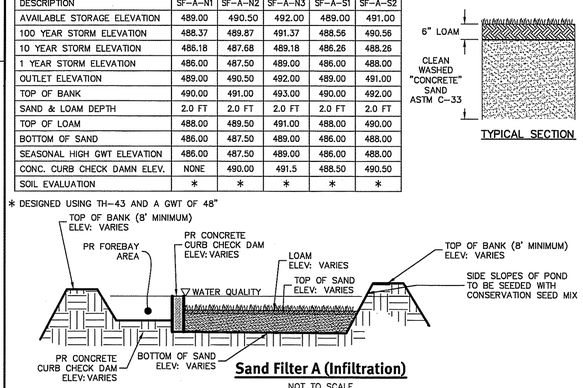
K:\Active Projects\0095-005 Steere Farm Village\Autocad Drawings\0095-005-dwt.dwg Plotted: 3/22/2016



Sand Filter A

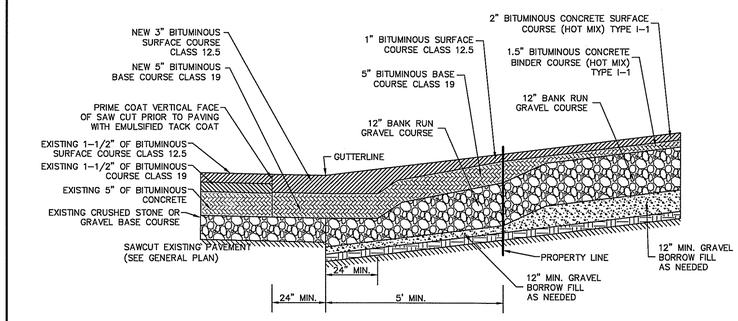
DESCRIPTION	SF-A-N1	SF-A-N2	SF-A-N3	SF-A-S1	SF-A-S2
AVAILABLE STORAGE ELEVATION	489.00	490.50	492.00	489.00	491.00
100 YEAR STORM ELEVATION	488.37	489.87	491.37	488.56	490.56
10 YEAR STORM ELEVATION	486.18	487.68	489.18	486.26	488.26
1 YEAR STORM ELEVATION	486.00	487.50	489.00	486.00	488.00
OUTLET ELEVATION	489.00	490.50	492.00	489.00	491.00
TOP OF BANK	490.00	491.00	493.00	490.00	492.00
SAND & LOAM DEPTH	2.0 FT	2.0 FT	2.0 FT	2.0 FT	2.0 FT
TOP OF LOAM	488.00	489.50	491.00	488.00	490.00
BOTTOM OF SAND	486.00	487.50	489.00	486.00	488.00
SEASONAL HIGH GWT ELEVATION	486.00	487.50	489.00	486.00	488.00
CONC. CURB CHECK DAMN ELEV.	NONE	490.00	491.5	488.50	490.50
SOIL EVALUATION	*	*	*	*	*

* DESIGNED USING TH-43 AND A GWT OF 48"



Sand Filter A (Infiltration)

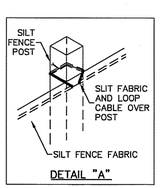
NOT TO SCALE

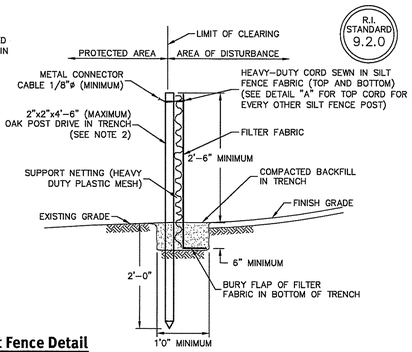


Sawcut & Match for State R.O.W.

NOT TO SCALE

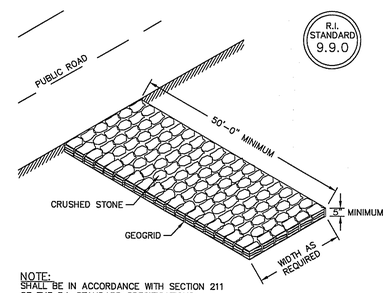
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. 2"x2"x4'-6" (MAXIMUM) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAXIMUM) O.C. IN WETLAND AREAS AND 4'-0" (MAXIMUM) O.C. IN WETLAND RAVINE. GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
3. 1"x1"x4'-6"(MINIMUM) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.





Silt Fence Detail

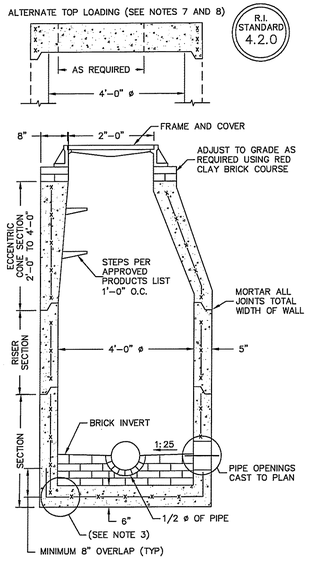
NOT TO SCALE



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

Construction Access

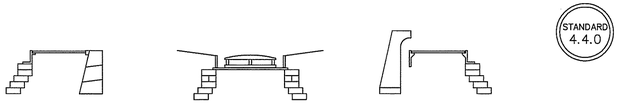
NOT TO SCALE



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQUARE INCH/LIN. FOOT MINIMUM.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQUARE INCH/LIN. FOOT (BOTH WAYS).
4. ONE POUR MONOLITHIC BASE SECTION.
5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAWCUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
6. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
7. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
8. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
9. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

Precast 4'-0" Round Manhole

NOT TO SCALE



TYPE CATCH BASIN AS REQUIRED

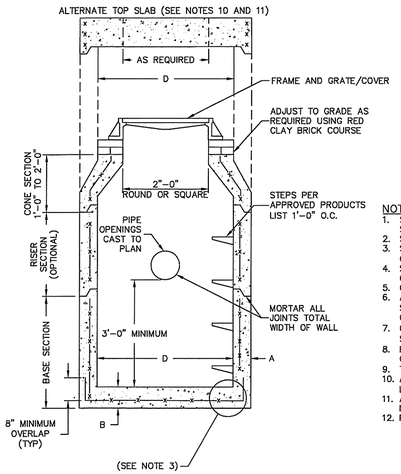


TABLE 1			
CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4'-0"	5"	6"	0.12 SQ. IN./LIN. FT.
5'-0"	6"	7"	0.15 SQ. IN./LIN. FT.
6'-0"	7"	8"	0.18 SQ. IN./LIN. FT.

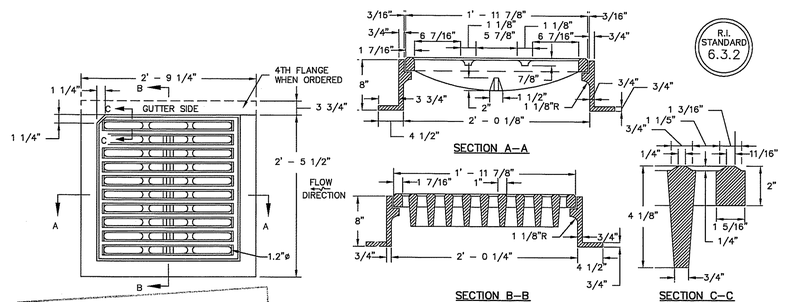
* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQUARE INCH/LIN. FOOT (BOTH WAYS).
4. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
5. ONE POUR MONOLITHIC BASE SECTION.
6. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAWCUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
7. CORBEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0" CATCH BASIN ONLY.
8. FOR CATCH BASIN TYPES "D" AND "F" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
9. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
10. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
11. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
12. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 01 2016 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
REVIEW PLAN MUST BE ON SITE

Precast Round Catch Basin

NOT TO SCALE



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

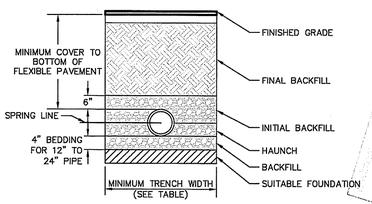
Square Frame And Grate (Bicycle Safe)

NOT TO SCALE

INSTALLATION NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS, LATEST ADDITION.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100MM) FOR 4"-24" (100MM-600MM); 6" (150MM) FOR 30"-60" (750MM-900MM).
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" ø PIPE AND 24" OF COVER FOR 54"-60" ø PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

PIPE ø	MINIMUM TRENCH WIDTH
6"	23"
8"	26"
12"	30"
15"	34"
24"	39"



HDPE Trench Detail

NOT TO SCALE

JUN 9 2016

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 7051
REGISTERED
PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By:
10	3-23-2016	Preliminary Resubmission	JAR
9	3-31-2016	RIDEM Resubmission	JAR
8	5-02-2016	RIDEM Site Suitability Revisions	AAK
7	5-16-2016	RIDEM Wetlands Submission	AAK
6	11-06-2015	RIDEM Site Suitability Comments	PJH
5	10-27-2015	RIDEM Comments	AAK
4	9-22-2015	RIDEM Wetlands Revisions	ASC
3	9-17-2015	RIDEM Resubmission	ASC
2	8-27-2015	RIDEM Resubmission	ASC
1	8-14-2015	RIDEM Wetlands Submission	ASC
0	06-02-2015	RIDEM Wetlands Submission	AR

Drawn By: JAR

Detail Sheet - 1

Steere Farm Village

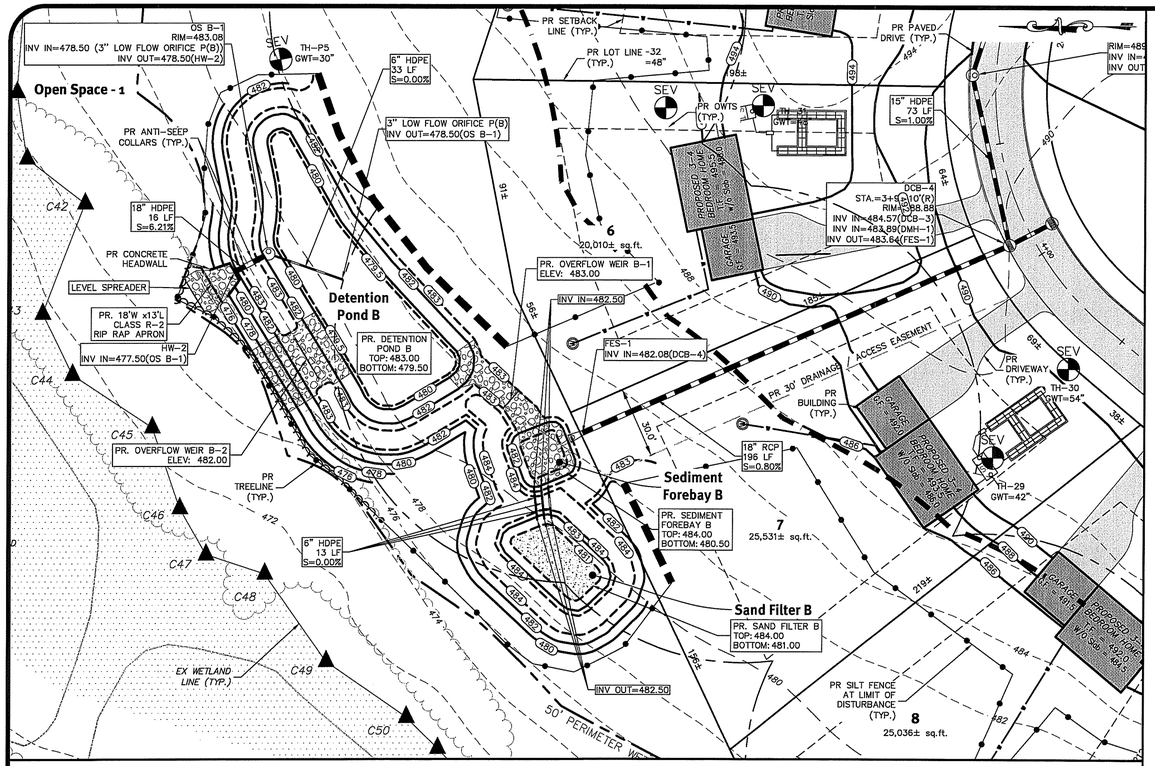
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
Chepachet, RI 02814
P.O. Box 805

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

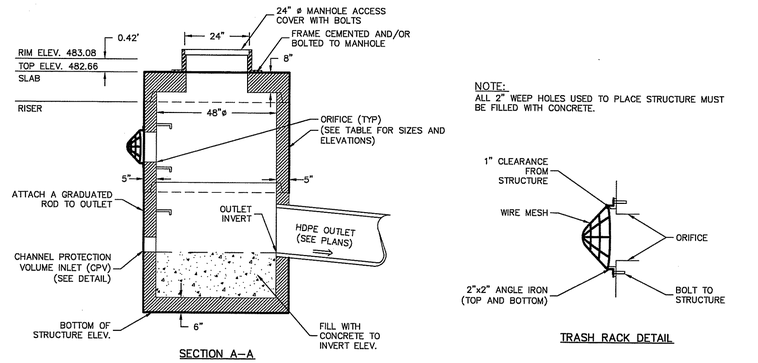
SHEET 11 OF 15

z:\dem\in\projects\0095-005 steere farm road\autocad drawing\0095-005-dem.dwg Plotted: 3/23/2016



Detention Pond B

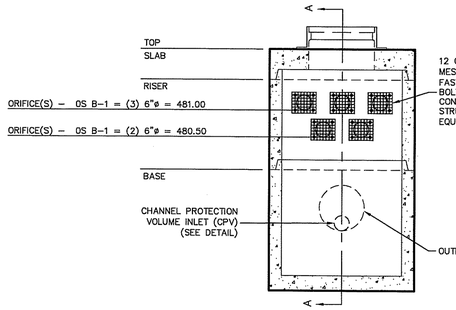
Scale: 1"=30'
0 15' 30' 60'

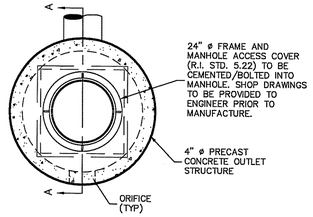


SECTION A–A

NOTE:
ALL 2" WEEP HOLES USED TO PLACE STRUCTURE MUST BE FILLED WITH CONCRETE.

TRASH RACK DETAIL



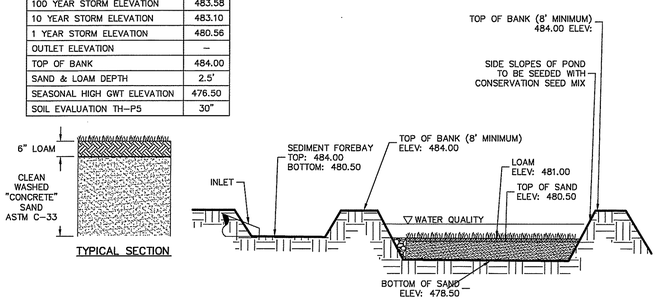


TOP VIEW

4' Diameter Outlet Structure - OS B-1

NOT TO SCALE

DESCRIPTION	SF–B
AVAILABLE STORAGE ELEVATION	484.00
100 YEAR STORM ELEVATION	483.58
10 YEAR STORM ELEVATION	483.10
1 YEAR STORM ELEVATION	480.56
OUTLET ELEVATION	–
TOP OF BANK	484.00
SAND & LOAM DEPTH	2.5'
SEASONAL HIGH GWT ELEVATION	476.50
SOIL EVALUATION TH–P5	30"



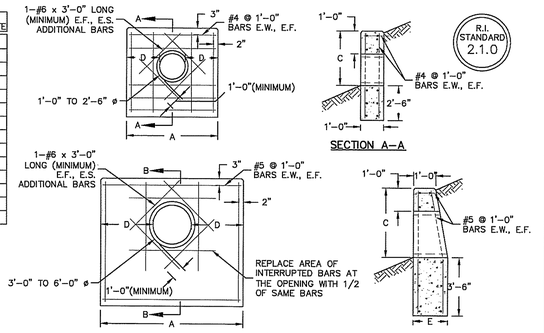
TYPICAL SECTION

Sand Filter B (Infiltration)

NOT TO SCALE

ø OF PIPE	A	C	D	E	CU. FT. CONCRETE
1'–0"	3'–0"	2'–2"	1'–0"	–	13.2
1'–3"	3'–9"	2'–5"	1'–3"	–	17.2
1'–6"	4'–6"	2'–8"	1'–6"	–	21.5
1'–9"	5'–3"	2'–11"	1'–9"	–	26.0
2'–0"	6'–0"	3'–2"	2'–0"	–	30.9
2'–3"	6'–9"	3'–6"	2'–3"	–	36.5
2'–6"	7'–6"	3'–9"	2'–6"	–	42.0
3'–0"	9'–6"	4'–0"	3'–3"	1'–5"	84.1
3'–6"	11'–0"	4'–6"	3'–9"	1'–7"	111.8
4'–0"	12'–8"	5'–0"	4'–4"	1'–9"	146.5
4'–6"	14'–4"	5'–6"	4'–11"	1'–11"	186.3
5'–0"	16'–0"	6'–0"	5'–6"	2'–1"	232.6
5'–6"	17'–8"	6'–6"	6'–1"	2'–3"	284.9
6'–0"	19'–4"	7'–0"	6'–8"	2'–5"	343.6

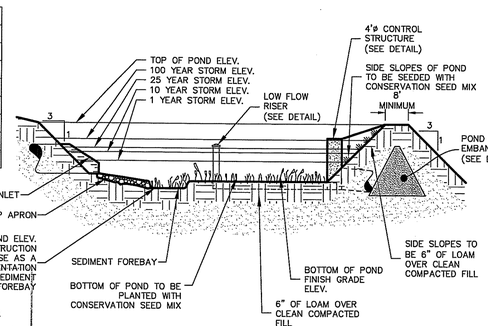
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 709 OF THE R.I. STANDARD SPECIFICATIONS.
2. 3/4" CHAMFER ON ALL EXPOSED EDGES.
3. 1'–0" COMPACTED GRAVEL UNDER HEADWALL.
4. ALL REINFORCING BARS SHALL BE EPOXY COATED.



Concrete Headwalls For Pipe Culverts

NOT TO SCALE

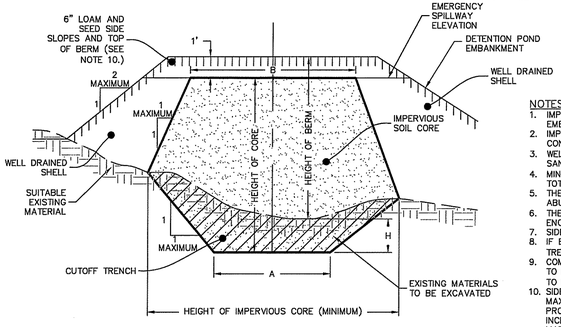
DESCRIPTION	POND B
TOP OF POND ELEVATION	483.00
BOTTOM OF POND	479.50
100 YEAR STORM ELEVATION	482.05
25 YEAR STORM ELEVATION	480.88
10 YEAR STORM ELEVATION	480.16
1 YEAR STORM ELEVATION	479.50
SEASONAL HIGH GWT ELEVATION	477.50
SOIL EVALUATION TH–P5	30"



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

Detention Pond B - Typical Cross Section

NOT TO SCALE



BERM HEIGHT (FT)	TOP WIDTH OF CORE – B (FT)
0–6.5	8.2
6.6–9.8	9.2
9.9–13.1	9.8
13.2–16.4	10.8
16.5–19.7	11.5

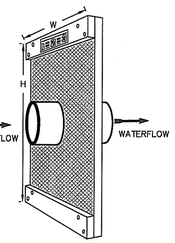
NOTES:
1. IMPERVIOUS SOIL CORE TO BE PROVIDED FOR ALL DETENTION POND EMBANKMENTS.
2. IMPERVIOUS SOIL CORE TO BE CONSTRUCTED OF MATERIAL CONSISTING OF SILT OR <200 SOIL.
3. WELL DRAINED SHELL TO BE CONSTRUCTED OF GRAVEL AND/OR SAND WITH LESS THAN 5% PASSING THE #200 SIEVE.
4. MINIMUM DEPTH OF CUTOFF TRENCH (H) SHALL BE 3/4 OF THE TOTAL BERM HEIGHT.
5. THE IMPERVIOUS CORE AT A MINIMUM SHALL EXTEND UP BOTH ABUTMENTS TO THE EMERGENCY SPILLWAY ELEVATION.
6. THE MINIMUM BOTTOM WIDTH (A) SHALL BE 5'–8', AND WIDE ENOUGH TO PERMIT OPERATION OF COMPACTION EQUIPMENT.
7. SIDE SLOPES OF THE TRENCH SHALL BE NO STEEPER THAN 1:1.
8. IF BEDROCK IS ENCOUNTERED BELOW THE DAM THE CUT OFF TRENCH CAN BE REDUCED TO 1'x1' (Ax#)
9. COMPACTION REQUIREMENTS FOR THE SHELL AND IMPERVIOUS CORE TO BE 95% OF THE MODIFIED PROCTOR PER ASTM D1557. ALL FILL TO BE PLACED IN LIFTS NOT EXCEEDING 12".
10. SIDE SLOPE OF DETENTION POND EMBANKMENT TO BE 2:1 MAXIMUM. IF SIDE SLOPES ARE STEEPER THAN 3:1, SLOPE PROTECTION MUST BE UTILIZED ON POND EMBANKMENT. THIS INCLUDES, BUT NOT LIMITED TO, RIPRAP AND EROSION CONTROL MATS.
11. THE IMPERVIOUS CORE SHALL BE KEPT FREE FROM STANDING WATER DURING THE BACKFILL OPERATION.
12. ALL EMBANKMENTS TO BE DESIGNED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. ALL EMBANKMENT INSTALLATIONS TO BE SUPERVISED BY A GEOTECHNICAL ENGINEER.

Pond Earthen Embankment

NOT TO SCALE

LOCATION	WIDTH	HEIGHT	QUANTITY
DETENTION BASIN B	4.0	4.0	2

INSTALLATION NOTES:
1. UNROLL THE ANTI–SEEP AND ATTACH THE BOARDS TO THE EDGES TO FORM A SQUARE. (USE THE BOARDS AND NAILS PROVIDED.)(4'X4' AND LARGER)
2. CUT A ROUND HOLE IN THE CENTER OF THE RUBBER THAT IS SMALLER THAN THE PIPE SIZE (APPROX. 25% 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 WATERPROOF SEAL BETWEEN THE PIPE AND THE ANTI–SEEP.
3. SLIP THE PIPE THROUGH THE ANTI–SEEP. INSPECT THE SEAL BETWEEN THE PIPE AND THE ANTI–SEEP, CAREFULLY BACKFILL AND COMPACT WITH SUITABLE SOIL.

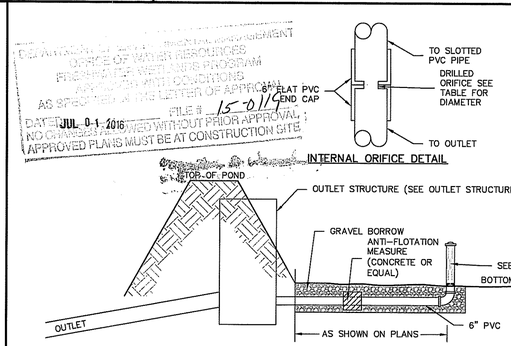


NOTE:
AGRI DRAIN CORP. OR EQUAL

Anti-Seep Collar

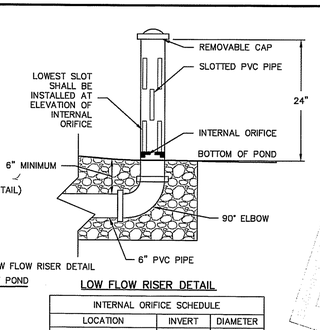
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS STATED IN LETTER OF APPROVAL
FILE # 15-0114
DATE JUL 0 1 2016
NO CHANGES ARE APPROVED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



Low Flow (CPv) Outlet

NOT TO SCALE



LOW FLOW RISER DETAIL

INTERNAL ORIFICE SCHEDULE		
LOCATION	INVERT	DIAMETER
DETENTION BASIN B	478.50	3.00"
INFILTRATION BASIN C	444.50	3.00"

JUN 9 2016

No.	Date	Description	By:
10	3-23-2016	Preliminary Resubmission	JAR
9	4-08-2016	RIDEM Site Suitability Revisions	JAR
8	3-03-2015	Preliminary Submission	DAR
7	11-08-2016	Preliminary Submission	JAR
6	10-27-2015	RIDEM Comments	DAR
5	10-22-2015	RIDEM Comments	JAR
4	9-22-2015	Water Department Revisions	ASC
3	8-27-2015	Water Department Revisions	ASC
2	8-27-2015	RIDOT Resubmission	ASC
1	08-05-2015	RIDOT Resubmission	ASC
0	6-22-2015	RIDEM Wetlands Submission	ASC

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 10051
3-23-16
REGISTERED PROFESSIONAL ENGINEER
CIVIL

Detail Sheet - 2

Steere Farm Village

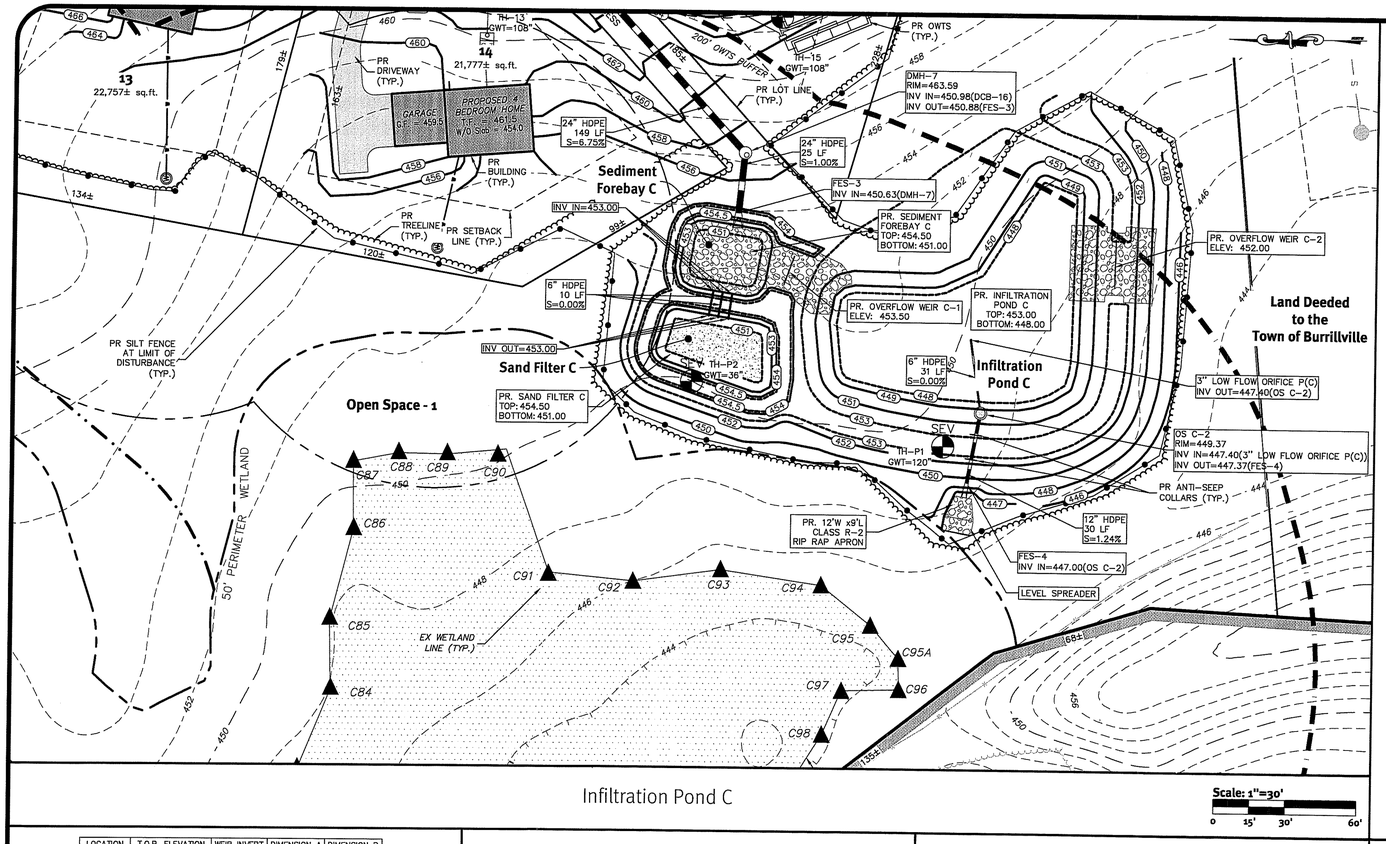
Ap 24J Lot 11 & Ap 23D Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005 ©copyright 2016 by DiPrete Engineering Associates, Inc.

SHEET 12 OF 15

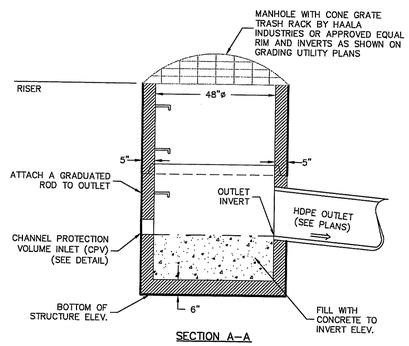
z:\dems\projects\0095-005 steere farm road\autocad drawings\0095-005-dets=.dwg Plotted: 3/22/2016



Infiltration Pond C

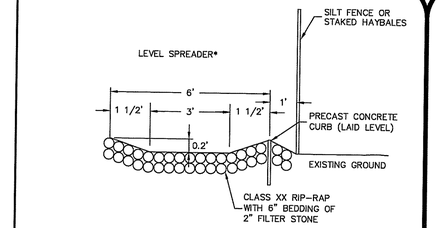
Scale: 1"=30'

0 15' 30' 60'



4' Diameter Outlet Structure - OS C-1

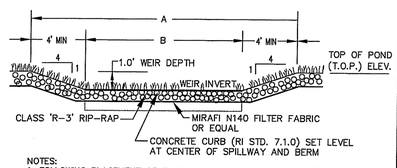
NOT TO SCALE



Level Spreader

NOT TO SCALE

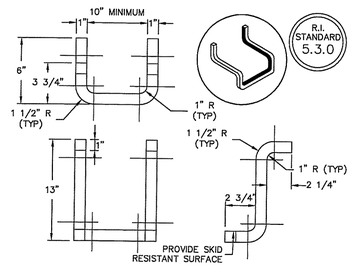
LOCATION	T.O.P. ELEVATION	WEIR INVERT	DIMENSION A	DIMENSION B
OVERFLOW WEIR B-1	484.00	483.00	21.00	13.00
OVERFLOW WEIR B-2	483.00	482.00	28.00	20.00
OVERFLOW WEIR C-1	451.50	450.50	21.00	13.00
OVERFLOW WEIR C-2	450.00	449.00	28.00	20.00



NOTES:
1. FOLLOWING PLACEMENT OF FILTER FABRIC AND RIP RAP, VOIDS SHALL BE FILLED WITH LOAM AND SEEDED ALONG WITH DETENTION BASIN.
2. CONTRACTOR TO VERIFY ELEVATIONS ALONG TOP OF CURB AFTER SPILLWAY AREA IS COMPACTED TO 95% PROCTOR.

Overflow Weir Detail

NOT TO SCALE

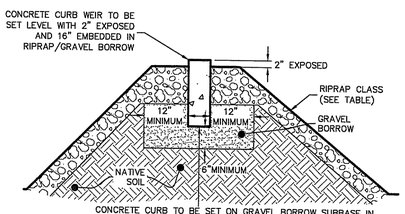


NOTES:
1. STEPS SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
2. CROSS SECTION AREA MAY BE REDUCED UPON SUBMISSION OF CERTIFIED LOAD TESTS. STEPS MUST SUPPORT 300 LBS.
3. STOCK SHOWN IS 1" SQUARE WHICH MAY BE REPLACED BY 1" ø.

Catch Basin And Manhole Step

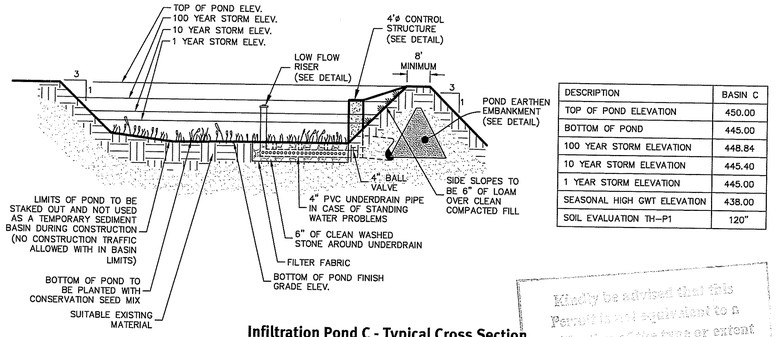
NOT TO SCALE

LOCATION	TOP OF POND ELEV.	WEIR INVERT	WEIR DEPTH	RIPRAP CLASS
WEIR B-2	483.00	482.00	1.00'	R-3
WEIR C-2	450.00	449.00	1.00'	R-3



Curb Outlet Weir Cross Section

NOT TO SCALE

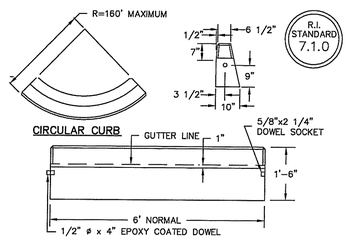


DESCRIPTION	BASIN C
TOP OF POND ELEVATION	450.00
BOTTOM OF POND	445.00
100 YEAR STORM ELEVATION	448.84
10 YEAR STORM ELEVATION	445.40
1 YEAR STORM ELEVATION	445.00
SEASONAL HIGH GWT ELEVATION	438.00
SOIL EVALUATION TH-P1	120"

Infiltration Pond C - Typical Cross Section

NOT TO SCALE

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

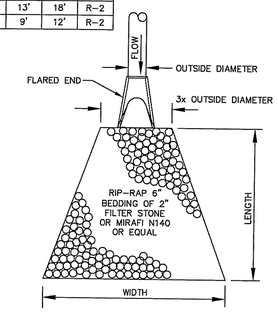


NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0".
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
5. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

Precast Concrete Curb

NOT TO SCALE

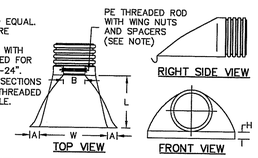
LOCATION	LENGTH	WIDTH	CLASS
FES-2-P(B)	13'	18'	R-2
FES-4-P(C)	9'	12'	R-2



Rip-Rap Apron Detail

NOT TO SCALE

NOTE:
1. ADS OR APPROVED EQUAL.
2. ALL DIMENSIONS ARE NOMINAL.
3. PE THREADED ROD WITH WING NUTS PROVIDED FOR END SECTIONS 12"-24".
4. 30" AND 36" END SECTIONS REQUIRE TWO (2) THREADED RODS FOR ASSEMBLE.

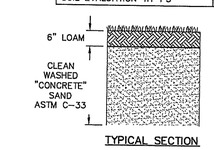


PART #	PIPE SIZE	A	B (MAX)	H	L	W
1210NP	12 IN (300 MM)	6.50 IN (165 MM)	10 IN (254 MM)	6.50 IN (165 MM)	25 IN (635 MM)	29 IN (737 MM)
1510NP	15 IN (375 MM)	6.50 IN (165 MM)	10 IN (254 MM)	6.50 IN (165 MM)	25 IN (635 MM)	29 IN (737 MM)
1810 NP	18 IN (450 MM)	7.50 IN (191 MM)	15 IN (381 MM)	6.50 IN (165 MM)	32 IN (813 MM)	35 IN (889 MM)
2410NP	24 IN (600 MM)	7.50 IN (191 MM)	18 IN (457 MM)	6.50 IN (165 MM)	36 IN (914 MM)	45 IN (1143 MM)
3015NP	30 IN (750 MM)	7.50 IN (191 MM)	12 IN (305 MM)	8.60 IN (218 MM)	58 IN (1473 MM)	63 IN (1600MM)
3615NP	36 IN (900 MM)	7.50 IN (191 MM)	25 IN (635 MM)	8.60 IN (218 MM)	58 IN (1473 MM)	63 IN (1600 MM)

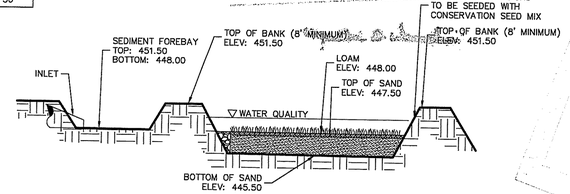
HDPE Flared End Section

NOT TO SCALE

DESCRIPTION	SF-C
AVAILABLE STORAGE ELEVATION	451.50
100 YEAR STORM ELEVATION	483.58
10 YEAR STORM ELEVATION	483.10
1 YEAR STORM ELEVATION	480.56
OUTLET ELEVATION	–
TOP OF BANK	451.50
SAND & LOAM DEPTH	2.5'
SEASONAL HIGH GWT ELEVATION	445.00
SOIL EVALUATION TH-P5	36"



TYPICAL SECTION



Sand Filter C (Infiltration)

NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 01 2016 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

RECEIVED JUN 9 2016

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPreteEng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 15051
REGISTERED PROFESSIONAL ENGINEER CIVIL
3-21-16

No.	Date	Description	Drawn By:
0	06-02-2015	DEM Wetlands Submission	JAR
1	8-22-2015	RIDOT Resubmission	JAR
2	9-22-2015	RIDOT Resubmission	JAR
3	10-9-2015	RIDOT Resubmission	JAR
4	11-16-2015	RIDOT Resubmission	JAR
5	12-9-2015	RIDOT Comments	JAR
6	1-27-2016	RIDOT Resubmission Revisions	JAR
7	3-28-2016	Preliminary Resubmission	JAR
8	4-25-2016	RIDEM Site Suitability Revisions	DAR
9	5-16-2016	RIDEM Site Suitability Comments	JAR
10	6-9-2016	DEM Wetlands Submission	JAR

Detail Sheet - 3

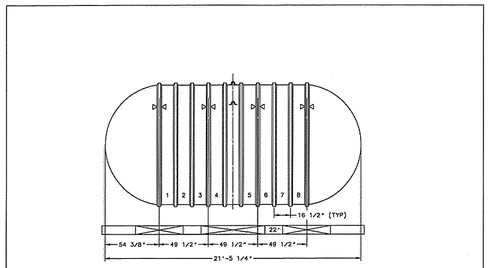
Steere Farm Village

Ap 24/ Lot 11 & Ap 23/ Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 13 OF 15

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

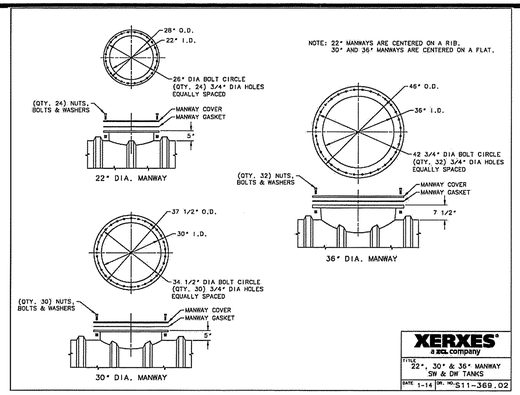


Optional prefabricated engineered concrete deadmen shown

XERXES a zcl. company

TITLE 10' DIA. SINGLE-WALL CAP. 10,000 GALLONS

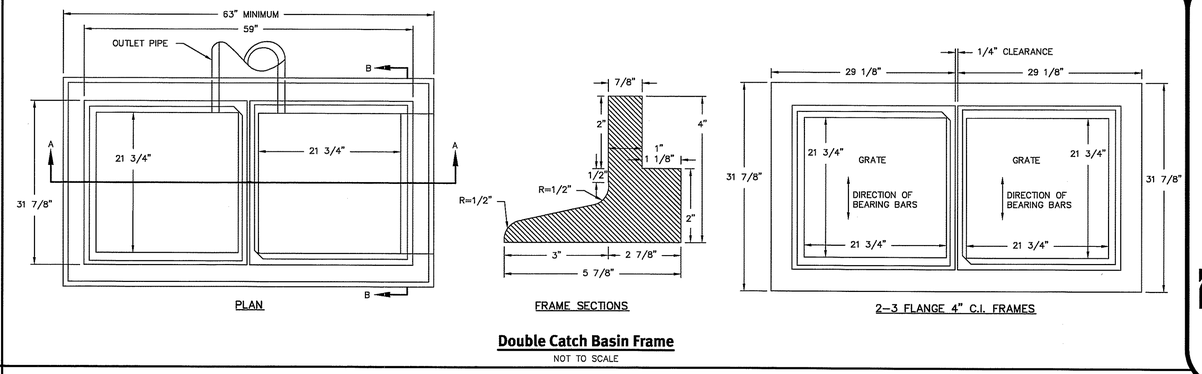
DATE 1-12 DR. NO. S10-883.05



XERXES a zcl. company

TITLE 22", 30" & 36" MANWAY SW & DW TANKS

DATE 1-14 DR. NO. S11-369.02

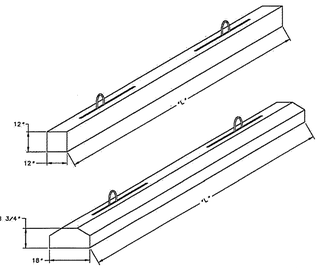


Double Catch Basin Frame

NOT TO SCALE

XERXES DEADMAN

TANK SIZE GALLONS	QTY	"L"	APPROX. WEIGHT EACH
4'-600	2	12'	1,800 LBS
4'-1,000	2	12'	1,800 LBS
4'-1,500	2	16'	2,400 LBS
6'-1,500	2	12'	1,800 LBS
6'-2,000	2	12'	1,800 LBS
6'-3,000	2	16'	2,400 LBS
6'-4,000	2	18'	2,700 LBS
6'-5,000	4	12'	1,800 LBS
6'-6,000	4	16'	2,400 LBS
6'-8,000	4	18'	2,700 LBS
8'-2,000	2	12'	1,800 LBS
8'-3,000	2	12'	1,800 LBS
8'-4,000	2	12'	1,800 LBS
8'-5,000	2	16'	2,400 LBS
8'-6,000	2	18'	2,700 LBS
8'-7,000	4	12'	1,800 LBS
8'-8,000	4	12'	1,800 LBS
8'-9,000	2	12'	1,800 LBS
	2	16'	2,400 LBS
8'-10,000	4	16'	2,400 LBS
8'-11,000	4	16'	2,700 LBS
8'-12,000	4	18'	2,700 LBS
9'-13,000	4	12'	1,800 LBS
	2	16'	2,400 LBS
8'-14,000	2	12'	1,800 LBS
	4	16'	2,400 LBS
8'-15,000	6	16'	2,400 LBS
10'-10,000	2	22'	3,000 LBS
10'-11,000	2	22'	3,000 LBS
10'-12,000	2	22'	3,000 LBS
10'-13,000	4	14'	1,900 LBS
10'-14,000	4	14'	1,900 LBS
10'-15,000	4	14'	1,900 LBS
10'-20,000	4	18'	2,400 LBS
10'-22,000	4	22'	3,000 LBS
	4	14'	1,900 LBS
10'-25,000	2	18'	2,400 LBS
10'-30,000	6	18'	2,400 LBS
10'-35,000	2	18'	2,400 LBS
	4	22'	3,000 LBS
10'-40,000	8	18'	2,400 LBS



XERXES PRECAST DEADMEN

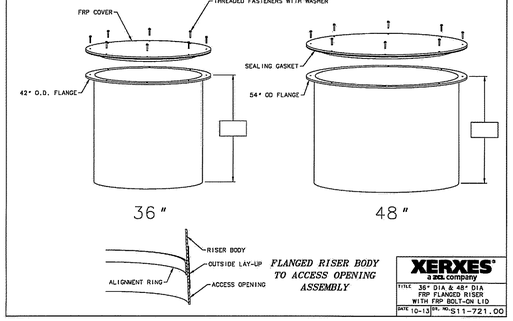
- XERXES DEADMEN ARE ENGINEERED AND DESIGNED TO BE USED WITH XERXES TANKS.
- IN MULTIPLE TANK INSTALLATIONS, EACH TANK REQUIRES ITS OWN SET OF DEADMEN.
- FOR CAST IN PLACE OR DEADMAN CONSTRUCTED OFF SITE, REFER TO XERXES INSTALLATION MANUAL AND OPERATING GUIDELINES FOR PROPER SIZING AND ANCHOR POINT SPECIFICATIONS.

XERXES a zcl. company

TITLE XERXES PRECAST DEADMEN

DATE 1-14 DR. NO. S11-376.02

- FRP access risers are available in 1" increments starting at 2" high.
- FRP access risers mate to corresponding FRP access opening.



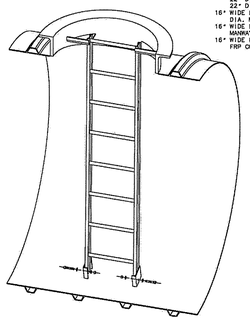
FLANGED RISER BODY TO ACCESS OPENING ASSEMBLY

XERXES a zcl. company

TITLE 36" DIA & 48" DIA FRP FLANGED RISER WITH FRP BOLT-ON LID

DATE 10-13 DR. NO. S11-721.00

NOTE:
12" WIDE LADDERS ONLY CAN BE USED IN A TANK WITH A 22" DIA MANWAY. NO LADDERS FACTORY INSTALLED IN 22" DIA MANWAY EXTENSIONS.
16" WIDE LADDERS ARE FIXED TO THE TANK IN 30" & 36" DIA. MANWAYS.
16" WIDE LADDERS ARE FIXED INSIDE OF 30" & 36" DIA. MANWAY EXTENSIONS.
16" WIDE LADDERS MAY ALSO BE FIXED TO INSIDE WALL OF FRP CONTAINMENT SUMPS AND RISERS 30" DIA. OR LARGER.



XERXES a zcl. company

TITLE LADDERS FIBERGLASS, STEEL OR ALUMINUM

DATE 1-14 DR. NO. S11-579.02

Kindly be advised that this Permit is not conclusive 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 LETTER OF APPROVAL
DATED JUL 0 1 2016 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 7051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By:
10	3-23-2016	Preliminary Resubmission	JAR
9	3-23-2016	RIDEM Peer Review	JAR
8	3-02-2016	RIDEM Site Suitability Revisions	DAM
7	11-09-2015	Preliminary Resubmission	DAM
6	11-09-2015	RIDEM Site Suitability Comments	DAM
5	10-27-2015	RIDEM Comments	DAM
4	9-29-2015	Water Improvement Revisions	MSC
3	9-22-2015	RIDOT Resubmission	MSC
2	8-27-2015	RIDOT Resubmission	MSC
1	8-20-2015	RIDOT Wetlands Submission	MSC
0	05-01-2015	RIDEM Wetlands Submission	JAR

Drawn By: JAR

Detail Sheet - 4

Steere Farm Village

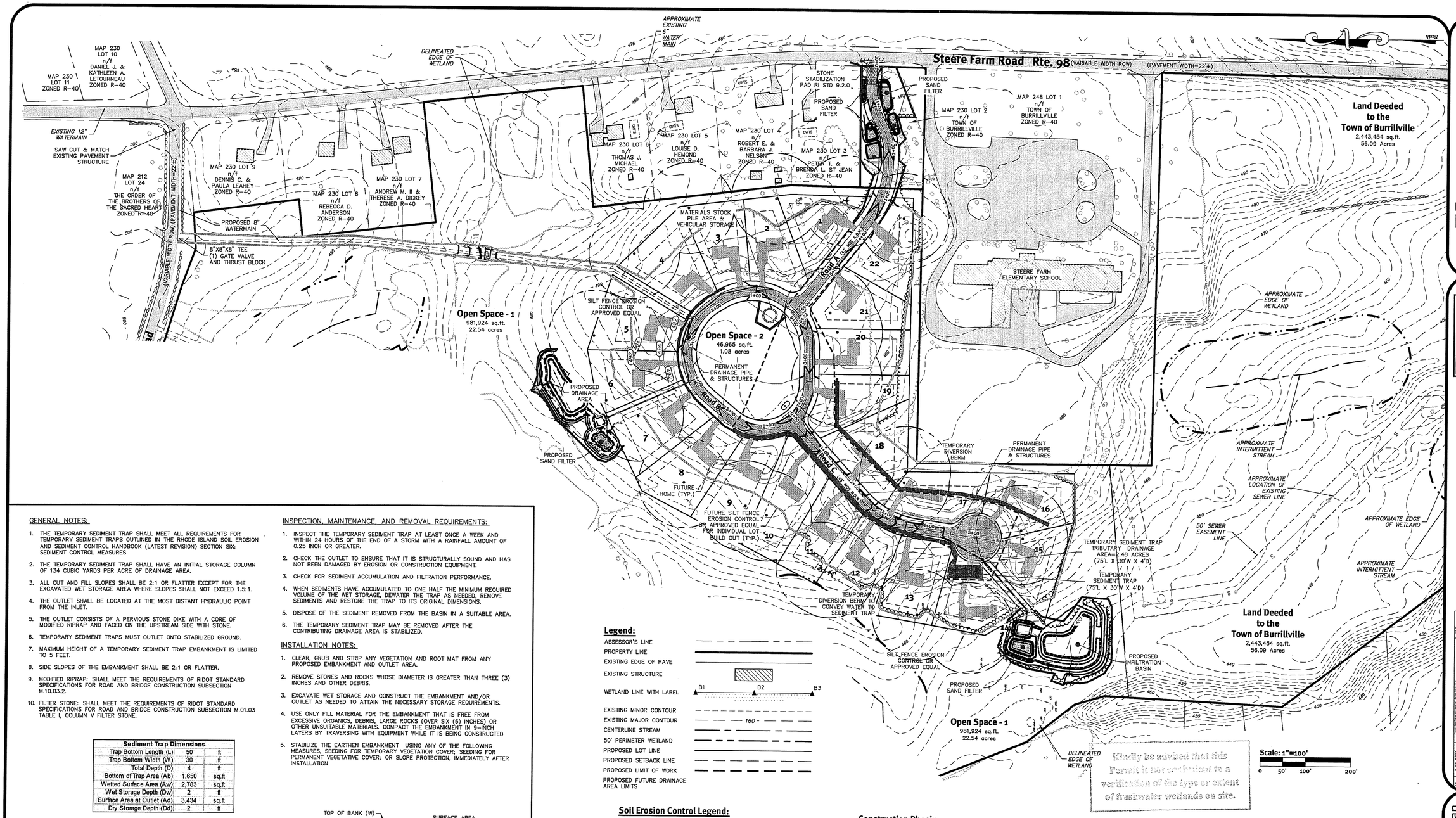
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

SHEET 14 OF 15

z:\dem\in\projects\0095-005 steere farm road\autocad drawing\0095-005-dsn.dwg Plotted: 3/22/2016



GENERAL NOTES:

1. THE TEMPORARY SEDIMENT TRAP SHALL MEET ALL REQUIREMENTS FOR TEMPORARY SEDIMENT TRAPS OUTLINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST REVISION) SECTION SIX: SEDIMENT CONTROL MEASURES
2. THE TEMPORARY SEDIMENT TRAP SHALL HAVE AN INITIAL STORAGE COLUMN OF 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER EXCEPT FOR THE EXCAVATED WET STORAGE AREA WHERE SLOPES SHALL NOT EXCEED 1.5:1.
4. THE OUTLET SHALL BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET.
5. THE OUTLET CONSISTS OF A PERVIOUS STONE DIKE WITH A CORE OF MODIFIED RIPRAP AND FACED ON THE UPSTREAM SIDE WITH STONE.
6. TEMPORARY SEDIMENT TRAPS MUST OUTLET ONTO STABILIZED GROUND.
7. MAXIMUM HEIGHT OF A TEMPORARY SEDIMENT TRAP EMBANKMENT IS LIMITED TO 5 FEET.
8. SIDE SLOPES OF THE EMBANKMENT SHALL BE 2:1 OR FLATTER.
9. MODIFIED RIPRAP: SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.10.03.2.
10. FILTER STONE: SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.01.03 TABLE I, COLUMN V FILTER STONE.

INSPECTION, MAINTENANCE, AND REMOVAL REQUIREMENTS:

1. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCH OR GREATER.
2. CHECK THE OUTLET TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT.
3. CHECK FOR SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE.
4. WHEN SEDIMENTS HAVE ACCUMULATED TO ONE HALF THE MINIMUM REQUIRED VOLUME OF THE WET STORAGE, DEWATER THE TRAP AS NEEDED, REMOVE SEDIMENTS AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS.
5. DISPOSE OF THE SEDIMENT REMOVED FROM THE BASIN IN A SUITABLE AREA.
6. THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.

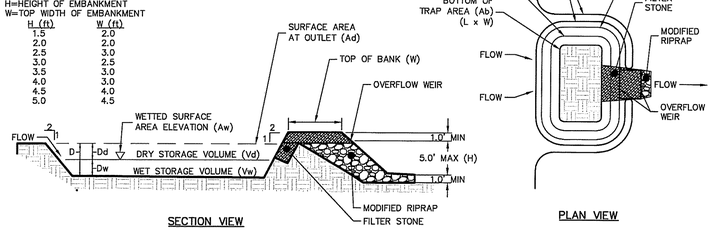
INSTALLATION NOTES:

1. CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA.
2. REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN THREE (3) INCHES AND OTHER DEBRIS.
3. EXCAVATE WET STORAGE AND CONSTRUCT THE EMBANKMENT AND/OR OUTLET AS NEEDED TO ATTAIN THE NECESSARY STORAGE REQUIREMENTS.
4. USE ONLY FILL MATERIAL FOR THE EMBANKMENT THAT IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, LARGE ROCKS (OVER SIX (6) INCHES) OR OTHER UNSUITABLE MATERIALS. COMPACT THE EMBANKMENT IN 9-INCH LAYERS BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED
5. STABILIZE THE EARTHEN EMBANKMENT USING ANY OF THE FOLLOWING MEASURES, SEEDING FOR TEMPORARY VEGETATION COVER; SEEDING FOR PERMANENT VEGETATIVE COVER; OR SLOPE PROTECTION, IMMEDIATELY AFTER INSTALLATION

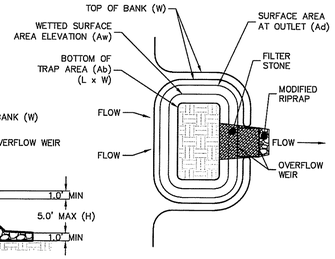
Sediment Trap Dimensions		
Trap Bottom Length (L)	50	ft
Trap Bottom Width (W)	30	ft
Total Depth (D)	4	ft
Bottom of Trap Area (Ab)	1,650	sq.ft
Wetted Surface Area (Aw)	2,783	sq.ft
Wet Storage Depth (Dw)	2	ft
Surface Area at Outlet (Ad)	3,434	sq.ft
Dry Storage Depth (Dd)	2	ft

TOP WIDTH VS HEIGHT
H=HEIGHT OF EMBANKMENT
W=TOP WIDTH OF EMBANKMENT

H (ft)	W (ft)
1.5	2.0
2.0	2.0
2.5	3.0
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5



SECTION VIEW



PLAN VIEW

Temporary Sediment Trap Detail

NOT TO SCALE

Legend:

ASSESSOR'S LINE
PROPERTY LINE
EXISTING EDGE OF PAVE
EXISTING STRUCTURE
WETLAND LINE WITH LABEL (B1, B2, B3)
EXISTING MINOR CONTOUR
EXISTING MAJOR CONTOUR (160)
CENTERLINE STREAM
50' PERIMETER WETLAND
PROPOSED LOT LINE
PROPOSED SETBACK LINE
PROPOSED LIMIT OF WORK
PROPOSED FUTURE DRAINAGE AREA LIMITS

Soil Erosion Control Legend:

DIVERSION RUNOFF CONVEYANCE MEASURE
TRIBUTARY DRAINAGE AREA
ROADWAY & DRAINAGE NETWORK CONSTRUCTION AREA
TEMPORARY SEDIMENT TRAP
SILT FENCE OR APPROVED EQUAL EROSION CONTROL MEASURE
FUTURE LIMIT OF WORK & EROSION CONTROL FOR INDIVIDUAL LOT BUILD OUT
FUTURE HOME

Construction Phasing

Phase IA– INSTALL EROSION CONTROL SILT FENCE & STONE CONSTRUCTION ENTRANCE.

Phase IB – INSTALL TEMPORARY SEDIMENTATION TRAP.

Phase IC– CONSTRUCT PROPOSED DIVERSIONS

Phase IIA– CLEAR AND GRUB ROADWAY AREAS. CONSTRUCT PROPOSED ROADWAY & INSTALL UTILITIES WITH ROADWAYS. INSTALL DRAINAGE NETWORK WORKING FROM THE DOWN GRADIENT BASINS UP TO THE START OF NETWORK.

Phase IIB– STABILIZE ALL DISTURBED AREAS, DE-CONSTRUCT DIVERSIONS AND TEMPORARY SEDIMENTATION TRAPS.

Phase III– CONSTRUCT INDIVIDUAL LOTS. INSTALL EROSION & SEDIMENT CONTROLS AT ALL DOWN GRADIENT LIMITS OF WORK.

AS PER RIDEM PROGRAM FILE # 15-0119
APPROVED JUL 01 2016
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

GENERAL NOTES:

1. ALL EROSION CONTROL, DIVERSIONS, TEMPORARY SEDIMENTATION TRAP, ETC. SHALL BE INSTALLED PER THE RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL LATEST EDITION.
2. SILTFENCE OR AN APPROVED EROSION EROSION CONTROL AND DIVERSIONS SHALL BE USED TO CONTROL RUNOFF DURING CONSTRUCTION OF THE PROPOSED ROADWAY. AFTER INITIAL ROADWAY GRADING IS COMPLETE AND THE PERMANENT DRAINAGE INFRASTRUCTURE HAS BEEN CONSTRUCTED THE DRAINAGE NETWORK SHALL BE BROUGHT ONLINE AND THE DIVERSIONS SHALL BE DECONSTRUCTED.
3. VEHICLE MAINTENANCE AND WASHING SHALL OCCUR OFF-SITE.
4. ONCE THE SEDIMENTATION TRAP IS NO LONGER REQUIRED AND ALL TRIBUTARY AREAS HAVE BEEN STABILIZED, THE AREA SHALL BE BROUGHT TO FINAL DESIGN GRADES.
5. INLET PROTECTION SHALL BE INSTALLED ON ALL CATCH BASINS ONCE CONSTRUCTED.
6. CONCRETE WASHOUT AREAS TO BE LOCATED AT EACH INDIVIDUAL LOT.
7. SEE SECTION 1.2 OF THE SESC FOR SEQUENCE OF CONSTRUCTION ACTIVITY.
8. SEE SECTION 2.2 OF THE SESC FOR PROJECT PHASING.
9. CONTRACTOR MAY MODIFY SEQUENCE OF CONSTRUCTION WITH APPROVAL FROM DESIGN ENGINEER.
10. INFILTRATION BASINS & SAND FILTER AREAS SHALL BE STAKED OFF, DEMARCATED AND PROTECTED FROM CONSTRUCTION TRAFFIC DURING ALL CONSTRUCTION PHASES.

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 7051
5-31-16
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By:
10	3-22-2016	Preliminary Resubmission	AR
9	3-18-2016	RIDEM Resubmission	AR
8	3-08-2016	RIDEM Wetlands Revisions	DAK
7	1-28-2016	Preliminary Submission	AR
6	11-05-2015	RIDEM Site Suitability Comments	EH
5	10-23-2015	RIDEM Resubmission	AR
4	9-22-2015	Water Department Revisions	AR
3	9-17-2015	RIDOT Resubmission	MSC
2	8-27-2015	RIDEM Wetlands Resubmission	MSC
1	8-12-2015	RIDEM Wetlands Submission	MSC
0	06-02-2015	Preliminary Submission	AR

Drawn By: JAR

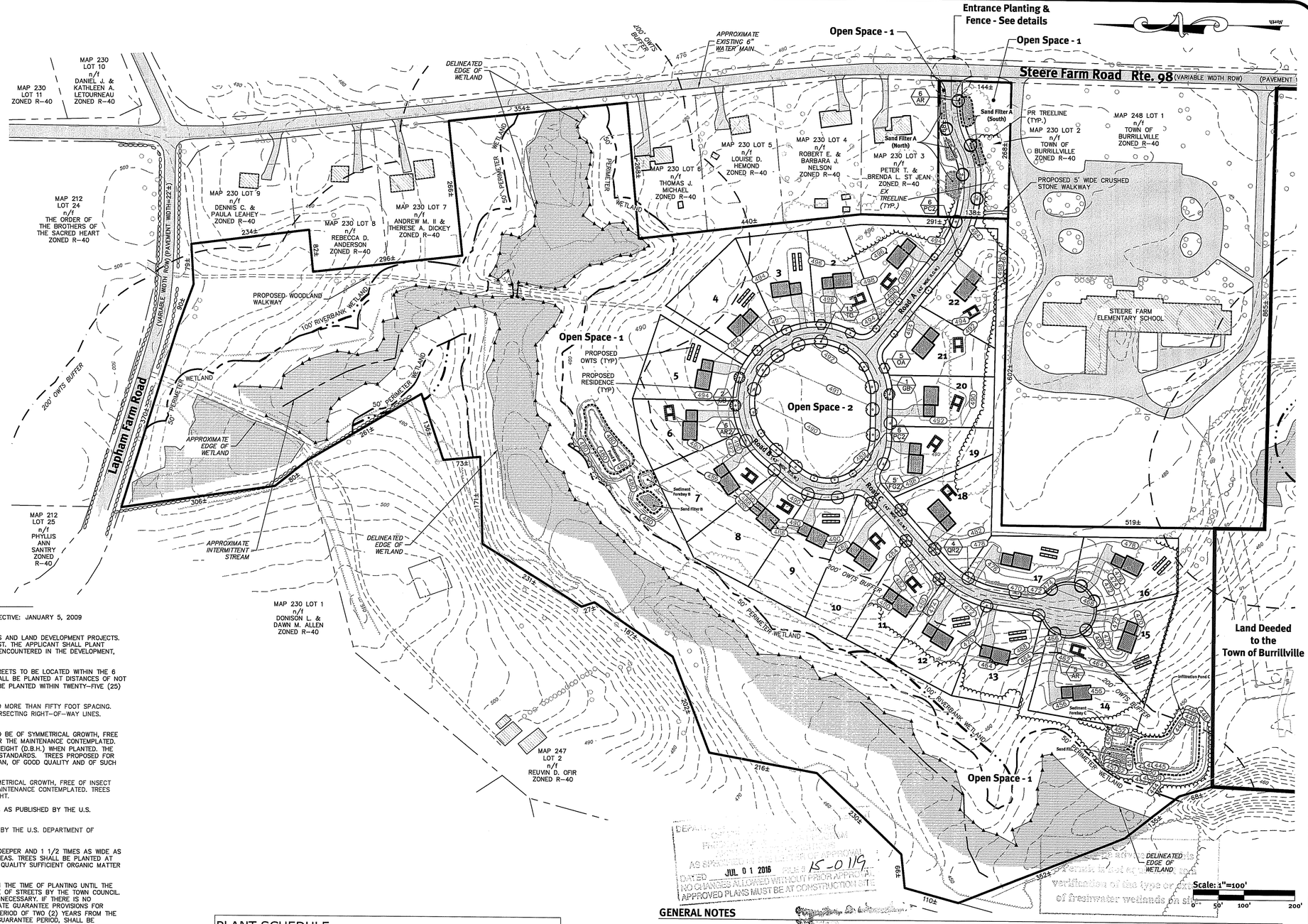
Soil Erosion & Sediment Control Plan
Steere Farm Village
Ap 246 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client:
Steere Farm Village, LLC
P.O. Box 865
Chepachet, RI 02814

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

SHEET 15 OF 15

z:\demain\projects\0095-005 steere farm road\autocad drawings\0095-005-desn.dwg Plotted: 3/22/2016



DESIGN GUIDELINES:

TOWN OF BURRILLVILLE, RI SUBDIVISION & LAND DEVELOPMENT REGULATIONS EFFECTIVE: JANUARY 5, 2009

10-9.2 STREET STANDARDS
L. STREET TREES. APPROVED STREET TREES ARE REQUIRED IN ALL SUBDIVISIONS AND LAND DEVELOPMENT PROJECTS. ALL PLANTING SHALL BE DONE UNDER THE SUPERVISION OF A LICENSED ARBORIST. THE APPLICANT SHALL PLANT STREET TREES APPROPRIATE FOR THE TERRAIN, SOIL AND CLIMATIC CONDITIONS ENCOUNTERED IN THE DEVELOPMENT, AND IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

1. LOCATION –STREET TREES SHALL BE PLANTED ALONG BOTH SIDES OF ALL STREETS TO BE LOCATED WITHIN THE 6 FOOT WIDE LANDSCAPED AREA IN BETWEEN THE CURB AND SIDEWALK. TREES SHALL BE PLANTED AT DISTANCES OF NOT MORE THAN FIFTY- (50) FEET APART, AT STREET CORNERS, TREES SHALL NOT BE PLANTED WITHIN TWENTY-FIVE (25) FEET OF THE INTERSECTING RIGHT-OF-WAY LINES.

STREET TREES SHALL BE PLANTED ALONG BOTH SIDES OF ALL STREETS AT NO MORE THAN FIFTY FOOT SPACING. TREES HAVE NOT BEEN PLANTED WITHIN TWENTY-FIVE (25) FEET OF THE INTERSECTING RIGHT-OF-WAY LINES.

2. MATERIALS –TREES SHALL BE GROWN UNDER LOCAL CLIMATIC CONDITIONS AND BE OF SYMMETRICAL GROWTH, FREE OF INSECT PESTS AND DISEASE, SUITABLE FOR STREET USE AND DURABLE UNDER THE MAINTENANCE CONTEMPLATED. TREES SHOULD HAVE A MINIMUM CAUPER SIZE OF 3 INCHES DIAMETER BREAST HEIGHT (D.B.H.) WHEN PLANTED. THE LOWEST BRANCH SHALL BE AT LEAST 80'ABOVE FINISHED GRADE TO MEET ADA STANDARDS. TREES PROPOSED FOR PLANTING SHALL BE APPROVED BY THE PLANNING BOARD. LOAM SHALL BE CLEAN, OF GOOD QUALITY AND OF SUCH FERTILITY AND COMPOSITION THAT IT WILL SUPPORT PLANT GROWTH.

TREES SHALL BE GROWN UNDER LOCAL CLIMATIC CONDITIONS AND BE OF SYMMETRICAL GROWTH, FREE OF INSECT PESTS AND DISEASE, SUITABLE FOR STREET USE AND DURABLE UNDER THE MAINTENANCE CONTEMPLATED. TREES PROPOSD HAVE A MINIMUM CAUPER SIZE OF 3 INCHES DIAMETER BREAST HEIGHT.

3. TYPE – THE SPECIES SELECTED ARE TO BE SUITABLE FOR ZONE 5 HARDINESS AS PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE.

THE SPECIES SELECTED ARE SUITABLE FOR ZONE 5 HARDINESS AS PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE.

4. PLANTING –STREET TREES SHALL BE PLANTED IN HOLES AT LEAST 6 INCHES DEEPER AND 1 1/2 TIMES AS WIDE AS THE ROOT BALL. LARGER EXCAVATION MAY BE REQUIRED IN GRAVEL OR SAND AREAS. TREES SHALL BE PLANTED AT THEIR PREVIOUS DEPTH IN GOOD QUALITY TOPSOIL OR SOIL CONDITIONED TO THE QUALITY SUFFICIENT ORGANIC MATTER SUCH AS PEAT MOSS AND A BALANCED FERTILIZER.

5. MAINTENANCE –STREET TREES SHALL BE MAINTAINED BY THE APPLICANT FROM THE TIME OF PLANTING UNTIL THE TIME OF THE RELEASE OF THE MAINTENANCE GUARANTEE FOLLOWING ACCEPTANCE OF STREETS BY THE TOWN COUNCIL. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, WATERING OF TREES, AS NECESSARY. IF THERE IS NO MAINTENANCE GUARANTEE REQUIRED, THE PLANNING BOARD MAY REQUIRE SEPARATE GUARANTEE PROVISIONS FOR MAINTENANCE OF REQUIRED STREET TREES BY THE APPLICANT FOR A MAXIMUM PERIOD OF TWO (2) YEARS FROM THE DATE OF PLANTING. ANY TREES, WHICH ARE NOT HEALTHY AT THE END OF THE GUARANTEE PERIOD, SHALL BE REPLACED AT THE APPLICANTS EXPENSE AND GUARANTEED UNTIL SATISFACTORILY ESTABLISHED.

10-9.7 LANDSCAPING STANDARDS
A. INTENT. A LANDSCAPE PLAN (CERTIFIED BY A REGISTERED LANDSCAPE ARCHITECT) SHALL BE PROVIDED AS PART OF SITE PLAN AND SUBDIVISION DESIGN. IT SHALL BE CONCEIVED IN A TOTAL PATTERN THROUGHOUT THE SITE, INTEGRATING THE VARIOUS ELEMENTS OF SITE DESIGN, PRESERVING AND ENHANCING THE PARTICULAR IDENTITY OF THE SITE AND CREATING A PLEASING SITE CHARACTER. DEVELOPERS ARE REQUIRED TO DEMONSTRATE LOW IMPACT DEVELOPMENT PRACTICES.

B. GENERAL REQUIREMENTS. CLUSTER APPLICATIONS ARE REQUIRED TO DESIGN AND UTILIZE LANDSCAPING TECHNIQUES THAT COMPLIMENT LOW IMPACT DEVELOPMENT AND MINIMIZE DRAINAGE IMPACTS SUCH AS BUT NOT LIMITED TO: SWALES, PERMEABLE PAVERS AND INFILTRATIVE ISLANDS. LANDSCAPING SHALL ADDRESS PLANT MATERIALS SUCH AS TREES, SHRUBS, GROUND COVER, GRASS, FLOWERS, ETC., BUT MAY ALSO INCLUDE OTHER MATERIALS SUCH AS WETLANDS, STONE WALLS, PAVING MATERIALS, PLANTERS, SIGNAGE, AND STREET FURNITURE. AREAS THAT MAY BE REQUIRED TO PROVIDE LANDSCAPING SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:

1. DRAINAGE FACILITIES, SUCH AS RETENTION/DETENTION BASINS, OR DRAINAGE SWALES
2. ENTRANCE FEATURES
3. OPEN SPACE AREAS
4. PROPOSED RECREATION FACILITIES
5. BUFFER AREAS
6. LOT AREAS THAT ARE DISTURBED DURING THE CONSTRUCTION PROCESS OR WHERE EXTENSIVE GRADING REMOVES A SIGNIFICANT AMOUNT OF NATURAL VEGETATION
7. AREAS SUBJECT TO RE-GRADING OR STABILIZATION FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES
8. AREAS DISTURBED BY UTILITY INSTALLATION
9. CUL-DE-SAC ISLANDS

C .MAINTENANCE. PLANTINGS INSTALLED BY THE APPLICANT SHALL BE MAINTAINED UNTIL THE TIME OF THE RELEASE OF THE MAINTENANCE AGREEMENT AS REQUIRED BY THE PLANNING BOARD.

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL
AR	11	Acer rubrum `Franksred`	Red Sunset Swamp Maple	B & B	3-3.5"
AR2	6	Acer rubrum `October Glory` TM	October Glory Maple	B & B	3-3.5"
FG2	5	Fraxinus pennsylvanica	Green Ash	B & B	2/2.5"
GB	3	Ginkgo biloba	Maidenhair Tree	B & B	3-3.5"
OA	5	Oxydendrum arboreum	Sourwood Tree	B & B	3-3.5"
PS3	2	Prunus serrulata `Kwanzan`	Flowering Cherry	B & B	3/3.5"
PC2	12	Pyrus calleryana `Aristocrat` TM	Aristocrat Flowering Pear	B & B	3/3.5"
QR2	4	Quercus rubra	Red Oak	B & B	3-3.5"
TC	10	Tilia cordata	Littleleaf Linden	B & B	3/3.5"

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
PRELIMINARY PLAN APPROVAL
AS SPECIFIED IN RULES AND REGULATIONS
DATED JUL 0 1 2016 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

GENERAL NOTES

1. SITE INFORMATION TAKEN FROM PLANS PREPARED BY DIPRETE ENGINEERING.
2. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS BY NOTIFYING DIG-SAFE (811) AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION OR SITE PREPARATION AND ANY/OR ALL LOCAL UTILITY COMPANIES AS REQUIRED.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS BY THE CONTRACTOR. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR THIS PROJECT.
4. CONTRACTOR TO PROVIDE A ONE (1) YEAR GUARANTEE FOR ALL MATERIALS. CONTRACTOR GUARANTEES THAT PLANTS WILL REMAIN HEALTHY FOR ONE (1) GROWING SEASON. CONTRACTOR TO MAINTAIN ALL PLANTING AND LAWNS UNTIL FINAL PROJECT ACCEPTANCE. GUARANTEE PERIOD TO COMMENCE AT FINAL ACCEPTANCE. ANY REPLACEMENT PLANTS SHALL BE OF THE SAME SIZE AND SPECIES AS SPECIFIED WITH NEW GUARANTEE COMMENCING ON THE DATE OF REPLACEMENT.
5. ALL PLANT MATERIAL SHALL CONFORM, IN ALL RESPECTS, TO THE GUIDELINES OF "THE AMERICAN STANDARD FOR NURSERY STOCK," LATEST EDITION, PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION, INC. ALL PLANTS SHALL BE NURSERY GROWN AND SHALL HAVE BEEN GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST TWO (2) YEARS.
6. PLANT SUBSTITUTION SELECTION MUST BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. ALL PLANTS TO BE PLANTED SO THAT AFTER SETTLEMENT THEY BEAR THE SAME RELATION TO THE SURROUNDING GROUND AS TO THEIR ORIGINAL GRADE BEFORE DIGGING.
8. CREATE SAUCER AROUND INDIVIDUAL PLANTS CAPABLE OF HOLDING WATER . ALL PLANTS TO BE FLOODED WITH CLEAN WATER TWICE WITHIN THE FIRST 24 HOURS OF PLANTING. ADDITIONAL WATERING SHALL BE MADE AS REQUIRED TO KEEP PLANTS FROM WILTING AND DRYING OUT UNTIL FINAL ACCEPTANCE.
9. ALL PLANTS TO RECEIVE A MINIMUM OF TWO (2) INCHES OF MULCH AND SHALL COVER PLANTING BEDS AS SHOWN ON DRAWINGS.
10. TRIM BROKEN AND DEAD BRANCHES FROM TREES AND SHRUBS AFTER PLANTING. NEVER CUT A LEADER.
11. CONTRACTOR TO LOAM AND SEED ALL DISTURBED AREAS USING UNIVERSITY OF RHODE ISLAND SEED MIX NO. 2 OR EQUIVALENT AT A RATE OF 6-7 LBS. PER 1,000 SF.
12. RECOMMENDED DATES FOR PLANTING ARE MARCH 15 TO JUNE 15 AND SEPTEMBER 15 TO NOVEMBER 15.
13. ALL LANDSCAPED AREAS SHALL BE KEPT FREE OF WEEDS AND DEBRIS. ALL VEGETATION WITHIN SAID AREAS SHALL BE MAINTAINED FREE OF PHYSICAL DAMAGE CAUSED BY CHEMICALS, INSECTS, DISEASES, LACK OF WATER OR OTHER CAUSES. DAMAGED PLANTS SHALL BE REPLACED WITH THE SAME OR SIMILAR VEGETATION ON AN ANNUAL BASIS.
14. LOAM MOVED ON SITE TO BE STOCKPILED AND RETAINED AND TO BE USED AS REQUIRED FOR THE LANDSCAPE DESIGN. LOAM SHALL NOT BE MIXED WITH ANY UNSUITABLE MATERIALS OR SUBSOIL. EXCESS LOAM TO REMAIN ON THE OWNER'S PROPERTY AND ONLY REMOVED WITH THE OWNERS PERMISSION. NEW LOAM SHALL BE FRIABLE, FERTILE, MEDIUM TEXTURED SANDY LOAM THAT IS FREE OF TOXIC MATERIALS FOR HEALTHY PLANT GROWTH AND SURVIVAL. LOAM SHALL BE FREE OF MATTER 1" OR GREATER IN DIAMETER AND WHEN TESTED SHALL HAVE A PH BETWEEN 5.5 AND 7.5. CONTRACTOR TO PROVIDE 8 INCHES OF GOOD QUALITY, LOAM AND/OR REUSE EXISTING LOAM TO PROVIDE A MINIMUM 6 INCH DEPTH.
15. ANY DISTURBED AREA DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL STATE BY THE CONTRACTOR BEFORE COMPLETION OF THE PROJECT.
16. THESE PLANS ARE FOR LANDSCAPE PLANTING ONLY.

RECEIVED JUN 9 2016 CRMC

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel.401-943-1000 fax.401-464-6006 www.DiPrete-Eng.com
Engineers - Planners - Surveyors

REGISTERED LANDSCAPE ARCHITECT ALEXANDRA C. AVERY NO. 431

No.	Date	Description	By:
0	03-23-2016	Preliminary Submission	JAR

Drawn By: JAR

Landscape Plan

Steere Farm Village

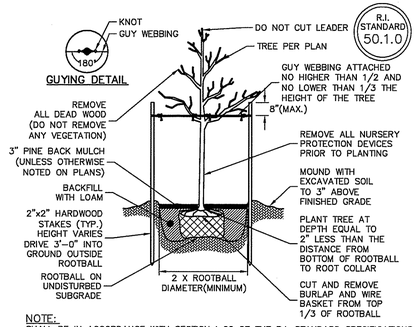
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 1 OF 2

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

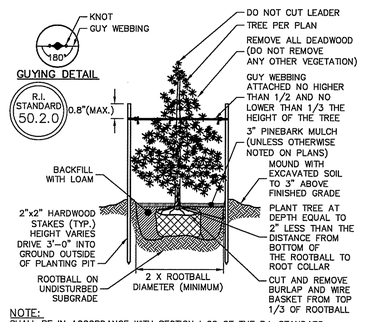
z:\domain\projects\0095-005 steere farm road\autocad drawings\0095-005-lamp-r.dwg Plotted: 3/24/2016



NOTE:
SHALL BE IN ACCORDANCE WITH SECTION L.06 OF THE R.I. STANDARD SPECIFICATIONS.

Large Tree Staking and Planting Detail
(2" Caliper and Greater)

NOT TO SCALE

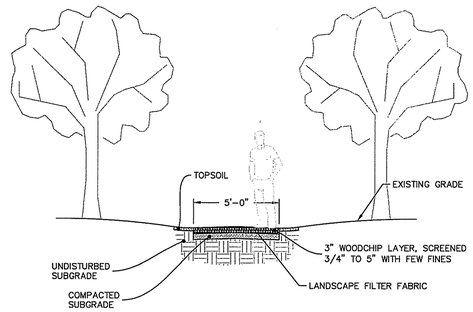


NOTE:
SHALL BE IN ACCORDANCE WITH SECTION L.06 OF THE R.I. STANDARD SPECIFICATIONS.

Evergreen Tree Planting Detail
(4'-0" High and Greater)

NOT TO SCALE

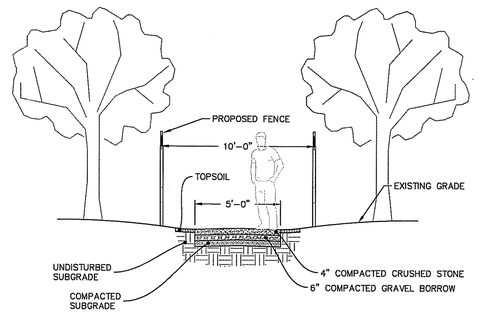
NOTES:
1. SUBGRADE MATERIAL IS TO BE FREE OF ALL ORGANICS.
2. MATERIALS USED SHALL BE IN ACCORDANCE WITH THE R.I. STANDARD SPECIFICATIONS (WOODCHIPS M.18.08.2 AND LANDSCAPE FILTER FABRIC M.18.18)
3. GRADE EDGES OF PATH TO EXISTING GRADE INSIDE OF FENCE LINES AT A 3:1 MAXIMUM SLOPE. LOAM AND SEED ALL DISTURBED AREAS OUTSIDE OF PATH.



Woodland Walkway

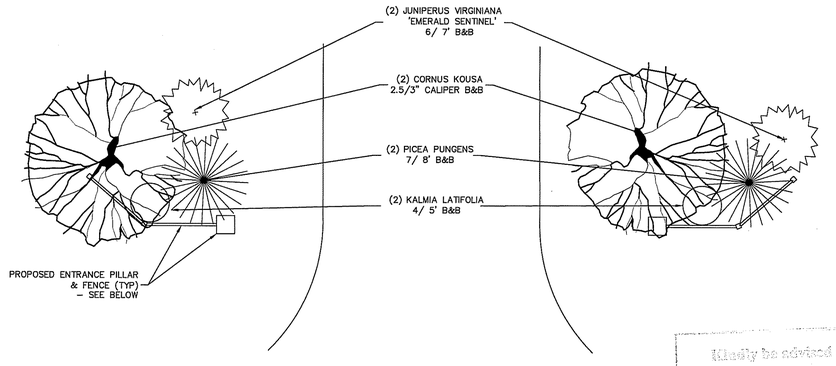
NOT TO SCALE

NOTES:
1. SUBGRADE MATERIAL IS TO BE FREE OF ALL ORGANICS.
2. MATERIALS USED SHALL BE IN ACCORDANCE WITH THE R.I. STANDARD SPECIFICATION.
3. GRADE EDGES OF PATH TO EXISTING GRADE INSIDE OF FENCE LINES AT A 3:1 MAXIMUM SLOPE. LOAM AND SEED ALL DISTURBED AREAS OUTSIDE OF PATH.



Crushed Stone Walkway

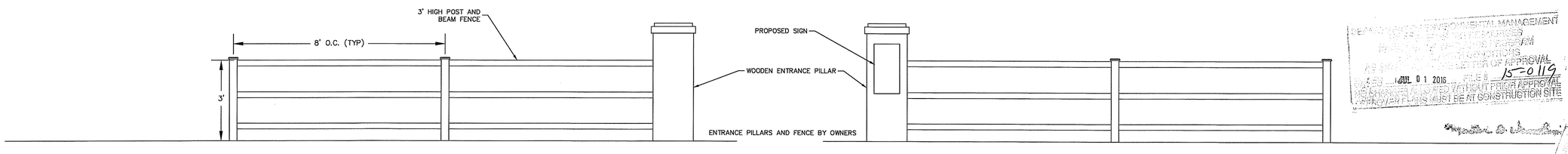
NOT TO SCALE



Entrance Planting

NOT TO SCALE

Kindly be advised that this Permit is subject to a verification of the type or extent of freshwater wetlands on site.



White Wooden Diamond Rail Fence Entrance

NOT TO SCALE

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED AS NOTED IN LETTER OF APPROVAL
DATED JUL 01 2016 FILE # 15-0115
WORK NOT TO BE STARTED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

RECEIVED JUN 9 2016 COASTAL RESOURCES MANAGEMENT COUNCIL

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401.943.5000 fax 401.464.6666 www.DiPrete-Eng.com

REGISTERED LANDSCAPE ARCHITECT ALEXANDRA C. AVERY NO. 431

No.	Date	Description	By:
0	03-23-2016	Preliminary Submission	JAR

Drawn By: JAR

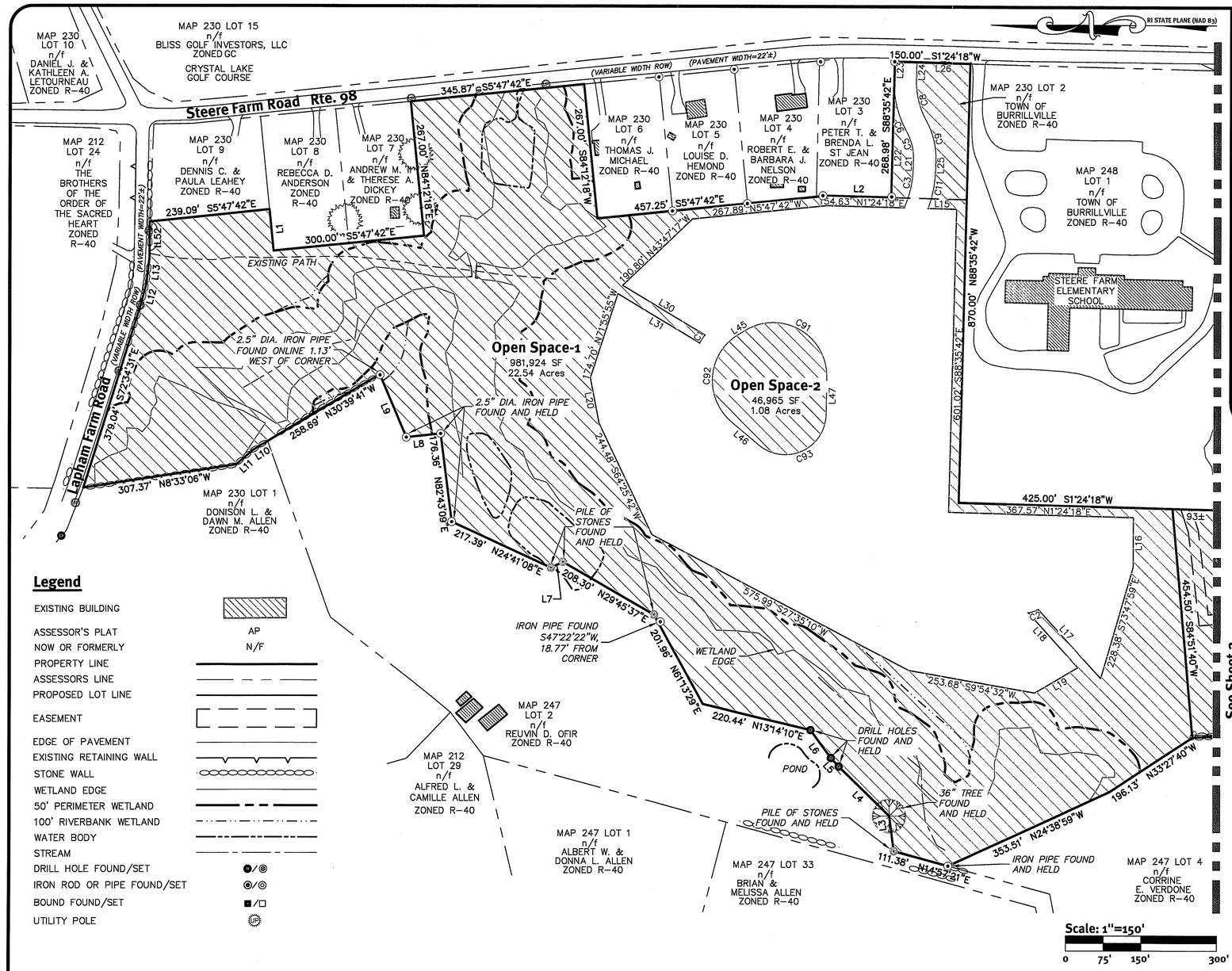
Landscape Details

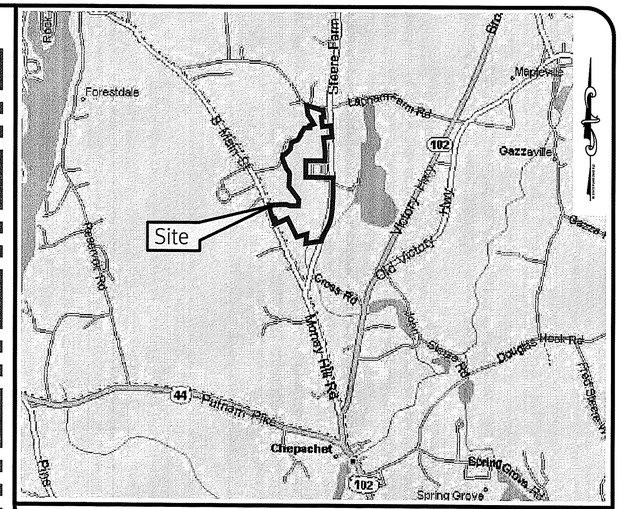
Steere Farm Village
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 2 OF 2

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.





Locus Map 1" = 3000'

General Notes

1. THE SITE IS LOCATED ON THE TOWN OF BURRILLVILLE ASSESSOR'S PLAT 247 LOT 11 & ASSESSOR'S PLAT 230 LOT 2
2. THE SITE IS APPROXIMATELY 93.05± ACRES AND IS ZONED R-40.

   THE OWNER OF AP 247 LOT 11 IS: STEERE FARM VILLAGE, LLC
   P.O. BOX 805
   CHEPACHET, RI 02814

   THE OWNER OF AP 230 LOT 2 IS: TOWN OF BURRILLVILLE
   105 HARRISVILLE MAIN STREET
   HARRISVILLE RI 02830
3. THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44007C0135G AND 44007C0145G, MAP REVISED MARCH 2, 2009.
4. SOIL MAPPING OBTAINED FROM SOIL SURVEY OF RHODE ISLAND, PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
5. THE SITE IS NOT WITHIN A:
   NATURAL HERITAGE AREAS (RIDEM)
   HISTORIC DISTRICT (TOWN OF BURRILLVILLE)
8. THE SITE IS WITHIN GROUNDWATER RESOURCE AREA "GAA". GROUNDWATER CLASSIFIED "GAA" ARE THOSE GROUNDWATER RESOURCES THAT ARE KNOWN OR PRESUMED TO BE SUITABLE FOR DRINKING WATER USE WITHOUT TREATMENT (PER RIDEM).
9. THE SITE IS SUBSTANTIALLY WITHIN AN "A-80 AQUIFER OVERLAY DISTRICT" AND PARTIALLY WITHIN A "NON COMMUNITY WELL HEAD AREA" AS DESIGNATED BY THE TOWN OF BURRILLVILLE, RI.
10. THE SITE IS LOCATED IN THE CHEPACHET RIVER SURFACE WATERSHED 01090030203 PER RIDEM.
11. THERE WERE NO CEMETERIES OBSERVED ON THE SITE.
12. WETLANDS DELINEATED BY NATURAL RESOURCES SERVICES, INC. (NRS), P.O. BOX 311 180 TINKHAM LANE, HARRISVILLE, RI 02830, AND LOCATED BY DIPRETE ENGINEERING, 2 STAFFORD COURT, CRANSTON, RI 02920 USING GPS SUBMETER TECHNOLOGY.

APPROVED AS SUBMITTED
APPROVED AS NOTED
DENIED
JUL 01 2016
15-0119
NO CHANGES, ALTERATIONS OR ADJUSTMENTS PRIOR TO APPROVAL
NO CHANGES SHALL BE MADE AT CONSTRUCTION SITE

SEE SHEET 2 FOR DIMENSIONAL REGULATIONS AND DEVELOPMENT DATA

Line Table

LINE	LENGTH	BEARING
L1	82.63'	S84°12'18"W
L2	129.03'	S1°24'18"W
L3	70.06'	N82°17'43"E
L4	139.80'	N44°01'53"E
L5	22.94'	N47°28'18"E
L6	68.85'	N53°51'16"E
L7	26.39'	N25°51'40"W
L8	68.60'	N6°17'42"W
L9	135.09'	N66°59'05"E
L10	34.55'	N31°10'19"W
L11	42.86'	N40°57'54"W

Line Table

LINE	LENGTH	BEARING
L12	40.94'	S75°11'07"E
L13	53.12'	S82°57'28"E
L14	72.95'	S89°48'45"E
L15	57.14'	N1°24'18"E
L16	97.85'	S89°46'04"E
L17	184.73'	S47°39'57"W
L18	147.29'	N47°39'57"E
L19	98.93'	S30°38'23"E
L20	91.08'	S78°56'58"W
L21	18.96'	N88°19'26"W
L22	233.85'	N88°35'42"W

Line Table

LINE	LENGTH	BEARING
L23	35.13'	N88°35'42"W
L24	35.13'	S88°35'42"E
L25	18.96'	S88°19'26"E
L26	107.00'	N1°24'18"E
L30	190.90'	S30°54'04"W
L31	189.63'	N30°54'04"E
L45	17.54'	S31°05'56"E
L46	71.80'	N39°58'41"E
L47	74.00'	N89°10'44"W

Curve Table

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD LENGTH	CHORD BEARING
C1	7°39'01"	150.00'	20.03'	10.03	20.01'	N56°59'48"W
C2	22°59'12"	55.00'	22.07'	11.18	21.92'	S18°11'13"E
C3	22°45'47"	200.00'	79.46'	40.26	78.94'	N76°56'33"W
C5	30°49'21"	107.00'	57.56'	29.50	56.87'	S76°15'54"W
C6	30°33'05"	202.00'	107.71'	55.17	106.44'	S76°07'46"W
C8	30°33'05"	159.00'	84.78'	43.43	83.78'	N76°07'46"E
C9	30°49'21"	150.00'	80.69'	41.35	79.72'	N76°15'54"E
C11	18°30'55"	243.00'	78.53'	39.61	78.18'	S79°03'58"E
C91	121°55'12"	107.00'	227.69'	192.72	187.10'	S29°51'40"W
C92	108°55'23"	107.00'	203.41'	149.80	174.14'	S85°33'38"E
C93	129°09'25"	82.00'	184.85'	172.52	148.12'	N24°36'01"W

State and Municipal Approvals Received

- RIDOT PAPA NO. 150608-A PERMIT 10-08-2015
- RIDEM INSIGNIFICANT ALTERATION PERMIT 12-08-2015
  WETLAND APPLICATION NO. 15-0119
  RIPDES APPLICATION NO. RIR101292

This Plan Should Be Indexed By The Following Streets:

- STEERE FARM ROAD (RTE. 98)
- LAPHAM FARM ROAD
- SOUTH MAIN STREET (RTE. 100)
- ROAD A
- ROAD B
- ROAD C

Kindly be advised that the Permit is not an approval verification of the type or extent of freshwater wetlands on site.

Certification:

THIS SURVEY AND PLAN CONFORMS TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

MICHAEL E. GAVITT
No. 1981
3/22/16
PROFESSIONAL LAND SURVEYOR

1	03-21-2016	Preliminary Resubmission	J.A.R.
0	01-08-2016	Record Plans	J.A.R.

Drawn By: J.A.R. Checked By: M.E.G.

Perimeter / Open Space Plan - 1

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

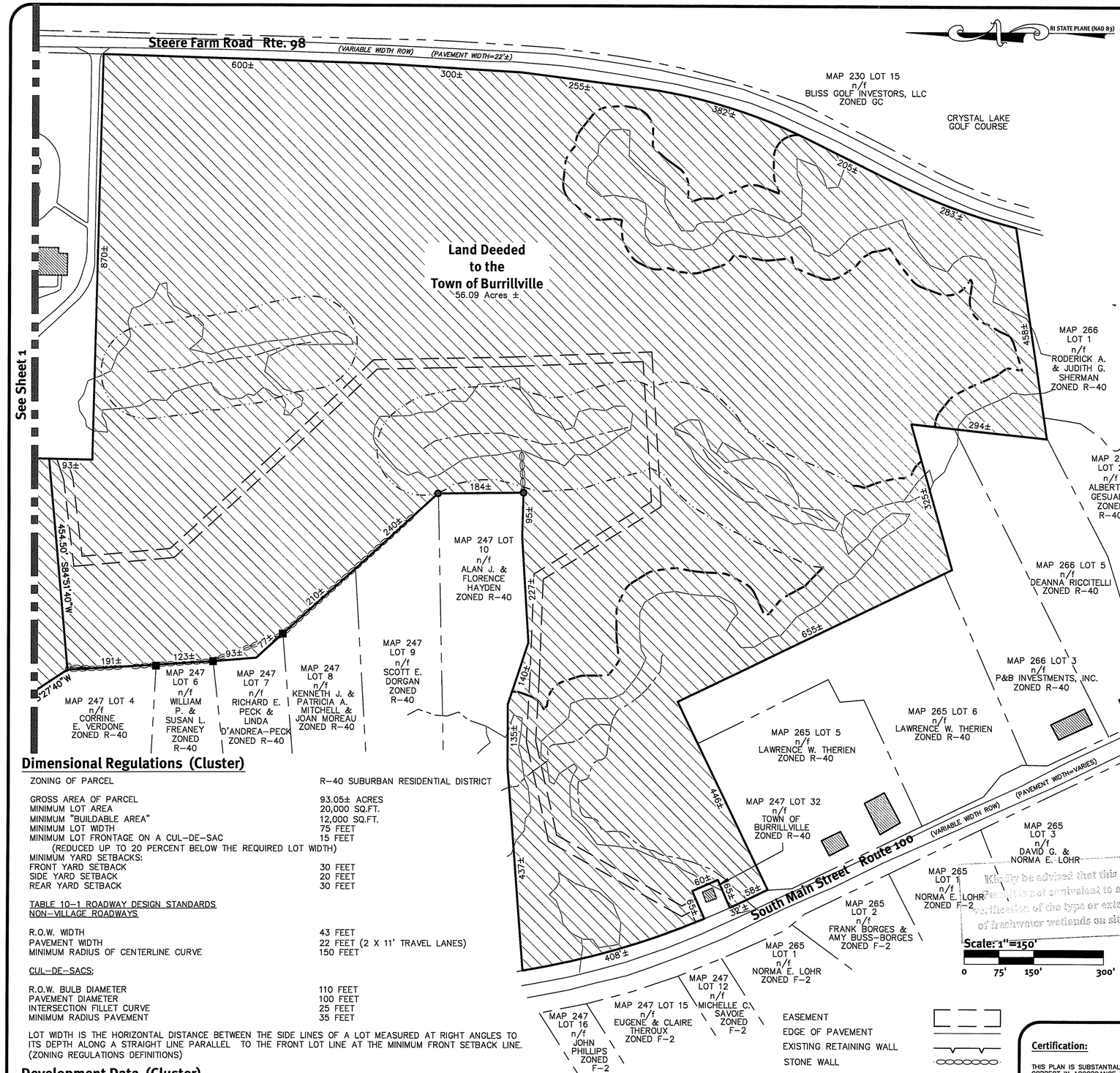
Applicant
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 1 OF 4

Engineers • Planners • Surveyors

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

\\deastorage\demain\projects\0095-005 steere farm road\autocad drawings\0095-005-recd.dwg Plotted: 3/22/2016



Plan References:

1. STEERE FARM SECTION #1 DIVISION OF LAND SITUATED IN BURRILLVILLE, RHODE ISLAND BY JOHN J. DOLAN APRIL 1983, SCALE 1"=80'. RECORDED IN THE TOWN OF BURRILLVILLE LAND EVIDENCE RECORDS IN PLAT BOOK 14 PAGE 29 AND SLIDE 264.
2. MAP OF LAND IN THE TOWN OF BURRILLVILLE BELONGING TO FREDERICK AND HOPE GAMMON SCALE 1 IN = 10 RODS =165 FEET DEC. 1934 WILLARD B. HALL SURVEYOR. RECORDED IN THE TOWN OF BURRILLVILLE LAND EVIDENCE RECORDS IN PLAT BOOK 2 PAGE 65.
3. RHODE ISLAND HIGHWAY PLAT NO. 910.
4. BOARD OF SEWER COMMISSIONERS TOWN OF BURRILLVILLE, RHODE ISLAND PLAN OF LAND TAKING I AUGUST, 1979 METCALF & EDDY, INC. ENGINEERS BOSTON-NEW YORK-PALO ALTO CALIFORNIA. RECORDED IN THE TOWN OF BURRILLVILLE LAND EVIDENCE RECORDS IN PLAT BOOK 12 PAGES 19 & 46.
5. SUBDIVISION OF LAND FOR: COUNTRY DEVELOPMENT CORP. ASSESSORS BLOCK 22 LOT 31 BURRILLVILLE, R.I. 'COUNTRY ESTATES' SCALE: 1"=60' DATED 10/26/87 BY: ROBERT OLIVER JR. R.L.S. RECORDED IN THE TOWN OF BURRILLVILLE LAND EVIDENCE RECORDS IN PLAT BOOK 18 PAGE 23, SLIDE 323.
6. SURVEY FOR LAKEVIEW HEALTH CENTER SITUATED IN BURRILLVILLE RHODE ISLAND BY DOLAN & DOLAN DEC. 1975. RECORDED IN THE TOWN OF BURRILLVILLE LAND EVIDENCE RECORDS IN PLAT BOOK 8 PAGE 19 AND SLIDE 170.
7. ALLEN-ABBATE SUBDIVISION, MINOR SUBDIVISION - FINAL PLAN. RECORDED IN THE TOWN OF BURRILLVILLE LAND EVIDENCE RECORDS AS PLAT 2004-26, SLIDE 466.
8. ADMINISTRATIVE SUBDIVISION MAP 212 LOT 29 & MAP 230 LOT 1 FOR ALFRED & CAMILLE ALLEN BURRILLVILLE, RHODE ISLAND MARCH 7, 2002 BY MARC N. NYBERG ASSOCIATES, INC. RECORDED IN THE TOWN OF BURRILLVILLE LAND EVIDENCE RECORDS IN PLAT BOOK 25 PAGE 45 AND SLIDE 453.
9. DIVISION OF LAND OWNED BY PHYLLIS L. ALLEN BURRILLVILLE, RHODE ISLAND NOVEMBER, 1993 BY MARC N. NYBERG & ASSOCIATES, INC. RECORDED IN THE TOWN OF BURRILLVILLE LAND EVIDENCE RECORDS IN PLAT BOOK 22 PAGE 30 AND SLIDE 404.
10. PLAN OF PROPERTY ACQUISITION BY THE TOWN OF BURRILLVILLE FOR HIGHWAY IMPROVEMENTS AT THE INTERSECTION OF STEERE FARM ROAD AND LAPHAM FARM ROAD IN HARRISVILLE. RECORDED IN THE TOWN OF BURRILLVILLE LAND EVIDENCE RECORDS IN PLAT BOOK 23 PAGE 18.
11. PLAN OF 20' SEWER EASEMENT FOR: STEERE FARM ASSOCIATES LOCATION: SOUTH MAIN STREET BURRILLVILLE, R.I., REVISED 8/23/88 BY ROBERT OLIVER JR, R.L.S. (UNRECORDED)
12. DIVISION OF LAND PLAN BURRILLVILLE, RI BLOCK 22 LOT 16 PREPARED FOR STEERE FARM ASSOCIATES BY N. VELTRI SURVEY, INC., JUNE 1992. (UNRECORDED)

Dimensional Regulations (Cluster)

ZONING OF PARCEL	R-40 SUBURBAN RESIDENTIAL DISTRICT
GROSS AREA OF PARCEL	93.05± ACRES
MINIMUM LOT AREA	20,000 SQ.FT.
MINIMUM "BUILDABLE AREA"	12,000 SQ.FT.
MINIMUM LOT WIDTH	75 FEET
MINIMUM LOT FRONTAGE ON A CUL-DE-SAC (REDUCED UP TO 20 PERCENT BELOW THE REQUIRED LOT WIDTH)	15 FEET
MINIMUM YARD SETBACKS:	
FRONT YARD SETBACK	30 FEET
SIDE YARD SETBACK	20 FEET
REAR YARD SETBACK	30 FEET
TABLE 10-1 ROADWAY DESIGN STANDARDS NON-VILLAGE ROADWAYS	
R.O.W. WIDTH	43 FEET
PAVEMENT WIDTH	22 FEET (2 X 11' TRAVEL LANES)
MINIMUM RADIUS OF CENTERLINE CURVE	150 FEET
CUL-DE-SACS:	
R.O.W. BULB DIAMETER	110 FEET
PAVEMENT DIAMETER	100 FEET
INTERSECTION FILLET CURVE	25 FEET
MINIMUM RADIUS PAVEMENT	35 FEET

LOT WIDTH IS THE HORIZONTAL DISTANCE BETWEEN THE SIDE LINES OF A LOT MEASURED AT RIGHT ANGLES TO ITS DEPTH ALONG A STRAIGHT LINE PARALLEL TO THE FRONT LOT LINE AT THE MINIMUM FRONT SETBACK LINE. (ZONING REGULATIONS DEFINITIONS)

Development Data (Cluster)

GROSS AREA OF PARCEL	93.05± ACRES
NUMBER OF BUILDABLE LOTS	22 LOTS
TOTAL AREA OF BUILDABLE LOTS	11.20 ACRES
AVERAGE LOT AREA	0.51 ACRES±
AREA OF RIGHT-OF-WAY	2.14 ACRES
TOTAL LENGTH OF ROADWAY	2,098 LF±
OPEN SPACE:	23.62 ACRES
LAND TO BE DEEDED TO THE TOWN:	56.09± ACRES
TOTAL AREA OF OPEN SPACE AND LAND TO BE DEEDED TO THE TOWN:	79.71± ACRES

Legend

EXISTING BUILDING	
ASSESSOR'S PLAT	AP
NOW OR FORMERLY	N/F
PROPERTY LINE	
ASSESSORS LINE	
PROPOSED LOT LINE	
EASEMENT	
EDGE OF PAVEMENT	
EXISTING RETAINING WALL	
STONE WALL	
WETLAND EDGE	
50' PERIMETER WETLAND	
100' RIVERBANK WETLAND	
WATER BODY	
STREAM	
DRILL HOLE FOUND/SET	●/◎
IRON ROD OR PIPE FOUND/SET	◉/◎
BOUND FOUND/SET	▪/□
UTILITY POLE	UP

It may be advised that this property is not equivalent to a certification 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 JUL 01 2016 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

This Plan Should Be Indexed By The Following Streets:

- STEERE FARM ROAD (RTE. 98)
- LAPHAM FARM ROAD
- SOUTH MAIN STREET (RTE. 100)
- ROAD A
- ROAD B
- ROAD C

Certification:

THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV SURVEY AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

MICHAEL E. GAMITT
CERTIFICATE NO. 12081
RHODE ISLAND
9/22/16
PROFESSIONAL LAND SURVEYOR

1	03-21-2016	Preliminary Resubmission	J.A.R.
0	01-08-2016	Record Plans	J.A.R.

Drawn By: J.A.R. | Checked By: M.E.G.

Perimeter / Open Space Plan - 2

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

Applicant
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 2 OF 4

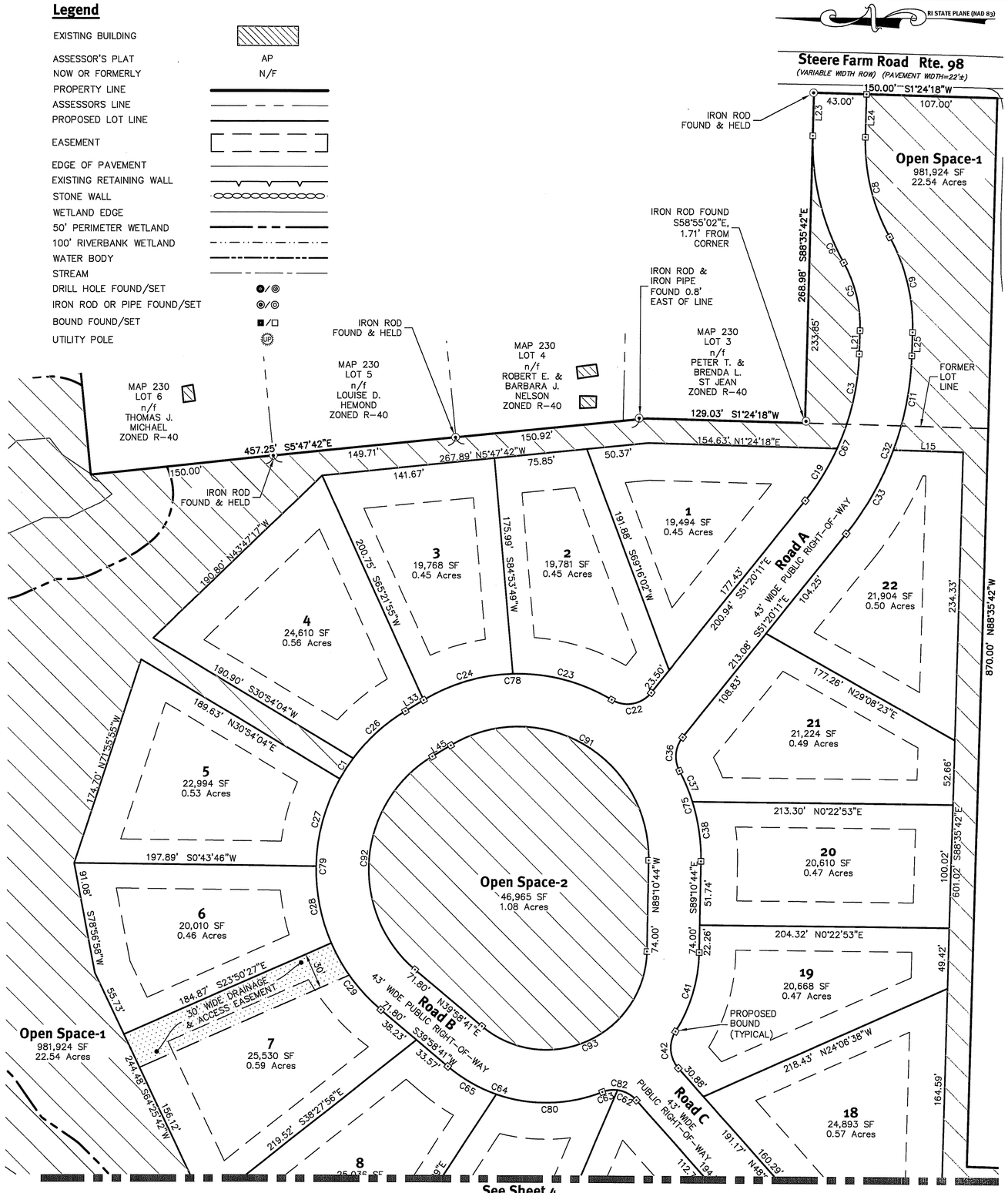
Engineers • Planners • Surveyors

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

\\deastorage\demain\projects\0095-005 steere farm road\autocad drawings\0095-005-recd.dwg Plotted: 3/22/2016

Legend

EXISTING BUILDING
ASSESSOR'S PLAT — AP
NOW OR FORMERLY — N/F
PROPERTY LINE
ASSESSORS LINE
PROPOSED LOT LINE
EASEMENT
EDGE OF PAVEMENT
EXISTING RETAINING WALL
STONE WALL
WETLAND EDGE
50' PERIMETER WETLAND
100' RIVERBANK WETLAND
WATER BODY
STREAM
DRILL HOLE FOUND/SET
IRON ROD OR PIPE FOUND/SET
BOUND FOUND/SET
UTILITY POLE



Curve Table

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD LENGTH	CHORD BEARING
C1	7°39'01"	150.00'	20.03'	10.03	20.01'	N56°59'48"W
C3	22°45'47"	200.00'	79.46'	40.26	78.94'	N76°56'33"W
C5	30°49'21"	107.00'	57.56'	29.50	56.87'	S76°15'54"W
C6	30°33'05"	202.00'	107.71'	55.17	106.44'	S76°07'46"W
C8	30°33'05"	159.00'	84.78'	43.43	83.78'	N76°07'46"E
C9	30°49'21"	150.00'	80.69'	41.35	79.72'	N76°15'54"E
C11	18°30'55"	243.00'	78.53'	39.61	78.18'	S79°03'58"E
C19	14°13'28"	200.00'	49.65'	24.95	49.53'	S58°26'55"E
C22	81°53'42"	25.00'	35.73'	21.69	32.77'	S10°23'20"E
C23	32°18'03"	150.00'	84.56'	43.44	83.45'	S14°24'29"W
C24	29°21'24"	150.00'	76.86'	39.29	76.02'	S16°25'14"E
C26	22°04'21"	150.00'	57.79'	29.26	57.43'	S42°08'07"E
C27	28°26'56"	150.00'	74.48'	38.02	73.72'	S75°02'46"E
C28	24°31'15"	150.00'	64.20'	32.60	63.71'	N78°28'08"E
C29	26°13'50"	150.00'	68.67'	34.95	68.07'	N53°05'36"E
C32	36°59'15"	243.00'	156.87'	81.28	154.16'	S69°49'48"E
C33	18°28'20"	243.00'	78.34'	39.51	78.00'	S60°34'21"E
C36	67°01'05"	25.00'	29.24'	16.55	27.60'	S84°50'43"E
C37	10°25'49"	150.00'	27.31'	13.69	27.27'	N66°51'38"E
C38	18°44'43"	150.00'	49.08'	24.76	48.86'	N81°26'54"E
C41	31°20'29"	125.00'	68.38'	35.07	67.53'	S73°30'29"E
C42	74°07'43"	25.00'	32.34'	18.88	30.14'	N85°05'54"E
C62	40°50'21"	25.00'	17.82'	9.31	17.44'	S27°36'51"W
C63	28°53'10"	25.00'	12.60'	6.44	12.47'	S7°14'54"E
C64	61°40'10"	125.00'	134.54'	74.62	128.14'	S9°08'36"W
C65	21°03'09"	125.00'	45.93'	23.23	45.67'	S29°27'07"W
C67	36°59'15"	200.00'	129.11'	66.89	126.88'	N69°49'48"W
C75	29°10'32"	150.00'	76.38'	39.04	75.56'	N76°14'00"E
C78	61°39'27"	150.00'	161.42'	89.52	153.74'	S0°16'12"E
C79	108°55'23"	150.00'	285.16'	209.99	244.12'	S85°33'38"E
C80	40°37'01"	125.00'	88.61'	46.26	86.77'	S1°22'58"E
C82	69°43'31"	25.00'	30.42'	17.42	28.58'	N13°10'17"E
C91	121°55'12"	107.00'	227.69'	192.72	187.10'	S29°51'40"W
C92	108°55'23"	107.00'	203.41'	149.80	174.14'	S85°33'38"E
C93	129°09'25"	82.00'	184.85'	172.52	148.12'	N24°36'01"W

Line Table

LINE	LENGTH	BEARING
L15	57.14'	N1°24'18"E
L21	18.96'	N88°19'26"W
L23	35.13'	N88°35'42"W
L24	35.13'	S88°35'42"E
L25	18.96'	S88°19'26"E
L33	17.54'	S31°05'56"E
L45	17.54'	S31°05'56"E

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

STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED 10-11-2015 FILE # 15-0119 CHANGES ALLOWED WITHOUT PRIOR APPROVAL

This Plan Should Be Indexed By The Following Streets:

- STEERE FARM ROAD (RTE. 98)
- LAPHAM FARM ROAD
- SOUTH MAIN STREET (RTE. 100)
- ROAD A
- ROAD B
- ROAD C

SEE SHEET 2 FOR DIMENSIONAL REGULATIONS AND DEVELOPMENT DATA

Certification:

THIS SURVEY AND PLAN CONFORMS TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

MICHAEL E. GAVITT — 1981 — 3/22/16 — PROFESSIONAL LAND SURVEYOR

1	03-21-2016	Preliminary Resubmission	J.A.R.
0	01-08-2016	Record Plans	J.A.R.

Drawn By: J.A.R. | Checked By: M.E.G.

Record Plan -1

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPreteEng.com

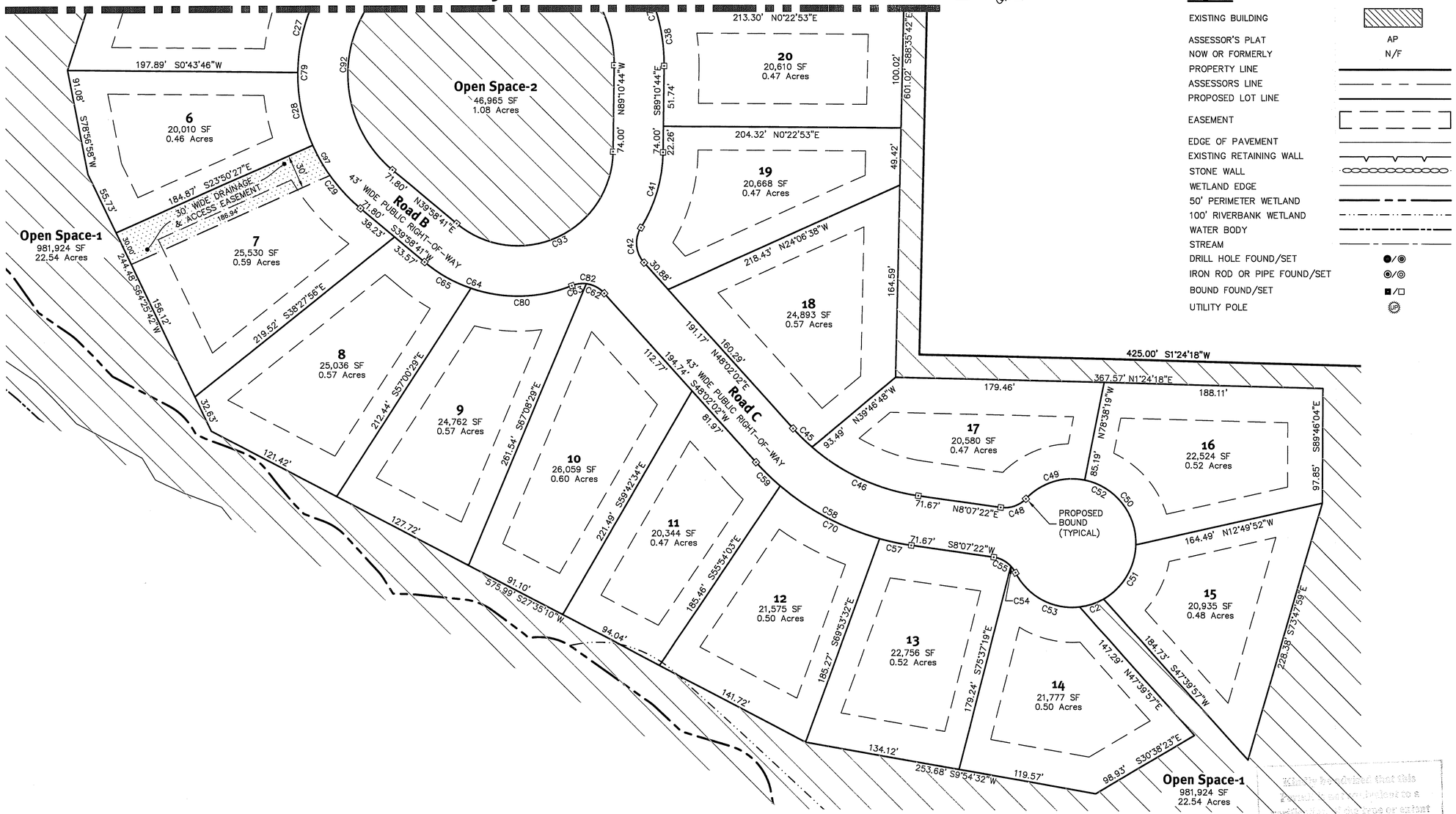
Applicant
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 3 OF 4

Engineers • Planners • Surveyors

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

\\deastorage\demain\projects\0095-005 steere farm road\autocad drawings\0095-005-recd.dwg Plotted: 3/22/2016



Curve Table

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD LENGTH	CHORD BEARING
C27	28°26'56"	150.00'	74.48'	38.02	73.72'	S75°02'46"E
C28	24°31'15"	150.00'	64.20'	32.60	63.71'	N78°28'08"E
C29	26°13'50"	150.00'	68.67'	34.95	68.07'	N53°05'36"E
C38	18°44'43"	150.00'	49.08'	24.76	48.86'	N81°26'54"E
C41	31°20'29"	125.00'	68.38'	35.07	67.53'	S73°30'29"E
C42	74°07'43"	25.00'	32.34'	18.88	30.14'	N85°05'54"E
C45	7°19'37"	178.50'	22.83'	11.43	22.81'	N44°22'14"E
C46	39°54'40"	178.50'	124.34'	64.81	121.84'	N28°04'42"E
C48	54°27'41"	25.00'	23.76'	12.87	22.88'	N19°06'28"W
C49	57°47'45"	55.00'	55.48'	30.36	53.16'	N17°26'27"W
C50	80°10'34"	55.00'	76.96'	46.29	70.84'	N51°32'43"E
C51	58°41'11"	55.00'	56.33'	30.92	53.90'	S59°01'25"E
C52	288°55'23"	55.00'	277.35'	−39.29	63.94'	S81°52'38"E
C53	69°16'41"	55.00'	66.50'	38.00	62.52'	S27°56'43"W
C54	15°45'38"	25.00'	6.88'	3.46	6.86'	S54°42'15"W

Curve Table

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD LENGTH	CHORD BEARING
C55	38°42'04"	25.00'	16.89'	8.78	16.57'	S27°28'24"W
C57	7°12'43"	221.50'	27.88'	13.96	27.86'	S11°43'44"W
C58	39°54'40"	221.50'	154.29'	80.42	151.19'	S28°04'42"W
C59	7°31'04"	221.50'	29.06'	14.55	29.04'	S44°16'30"W
C62	40°50'21"	25.00'	17.82'	9.31	17.44'	S27°36'51"W
C63	28°53'10"	25.00'	12.60'	6.44	12.47'	S7°14'54"E
C64	61°40'10"	125.00'	134.54'	74.62	128.14'	S9°08'36"W
C65	21°03'09"	125.00'	45.93'	23.23	45.67'	S29°27'07"W
C70	25°10'53"	221.50'	97.35'	49.47	96.57'	S27°55'32"W
C79	108°55'23"	150.00'	285.16'	209.99	244.12'	S85°33'38"E
C80	40°37'01"	125.00'	88.61'	46.26	86.77'	S1°22'58"E
C82	69°43'31"	25.00'	30.42'	17.42	28.58'	N13°10'17"E
C92	108°55'23"	107.00'	203.41'	149.80	174.14'	S85°33'38"E
C93	129°09'25"	82.00'	184.85'	172.52	148.12'	N24°36'01"W
C97	11°32'09"	149.25'	30.05'	15.08	30.00'	S60°28'10"W

Scale: 1"=60'
0 30' 60' 120'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
FILE # 15-0116
DATED JUL 01 2016
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

I certify that this Record Plan conforms to a jurisdictional determination of the type or extent of freshwater wetlands on site.

SEE SHEET 2 FOR DIMENSIONAL REGULATIONS AND DEVELOPMENT DATA

This Plan Should Be Indexed By The Following Streets:

- STEERE FARM ROAD (RTE. 98)
- LAPHAM FARM ROAD
- SOUTH MAIN STREET (RTE. 100)
- ROAD A
- ROAD B
- ROAD C

Certification:

THIS SURVEY AND PLAN CONFORMS TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

MICHAEL E. GAMITT
No. 9881
PROFESSIONAL LAND SURVEYOR
3/22/16

1	03-21-2016	Preliminary Resubmission	J.A.R.
0	01-08-2016	Record Plans	J.A.R.

Drawn By: J.A.R. Checked By: M.E.G.

Record Plan -2

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

Applicant
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

Engineers • Planners • Surveyors

DE Job No: 0095-005 Copyright 2016 by DiPrete Engineering Associates, Inc.

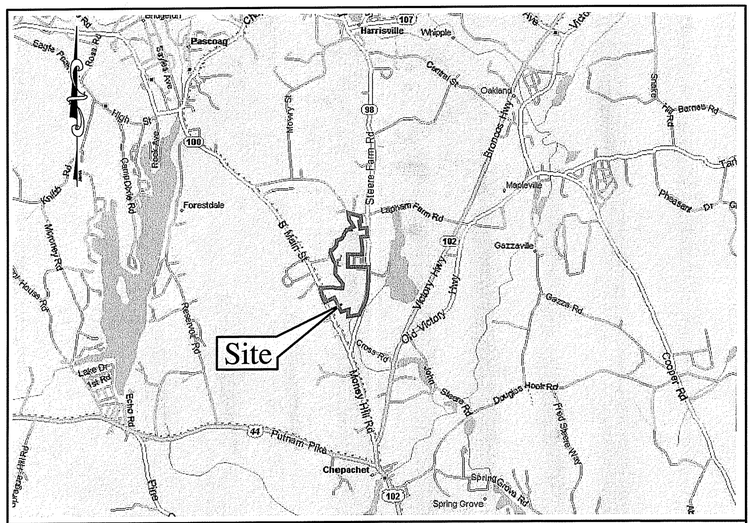
\\deastorage\demain\projects\0095-005 steere farm road\autocad drawings\0095-005-recd.dwg Plotted: 3/22/2016

RIDEM Site Suitability Submission

Steere Farm Village

Located on Steere Farm Road - Route 98,
South Main Street and Lapham Farm Road
Burrillville, Rhode Island

AP 247 Lot 11 & AP 230 Lot 2



Location Map Scale: 1" = 3000'

Sheet Index

1. Cover Sheet
2. Aerial Locus Map
3. Existing Conditions Plan
4. Overall Plan
5. Site Plan
6. Grading & Utility Plan - 1
7. Grading & Utility Plan - 2
8. Plan & Profile - 1
9. Plan & Profile - 2
10. Plan & Profile - 3
11. Detail Sheet - 1
12. Detail Sheet - 2
13. Detail Sheet - 3
14. Detail Sheet - 4
15. Soil Erosion & Sediment Control Plan

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

marilyn d. Wesh

SESC / O&M
The Soil Erosion and Sediment Control Plan (SESC) and Operations and Maintenance Plan (O&M) are required documents with this plan set and must be maintained by the contractor and owner onsite.

RIDOT
The Proposed Improvements Will Not Increase the Rate of Stormwater Runoff Onto the State Highway. All Work Within the State Right of Way Must Conform to the RI Standard Specifications, Details, and Addendums.

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

No.	Date	Description	By
1	10-27-2014	RIDEM Comments	DJR
2	5-29-2015	Water Department Revisions	DJC
3	9-2-2015	RIDOT Resubmission	MSC
4	9-17-2015	RIDEM Wetlands Revisions	DJC
5	8-21-2015	RIDEM Wetlands Resubmission	DJC
6	06-09-2015	RIDEM Wetlands Submission	DJR

Drawn By: JAR

Cover Sheet

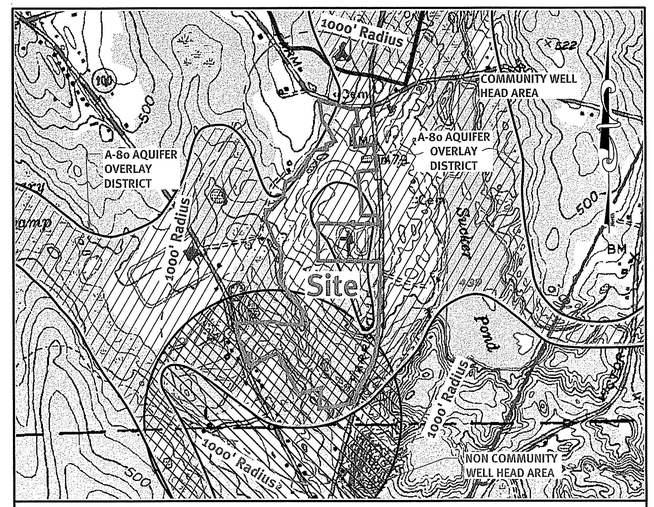
Steere Farm Village
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 1 OF 15

DE Job No: 0095-005 Copyright 2015 by DiPrete Engineering Associates, Inc.

z:\domain\projects\0095-005 steere farm road\autocad drawings\0095-005-dsm.dwg Plotted: 10/27/2015



USGS Location Map Scale 1" = 1000'

Photo obtained from the RI-GIS

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers - Planners - Surveyors

KEVIN C. MORIN
No. 7051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By:
7	10-27-2015	RIDEM Comments	JMR
6	9-22-2015	Water Department Revisions	JMR
5	9-14-2015	RIDOT Resubmission	MSC
4	9-1-2015	RIDOT Resubmission	MSC
3	8-17-2015	RIDEM Wetlands Resubmission	MSC
2	8-12-2015	RIDEM Wetlands Resubmission	MSC
1	06-09-2015	RIDEM Wetlands Submission	JMR
0	05-05-2015	RIDEM Comments	JMR

Drawn By: JMR

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Aerial Locus Map

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 2 OF 15

DE Job No: 0095-005 Copyright 2015 by DiPrete Engineering Associates, Inc.

z:\domain\projects\0095-005 steere farm road\autocad drawings\0095-005-dem.dwg Plotted: 10/27/2015

GENERAL NOTES

1. THE SITE IS LOCATED ON THE TOWN OF BURRILLVILLE ASSESSOR'S PLAT 247 LOT 11 & ASSESSOR'S PLAT 230 LOT 2
2. THE SITE IS APPROXIMATELY 99.72± ACRES AND IS ZONED R–40.

THE OWNER OF AP 247 LOT 11 IS: STEERE FARM VILLAGE, LLC
P.O. BOX 805
CHEPACHET, RI 02814

THE OWNER OF AP 230 LOT 2 IS: TOWN OF BURRILLVILLE
105 HARRISVILLE MAIN STREET
HARRISVILLE RI 02830

3. THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44007C0135G AND 44007C0145G, MAP REVISED MARCH 2, 2009.
4. 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. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.
5. SOIL MAPPING OBTAINED FROM SOIL SURVEY OF RHODE ISLAND, PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
6. THE SITE IS NOT WITHIN A:
   NATURAL HERITAGE AREAS (RIDEM)
   HISTORIC DISTRICT (TOWN OF BURRILLVILLE)
8. THE SITE IS WITHIN GROUNDWATER RESOURCE AREA "GAA". GROUNDWATER CLASSIFIED "GAA" ARE THOSE GROUNDWATER RESOURCES THAT ARE KNOWN OR PRESUMED TO BE SUITABLE FOR DRINKING WATER USE WITHOUT TREATMENT (PER RIDEM).
9. THE SITE IS SUBSTANTIALLY WITHIN AN "A–80 AQUIFER OVERLAY DISTRICT" AND PARTIALLY WITHIN A "NON COMMUNITY WELL HEAD AREA" AS DESIGNATED BY THE TOWN OF BURRILLVILLE, RI.
10. THE SITE IS LOCATED IN THE CHEPACHET RIVER SURFACE WATERSHED 01090030203 PER RIDEM.
11. THERE ARE NO CEMETERIES ON THE SITE
12. WETLANDS DELINEATED BY NATURAL RESOURCES SERVICES, INC. (NRS), P.O. BOX 311 180 TINKHAM LANE, HARRISVILLE, RI 02830. AND LOCATED BY DIPRETE ENGINEERING, 2 STAFFORD COURT, CRANSTON, RI 02920 USING GPS SUBMETER TECHNOLOGY.

AQUIFER OVERLAY DISTRICT

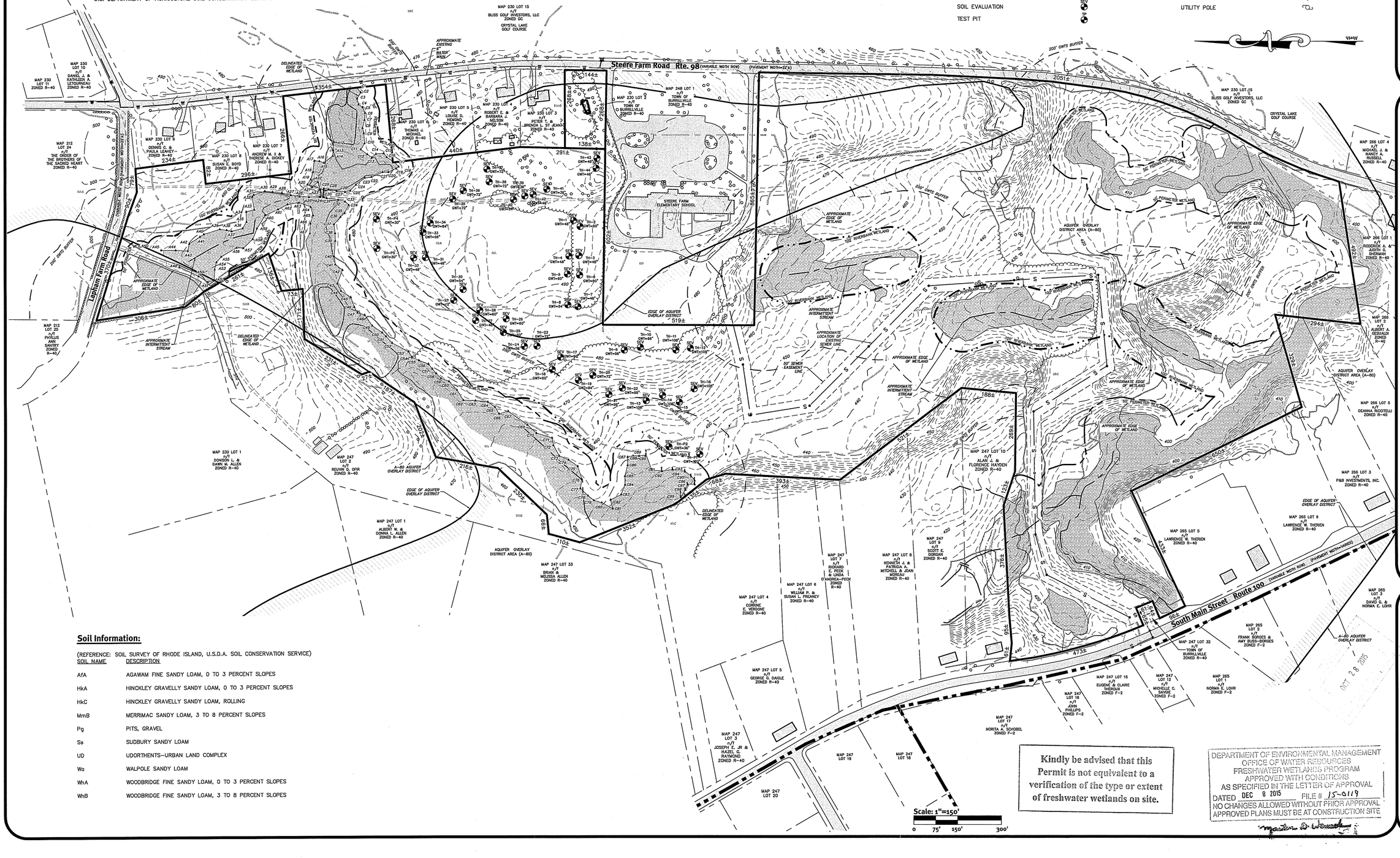
ZONING OF PARCEL	A–80
MINIMUM LOT AREA:	80,000 SQ.FT.
MINIMUM LOT WIDTH:	300 FEET
MINIMUM FRONT YARD SETBACK:	40 FEET
MINIMUM SIDE YARD SETBACK:	15 FEET
MINIMUM REAR YARD SETBACK:	40 FEET
MAXIMUM LOT COVERAGE:	15%

PARCELS CONTAINING MORE THAN ONE "A" ZONE, OR IF ANY PART OF A PARCEL LIES WITHIN AN "A" ZONE, THE MOST RESTRICTIVE ZONE SHALL TAKE PRECEDENCE. (ZONING REGULATION SECTION 30–202 (b)(4))

Existing Conditions Legend: NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY

EX MAJOR FOOT CONTOUR — 160
EX MINOR FOOT CONTOUR — 158
PROPERTY LINE
ASSESSOR LINE
SOIL LINE AND DESIGNATION — HkC / CaD
WETLAND EDGE
WETLAND FLAG — A5
WETLAND HATCH
EDGE OF PAVEMENT
ASPHALT PAVEMENT
BUILDING
TREELINE
SOIL EVALUATION — SEV
TEST PIT — TP

EX FENCE
OVERHEAD WIRES — OHW
UNDERGROUND ELECTRIC — E
GAS LINE — G
WATER LINE — W
SEWER LINE — S
DRAIN LINE
HYDRANT
SEWER MANHOLE — S
DRAINAGE MANHOLE — D
CATCH BASIN — DCB
EXISTING WELL — W
LIGHT POLE
UTILITY POLE



Soil Information:

(REFERENCE: SOIL SURVEY OF RHODE ISLAND, U.S.D.A. SOIL CONSERVATION SERVICE)

SOIL NAME	DESCRIPTION
AfA	AGAWAM FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
HkA	HINCKLEY GRAVELLY SANDY LOAM, 0 TO 3 PERCENT SLOPES
HkC	HINCKLEY GRAVELLY SANDY LOAM, ROLLING
MmB	MERRIMAC SANDY LOAM, 3 TO 8 PERCENT SLOPES
Pg	PITS, GRAVEL
Ss	SUDBURY SANDY LOAM
UD	UDORTHENTS–URBAN LAND COMPLEX
Wa	WALPOLE SANDY LOAM
WhA	WOODBRIDGE FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
WhB	WOODBRIDGE FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES

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 DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

No.	Date	Description	By
1	10-27-2015	RIDEM Comments	JAR
2	9-25-2015	Water Department Revisions	JAR
3	9-2-2015	RIDOT Responsesion	JAR
4	8-12-2015	RIDEM Responsesion	JAR
5	8-12-2015	RIDEM Wetlands Resubmission	JAR
6	6-22-2015	RIDEM Wetlands Submission	JAR

Drawn By: JAR

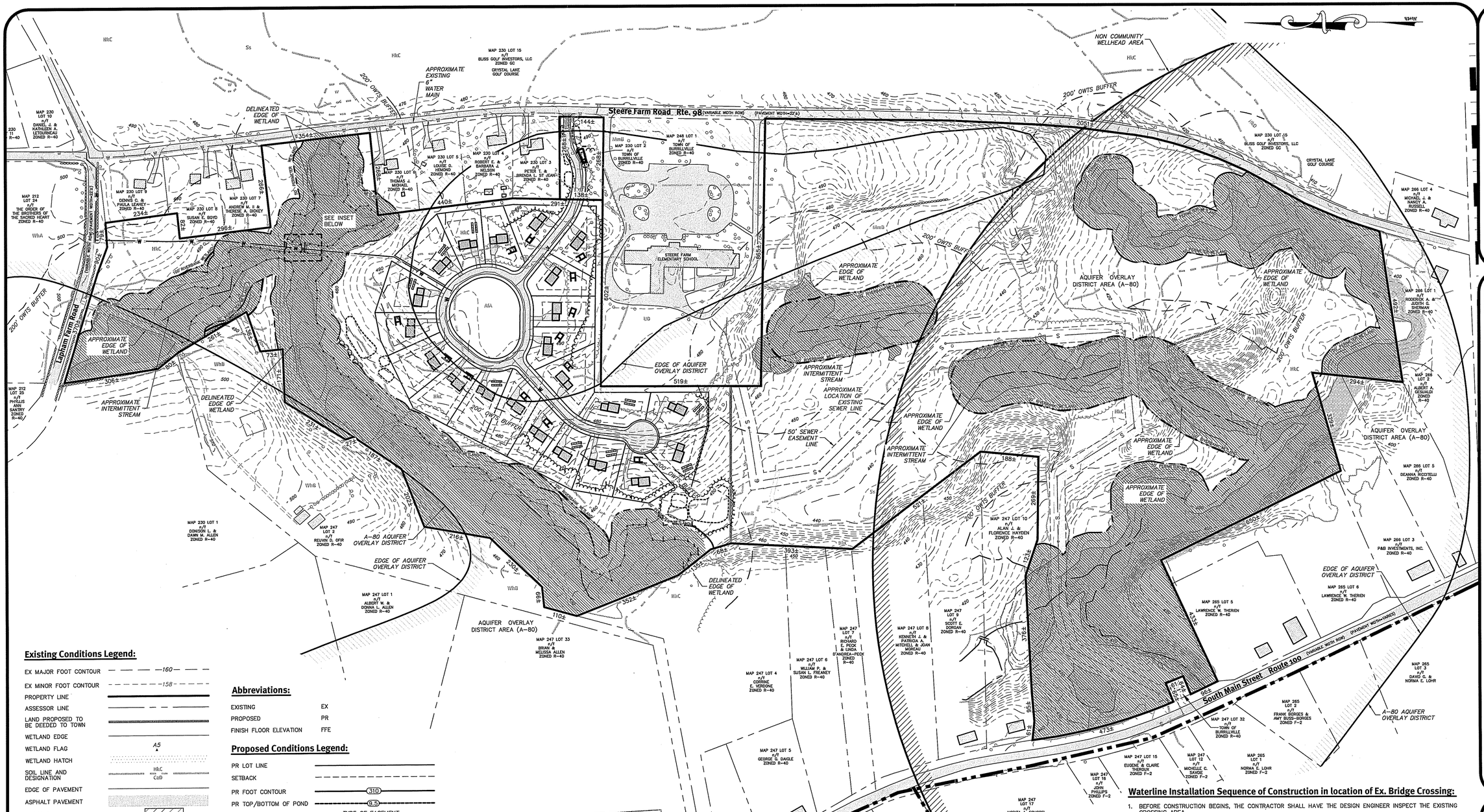
DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

Existing Conditions Plan
Steere Farm Village
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island
Prepared for
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 3 OF 15

DE Job No: 0095-005 Copyright 2015 by DiPrete Engineering Associates, Inc.

z:\dema\projects\0095-005 steere farm road\autocad drawings\0095-005-dem.dwg Plotted: 10/27/2015



Existing Conditions Legend:

EX MAJOR FOOT CONTOUR — 160 —
EX MINOR FOOT CONTOUR — 158 —
PROPERTY LINE
ASSESSOR LINE
LAND PROPOSED TO BE DEEDED TO TOWN
WETLAND EDGE
WETLAND FLAG — A5
WETLAND HATCH
SOIL LINE AND DESIGNATION — HkC / CaD
EDGE OF PAVEMENT
ASPHALT PAVEMENT
BUILDING
TREELINE
EX FENCE
OVERHEAD WIRES — OHW
UNDERGROUND ELECTRIC — E
GAS LINE — G
WATER LINE — W
SEWER LINE — S
DRAIN LINE
HYDRANT
SEWER MANHOLE — S
DRAINAGE MANHOLE — D
CATCH BASIN — CB
DOUBLE CATCH BASIN — DCB
EXISTING WELL — W
LIGHT POLE
UTILITY POLE — SEV
SOIL EVALUATION
TEST PIT — TP

Abbreviations:

EXISTING	EX
PROPOSED	PR
FINISH FLOOR ELEVATION	FFE

Proposed Conditions Legend:

PR LOT LINE
SETBACK
PR FOOT CONTOUR — 310
PR TOP/BOTTOM OF POND — 9.5
EASEMENT — TYPE OF EASEMENT
POND OUTLINE
BUILDING FOOTPRINT
LIMIT OF WORK
STAKED SILT FENCE
CONSTRUCTION ENTRANCE
RIP-RAP
SAW CUT/MATCH AREA
CONCRETE CURB
ASPHALT PAVEMENT
GAS LINE — G — G
WATER LINE — W — W
DRAIN LINE
OVERHEAD WIRES — OHW
MANHOLE — S
CATCH BASIN — D
DOUBLE CATCH BASIN — CB
FLARED END
ONSITE WASTEWATER TREATMENT SYSTEM (OWTS)

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

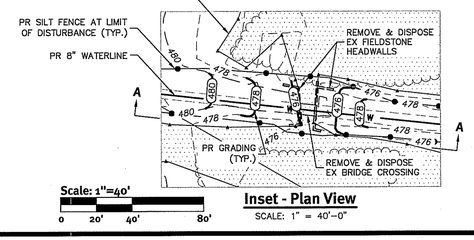
Hatch Legend:

WETLANDS AND JURISDICTIONAL BUFFERS

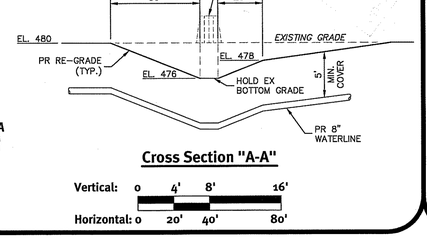
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED 9102 8 030 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
DEC 8 2015

Waterline Installation Sequence of Construction in location of Ex. Bridge Crossing:

1. BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL HAVE THE DESIGN ENGINEER INSPECT THE EXISTING CROSSING AREA.
2. CONTOURS SHALL BE RESTORED TO PROPOSED CONDITION IMMEDIATELY UPON INSTALLATION
3. ALL WORK WITHIN THE WETLANDS MUST BE UNDERTAKEN DURING THE DRY SEASON AND WHEN NO RAINFALL IS PREDICTED.
4. ALL DISTURBED AREAS MUST BE REVEGETATED AFTER RESTORING CONTOURS
5. INSTALL SILT FENCE BARRIER IN AREAS SHOWN ON THE PLAN.
6. IF NO FLOW OR STANDING WATER IS NOT PRESENT AT THE TIME OF CONSTRUCTION THERE IS NO NEED TO CONSTRUCT DIVERSION DAMS.
7. IF FLOW OR STANDING WATER IS PRESENT AT THE TIME OF CONSTRUCTION,CONSTRUCT TEMPORARY STREAM DIVERSION DAM AT INLET AND OUTLET OF WORK AREA AND INSTALL STREAM DIVERSION PIPE
8. REMOVE EXISTING BRIDGE CROSSING
9. RE GRADE AREA TO PROPOSED CONDITION
10. EXCAVATE AND INSTALL PROPOSED 8" WATER MAIN. BACKFILL WITH ORIGINAL MATERIAL
11. REMOVE TEMPORARY STREAM DIVERSION DAM AND PIPE(S)
12. RESTORE DISTURBED AREAS AND STABILIZE
13. REMOVE SILT FENCE BARRIER



Inset - Plan View
SCALE: 1" = 40'-0"



Cross Section "A-A"

Vertical: 0 4' 8' 16'
Horizontal: 0 20' 40' 80'

OCT 28 2015

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel.401-943-1000 fax.401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 7051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	Drawn By:
1.	10-27-2015	RIDEM Comments	JAR
2.	9-29-2015	Water Department Revisions	JAR
3.	8-31-2015	RIDEM Resubmission	JAR
4.	8-21-2015	RIDEM Wetlands Resubmission	JAR
5.	8-21-2015	RIDEM Wetlands Submission	JAR
6.	06-09-2015	RIDEM Wetlands Submission	JAR

Overall Plan

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005 Copyright 2015 by DiPrete Engineering Associates, Inc.

SHEET 4 OF 15

z:\dems\n\projects\0095-005 steere farm road\autocad drawings\0095-005-dsen.dwg Plotted: 10/27/2015

GENERAL NOTES

1. THE SITE IS PROPOSED TO BE SERVICED BY PUBLIC WATER AND PRIVATE ONSITE WASTEWATER TREATMENT SYSTEMS.
2. THE DRAINAGE SYSTEM MEETS THE TOWN OF BURRILLVILLE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. THE STORMWATER MANAGEMENT SYSTEM MEETS THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, DATED DECEMBER 2010.
3. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO RIDEM BEST MANAGEMENT PRACTICES.
4. ALL OPEN SPACE AREAS WHICH ARE DISTURBED BY THE CONSTRUCTION OF THE ROADWAY OR STORMWATER MANAGEMENT SHALL BE RE-VEGETATED TO MEET THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, DATED DECEMBER 2010. ALL OTHER OPEN SPACE AREAS SHALL REMAIN NATURALLY VEGETATED

DIMENSIONAL REGULATIONS (CLUSTER)

ZONING OF PARCEL	R-40 SUBURBAN RESIDENTIAL DISTRICT
GROSS AREA OF PARCEL	99.72 ACRES±
MINIMUM LOT AREA	20,000 SQ.FT.
MINIMUM "BUILDABLE AREA"	12,000 SQ.FT.
MINIMUM LOT WIDTH	75 FEET
MINIMUM LOT FRONTAGE ON A CUL-DE-SAC (reduced up to 20 percent below the required lot width)	15 FEET
MINIMUM YARD SETBACKS:	
FRONT YARD SETBACK	30 FEET
SIDE YARD SETBACK	20 FEET
REAR YARD SETBACK	30 FEET

TABLE 10-1 ROADWAY DESIGN STANDARDS – NON-VILLAGE ROADWAYS

ROW WIDTH	43 FEET
PAVEMENT WIDTH	22 FEET (2 X 11' TRAVEL LANES)
MINIMUM RADIUS OF CENTERLINE CURVE	150 FEET

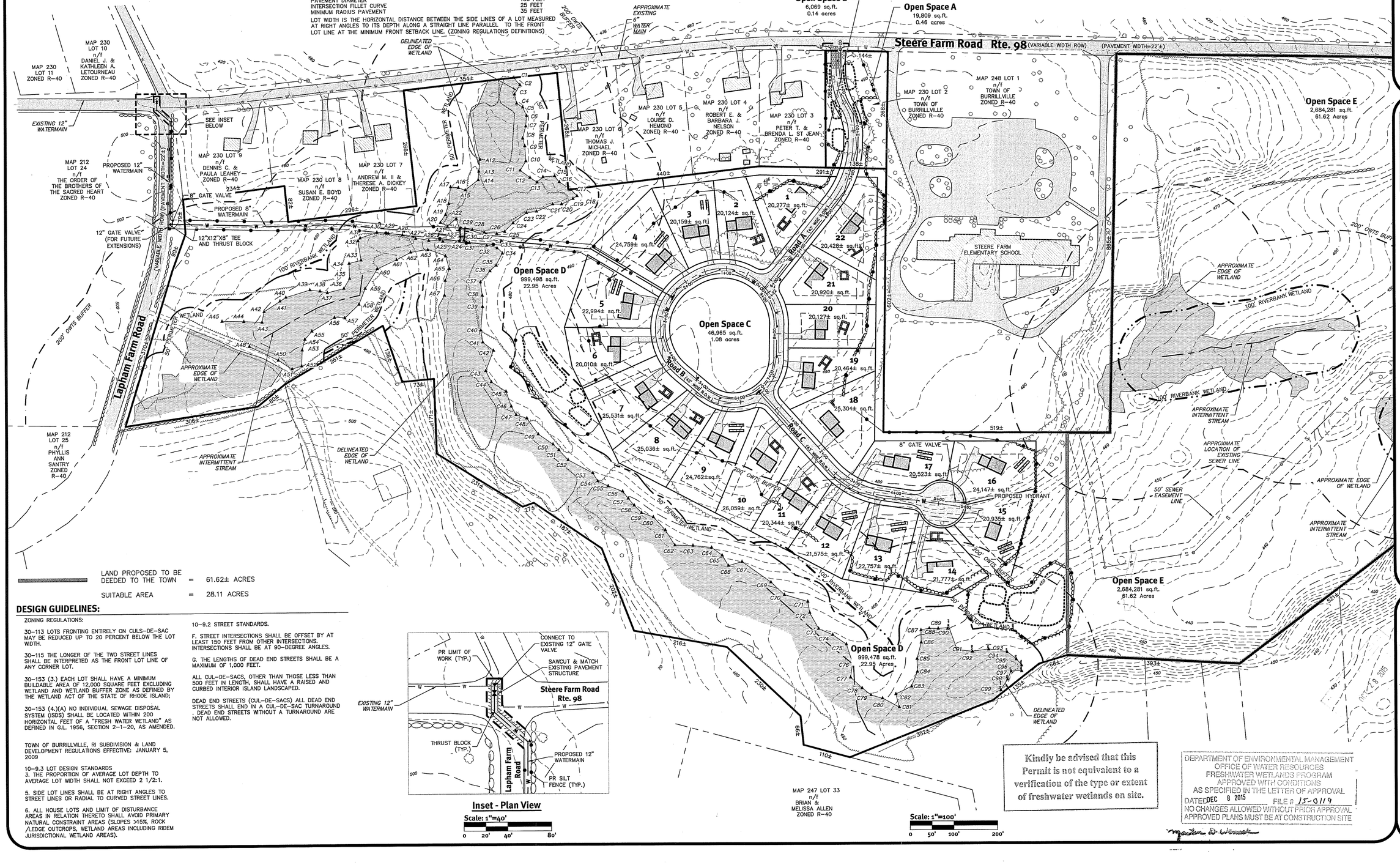
CUL-DE-SACS:

ROW BULB DIAMETER	110 FEET
PAVEMENT DIAMETER	100 FEET
INTERSECTION FILLET CURVE	25 FEET
MINIMUM RADIUS PAVEMENT	35 FEET

LOT WIDTH IS THE HORIZONTAL DISTANCE BETWEEN THE SIDE LINES OF A LOT MEASURED AT RIGHT ANGLES TO ITS DEPTH ALONG A STRAIGHT LINE PARALLEL TO THE FRONT LOT LINE AT THE MINIMUM FRONT SETBACK LINE. (ZONING REGULATIONS DEFINITIONS)

DEVELOPMENT DATA (CLUSTER)

GROSS AREA OF PARCEL	99.72 ACRES
NUMBER OF BUILDABLE LOTS	22 LOTS
TOTAL AREA OF BUILDABLE LOTS	11.25 ACRES
AVERAGE LOT AREA	0.51 ACRES±
AREA OF RIGHT-OF-WAY	2.14 ACRES
TOTAL LENGTH OF ROADWAY	2,098 LF±
OPEN SPACE:	
TOTAL AREA OF SITE	99.72 ACRES
OPEN SPACE REQUIRED (50% OF TOTAL SITE)	49.86 ACRES REQUIRED (86.25 (86%) ACRES PROPOSED)
MINIMUM REQUIRED OPEN SPACE WITHOUT ENVIRONMENTAL CONSTRAINS (25% OF OPEN SPACE)	12.46 ACRES REQUIRED (35.71 (71%) ACRES PROPOSED)



LAND PROPOSED TO BE DEEDED TO THE TOWN = 61.62± ACRES

SUITABLE AREA = 28.11 ACRES

DESIGN GUIDELINES:

ZONING REGULATIONS:

30-113 LOTS FRONTING ENTIRELY ON CULS-DE-SAC MAY BE REDUCED UP TO 20 PERCENT BELOW THE LOT WIDTH.

30-115 THE LONGER OF THE TWO STREET LINES SHALL BE INTERPRETED AS THE FRONT LOT LINE OF ANY CORNER LOT.

30-153 (3.) EACH LOT SHALL HAVE A MINIMUM BUILDABLE AREA OF 12,000 SQUARE FEET EXCLUDING WETLAND AND WETLAND BUFFER ZONE AS DEFINED BY THE WETLAND ACT OF THE STATE OF RHODE ISLAND;

30-153 (4.)(A) NO INDIVIDUAL SEWAGE DISPOSAL SYSTEM (ISDS) SHALL BE LOCATED WITHIN 200 HORIZONTAL FEET OF A "FRESH WATER WETLAND" AS DEFINED IN G.L. 1956, SECTION 2-1-20, AS AMENDED.

TOWN OF BURRILLVILLE, RI SUBDIVISION & LAND DEVELOPMENT REGULATIONS EFFECTIVE: JANUARY 5, 2009

10-9.3 LOT DESIGN STANDARDS
3. THE PROPORTION OF AVERAGE LOT DEPTH TO AVERAGE LOT WIDTH SHALL NOT EXCEED 2 1/2:1.

5. SIDE LOT LINES SHALL BE AT RIGHT ANGLES TO STREET LINES OR RADIAL TO CURVED STREET LINES.

6. ALL HOUSE LOTS AND LIMIT OF DISTURBANCE AREAS IN RELATION THERETO SHALL AVOID PRIMARY NATURAL CONSTRAINT AREAS (SLOPES >15%, ROCK /LEDGE OUTCROPS, WETLAND AREAS INCLUDING RIDEM JURISDICTIONAL WETLAND AREAS).

10-9.2 STREET STANDARDS.

F. STREET INTERSECTIONS SHALL BE OFFSET BY AT LEAST 150 FEET FROM OTHER INTERSECTIONS. INTERSECTIONS SHALL BE AT 90-DEGREE ANGLES.

G. THE LENGTHS OF DEAD END STREETS SHALL BE A MAXIMUM OF 1,000 FEET.

ALL CUL-DE-SACS, OTHER THAN THOSE LESS THAN 500 FEET IN LENGTH, SHALL HAVE A RAISED AND CURBED INTERIOR ISLAND LANDSCAPED.

DEAD END STREETS (CUL-DE-SACS) ALL DEAD END STREETS SHALL END IN A CUL-DE-SAC TURNAROUND . DEAD END STREETS WITHOUT A TURNAROUND ARE NOT ALLOWED.

Inset - Plan View

Scale: 1"=40'

0 20' 40' 80'

Scale: 1"=100'

0 50' 100' 200'

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 DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Marlon D. Wenck

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN No. 10051 REGISTERED PROFESSIONAL ENGINEER CIVIL

No.	Date	Description	Drawn By
5	10-27-2015	RIDEM Comments	DAR
4	9-28-2015	Water Department Revisions	DAR
3	8-27-2015	RIDOT Resubmission	MSC
2	8-27-2015	RIDOT Resubmission	MSC
1	8-27-2015	RIDEM Wetlands Resubmission	MSC
	6-24-2015	Preliminary Plans Submission	DAR

Drawn By: JAR

Site Plan

Steere Farm Village

Plat 247 Lot 11 & Plat 230 Lot 2
Burrillville, Rhode Island

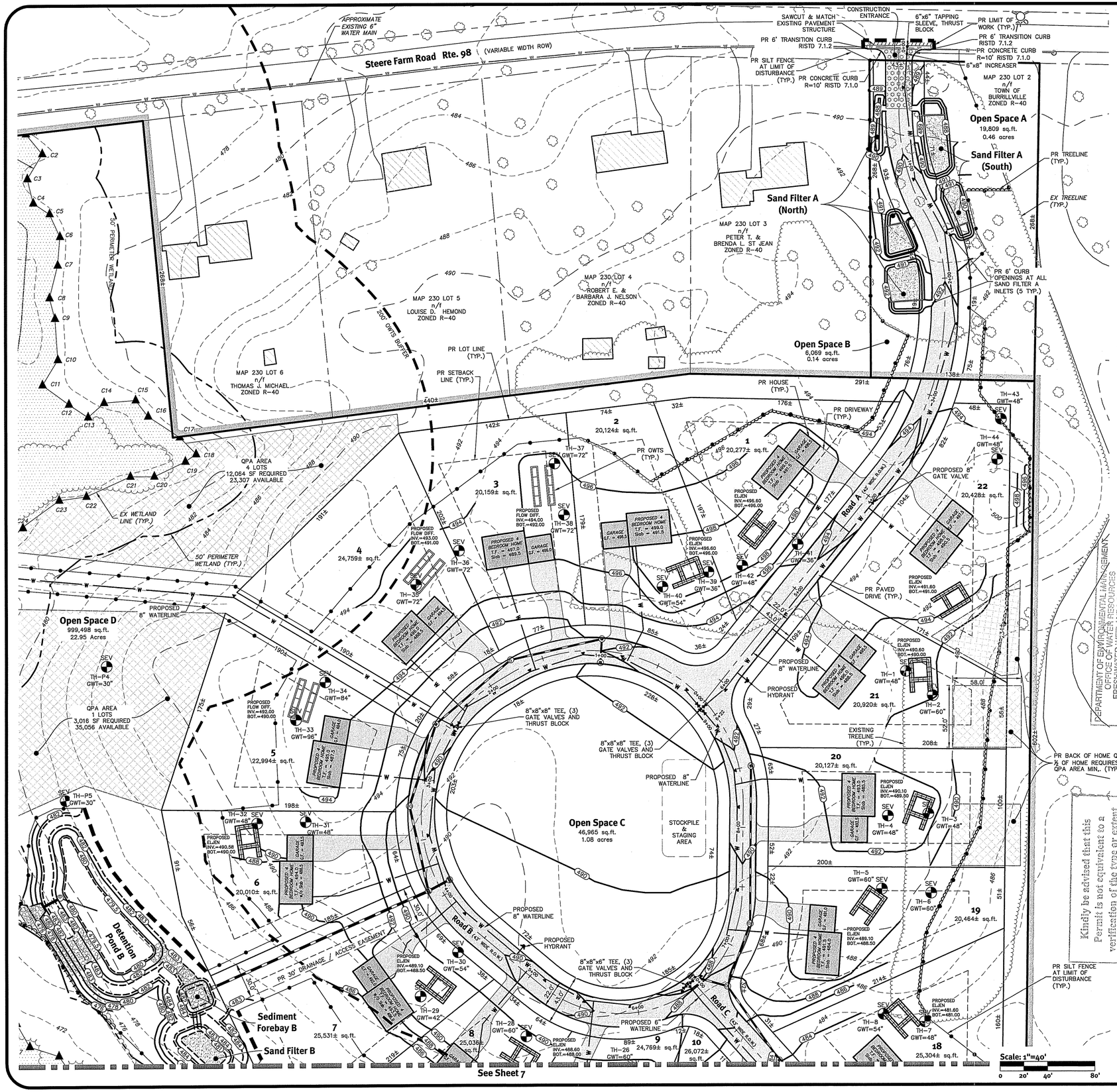
Owner
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 5 OF 15

DE Job No: 0095-005

Copyright 2015 by DiPrete Engineering Associates, Inc.

z:\deman\projects\0095-005 steere farm road\autocad drawings\0095-005-dsn.dwg Plotted: 10/27/2015



General Notes:

1. THE SITE IS LOCATED ON THE TOWN OF BURRILLVILLE ASSESSOR'S PLAT 247 LOT 11 & ASSESSORS PLAT 230 LOT 2.
2. THE SITE IS APPROXIMATELY 99.72± ACRES AND IS ZONED R–40.
3. THE OWNER OF AP 247 LOT 11 IS: STEERE FARM VILLAGE, LLC P.O. BOX 805 CHEPACHET, RI 02814
   THE OWNER OF AP 230 LOT 2 IS: TOWN OF BURRILLVILLE 105 HARRISVILLE MAIN STREET HARRISVILLE RI 02830
4. THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44007C0135G AND 44007C0145G, MAP REVISED MARCH 2, 2009.
5. 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. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.
6. SOIL MAPPING OBTAINED FROM SOIL SURVEY OF RHODE ISLAND, PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
7. THE SITE IS NOT WITHIN A:
   NATURAL HERITAGE AREAS (RIDEM)
   HISTORIC DISTRICT (TOWN OF BURRILLVILLE)
8. THE SITE IS WITHIN GROUNDWATER RESOURCE AREA "GAA". GROUNDWATER CLASSIFIED "GAA" ARE THOSE GROUNDWATER RESOURCES THAT ARE KNOWN OR PRESUMED TO BE SUITABLE FOR DRINKING WATER USE WITHOUT TREATMENT (PER RIDEM).
9. THE SITE IS SUBSTANTIALLY WITHIN AN "A–80 AQUIFER OVERLAY DISTRICT" AND PARTIALLY WITHIN A "NON COMMUNITY WELL HEAD AREA" AS DESIGNATED BY THE TOWN OF BURRILLVILLE, RI.
10. THE SITE IS LOCATED IN THE CHEPACHET RIVER SURFACE WATERSHED 01090030203 PER RIDEM.
11. THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE PROJECT PLANS AND THE CONTRACTOR/ OWNER MUST MAINTAIN THESE DOCUMENTS AS PART OF A FULL PLAN SET:
    - SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC). THE SESC CONTAINS THE FOLLOWING:
      - EROSION CONTROL MEASURES
      - SHORT TERM MAINTENANCE
      - ESTABLISHMENT OF VEGETATIVE COVER
      - CONSTRUCTION POLLUTION PREVENTION
      - SEQUENCE OF CONSTRUCTION
    - OPERATIONS AND MAINTENANCE PLAN (O&M). THE O&M CONTAINS THE FOLLOWING:
      - LONG TERM MAINTENANCE
      - LONG TERM POLLUTION PREVENTION
12. THIS PLAN SET REFERENCES RIDOT STANDARD DETAILS (DESIGNATED AS RIDOT STD X.X.X.). RIDOT STANDARD DETAILS ARE AVAILABLE FROM RIDOT AND ONLINE AT: HTTP://WWW.TMC.DOT.RI.GOV/DOCUMENTS/DOINGBUSINESS/RIDOT_BRIDGE_STANDARDS.PDF
13. TRAFFIC CONTROL MEASURES DURING CONSTRUCTION TO BE IN ACCORDANCE WITH THE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES), LATEST EDITION INCLUDING ALL REVISIONS.
14. THE SITE IS TO BE SERVICED BY PUBLIC WATER AND PRIVATE OWTS.
15. PROPOSED RIGHTS OF WAY ARE TO BE 43' WIDE WITH 22' WIDE PAVEMENT (11' TRAVEL LANES).
16. THE DRAINAGE SYSTEM MEETS THE BURRILLVILLE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WITH THE USE OF CATCH BASINS, CULVERTS, AND DRAINAGE BASINS. THE STORMWATER MANAGEMENT SYSTEM MEETS THE RIDEM BEST MANAGEMENT PRACTICES.
17. THE SITE IS PROPOSED TO BE BUILT IN 1 PHASE AND HOMES ARE PROPOSED TO BE 4 BEDROOMS.
18. TEST PITS AND SOIL EVALUATIONS WERE COMPLETED BY DIPRETE ENGINEERING ON 12/19/2014.

Grading and Utility Notes:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ONSITE. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER, THE DIRECTOR OF PUBLIC WORKS, THE TOWN ENGINEER, AND RI DEPT. OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. CONSTRUCTION TO COMMENCE FALL 2015 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
3. ALL WORK PERFORMED HEREIN SHALL BE GOVERNED BY THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND TOWN OF BURRILLVILLE STANDARD SPECIFICATIONS AND DETAILS.
4. SEQUENCE OF CONSTRUCTION SHOWN IN SESC MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
5. 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 DIPRETE ENGINEERING THAT UTILITY SERVICE IS AVAILABLE.
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.
7. ALL PROPOSED UTILITIES SERVING THE SITE AND BUILDINGS TO BE COORDINATED WITH APPLICANT, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
8. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION INCLUDING ALL REVISIONS.
9. ALL COMPONENTS OF THE DRAINAGE, SEWER AND WATER SYSTEMS MUST BE ASBUILT PRIOR TO COVERING. ENGINEER TO BE NOTIFIED PRIOR TO COVERING TO SURVEY ASBUILT LOCATIONS. ENGINEER WILL NOT ACCEPT FIELD MEASUREMENTS FROM THE SITE CONTRACTOR.
10. NO STOCKPILING OF MATERIAL TO BE LOCATED IN THE RIGHT OF WAY AND NO OPEN TRENCHES ARE TO BE LEFT OVERNIGHT.
11. ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE.
12. ALL EXCESS SOIL, TREES, ROCKS, BOULDERS, AND OTHER REFUSE, SHALL BE DISCARDED OFF SITE IN AN ACCEPTABLE MANNER AT AN APPROVED LOCATION. STUMPS SHALL BE GROUND ONSITE OR REMOVED.
13. NO STUMP DUMPS ARE PROPOSED ONSITE.
14. ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFOREMENTIONED PLANS OF RECORD AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS SHALL BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. CALL THE DIG SAFE CENTER TOLL FREE AT 1–888–344–7233 IN MA, ME, NH, RI & VT, PRIOR TO EXCAVATION. NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE SHALL BE THE SITE CONTRACTORS RESPONSIBILITY.
15. IF CONCRETE TRUCKS ARE WASHED OUT ONSITE, ALL WASHOUT MUST BE COMPLETED IN THE DESIGNATED CONCRETE WASHOUT AREA.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT. 21, 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

OCT 28 2015

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN — No. 7051 — 10-27-15 — REGISTERED PROFESSIONAL ENGINEER CIVIL

No.	Date	Description	By
1.	10-27-2015	RIDEM Comments	DAR
2.	9-29-2015	Water Department Revisions	JAC
3.	9-17-2015	RIDOT Resubmission	MSC
4.	8-25-2015	RIDOT Resubmission	MSC
5.	8-12-2015	RIDEM Wetlands Resubmission	MSC
6.	06-09-2015	RIDEM Wetlands Submission	JAR

Drawn By: JAR

Grading & Utility Plan - 1

Steere Farm Village
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

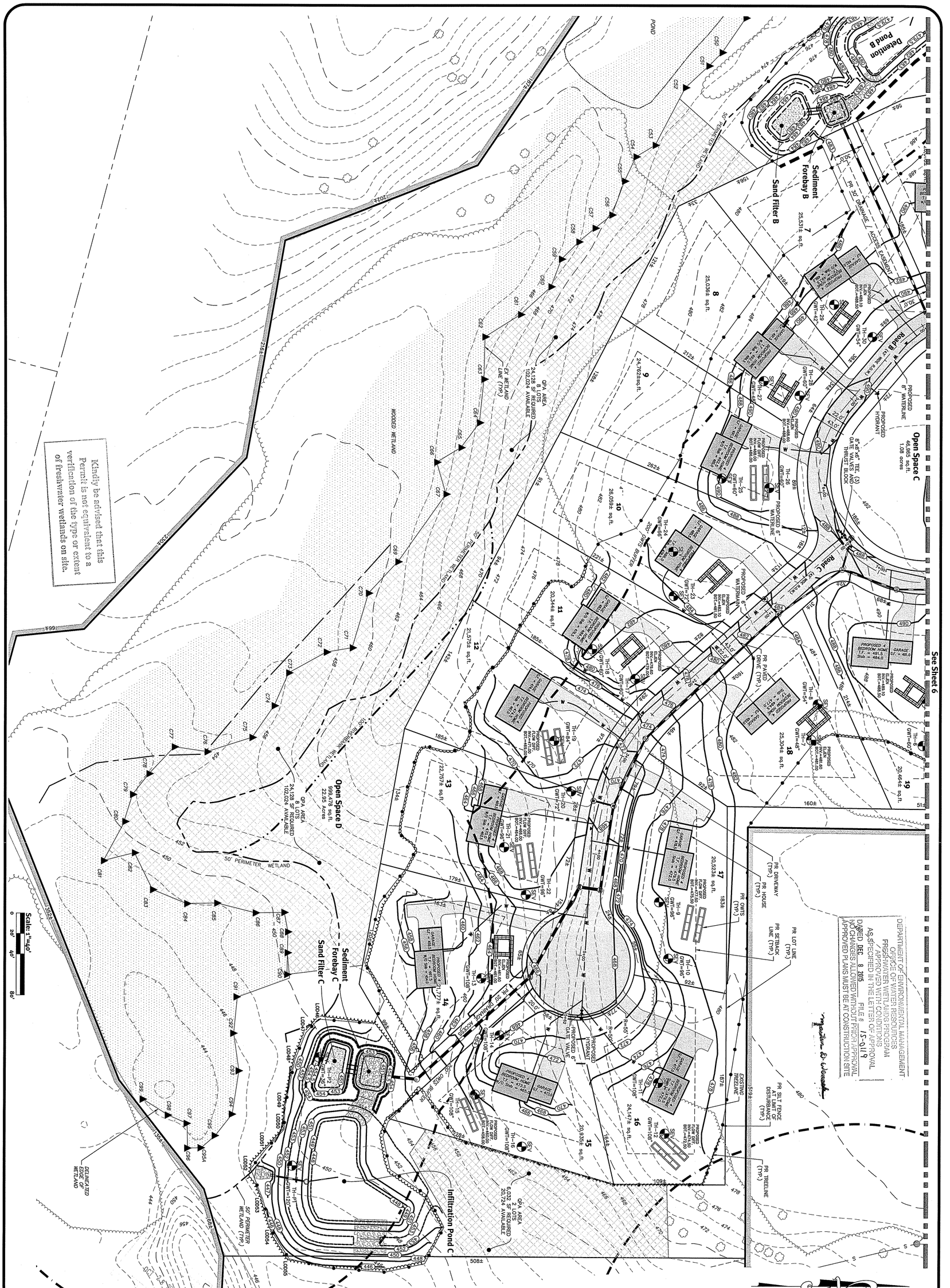
Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005 Copyright 2015 by DiPrete Engineering Associates, Inc.

SHEET 6 OF 15

z:\domain\projects\0095-005 steere farm road\autocad drawings\0095-005-desn.dwg Plotted: 10/27/2015

z:\demain\projects\0095-005 steere farm road\autocad drawings\0095-005-desn.dwg Plotted: 10/27/2015



SHEET 7 OF 15

Grading & Utility Plan - 2

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

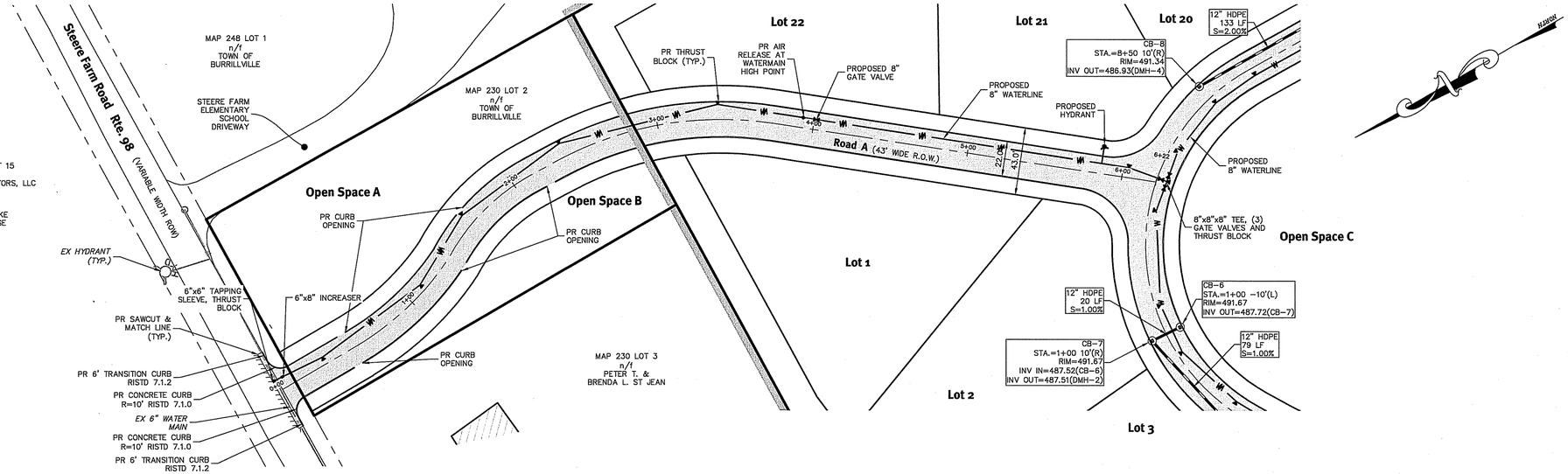
No.	Date	Description	By:
5	10-27-2015	RIDEM Comments	DAR
4	9-30-2015	Water Department Revisions	JAC
3	9-17-2015	RIDOT Resubmission	MSC
2	8-22-2015	RIDOT Resubmission	MSC
1	8-17-2015	RIDEM Wetlands Resubmission	MSC
0	06-12-2015	RIDEM Wetlands Submission	JAR

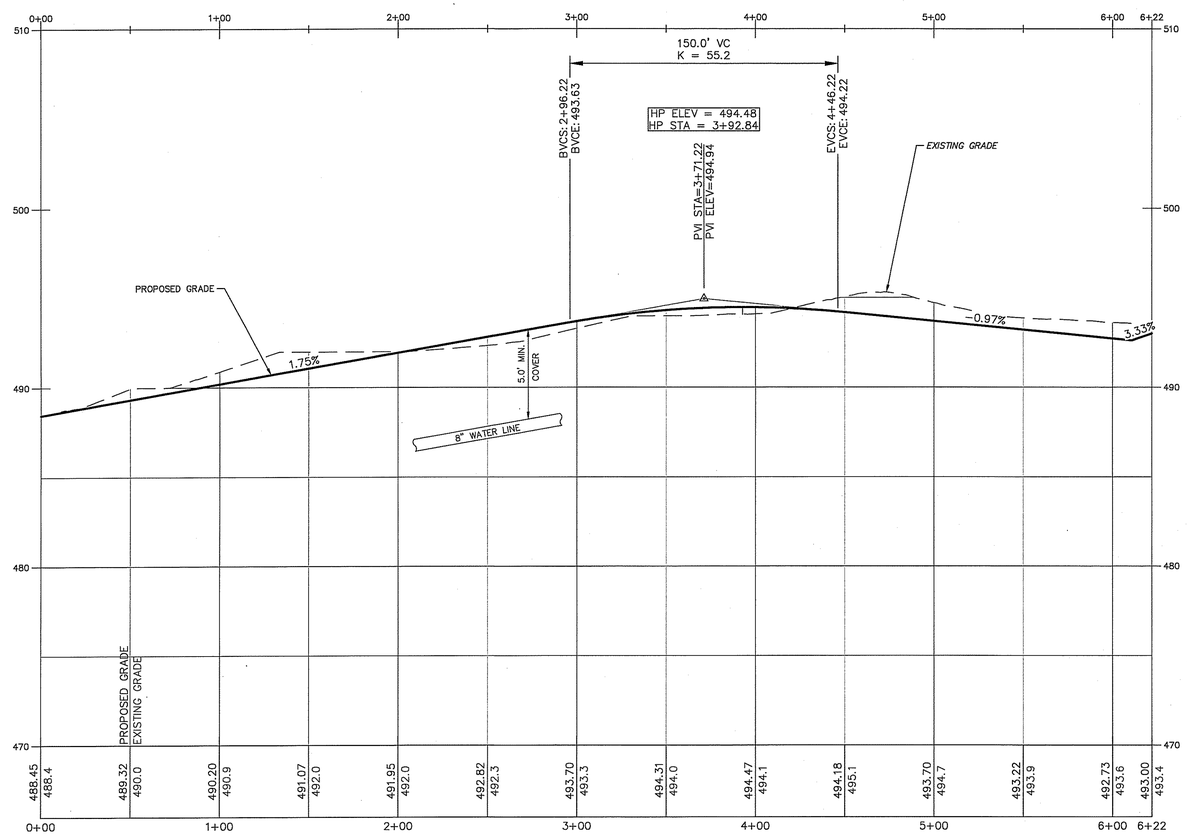
Drawn By: JAR

KEVIN C. MORIN
No. 10051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

DE Job No: 0095-005 Copyright 2015 by DiPrete Engineering Associates, Inc.





Sta. 0+00 To 6+22

Typical Road Construction

NOT TO SCALE

Vertical: 0 2' 4' 8'

Horizontal: 0 20' 40' 80'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

OCT 28 2015

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 7051
10-27-15
REGISTERED
PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By:
5	10-27-2015	RIDEM Comments	DAR
4	9-29-2015	Water Department Revisions	JAC
3	8-27-2015	RIDOT Resubmission	MSC
2	8-24-2015	RIDEM Resubmission	MSC
1	8-17-2015	RIDEM Wetlands Resubmission	MSC
0	06-29-2015	RIDEM Wetlands Submission	MSC

Drawn By: JAR

Plan & Profile - 1

Steere Farm Village

Ap. 24 / Lot 11 & Ap. 230 Lot 2
Burrillville, Rhode Island

Client

Steere Farm Village, LLC

P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005 Copyright 2015 by DiPrete Engineering Associates, Inc.

SHEET 8 OF 15

z:\dems\in\projects\0095-005 steere farm road\autocad drawings\0095-005-dsn.dwg Plotted: 10/27/2015

Sta. 0+00 To 9+14

Vertical: 0 2' 4' 8'

Horizontal: 0 20' 40' 80'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

OCT 28 2015

No.	Date	Description	By:
5	10-27-2015	RIDEM Comments	DJR
4	9-29-2015	Water Department Revisions	DJC
3	9-17-2015	RIDOT Resubmission	MSC
2	8-26-2015	RIDOT Resubmission	MSC
1	8-12-2015	RIDEM Wetlands Resubmission	DJC
0	06-09-2015	RIDEM Wetlands Submission	DJR

Drawn By: JAR

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 7051
REGISTERED PROFESSIONAL ENGINEER
CIVIL

Plan & Profile - 2

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 9 OF 15

DE Job No: 0095-005 Copyright 2015 by DiPrete Engineering Associates, Inc.

z:\domain\projects\0095-005 steere farm road\autocad drawings\0095-005-d&en.dwg Plotted: 10/27/2015

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

RECEIVED
OCT 28 2015
COASTAL RESOURCES MGMT. COUNCIL

Vertical: 0 2' 4' 8'
Horizontal: 0 20' 40' 80'

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 7051
10-27-15
REGISTERED
PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By
5	10-27-2015	RIDEM Comments	DAB
4	9-29-2015	Water Department Revisions	JAC
3	9-17-2015	RIDOT Resubmission	MSC
2	8-17-2015	RIDEM Wetlands Resubmission	MSC
1	8-17-2015	RIDEM Wetlands Resubmission	MSC
0	06-09-2015	RIDEM Wetlands Submission	JAR

Drawn By: JAR

Plan & Profile - 3

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

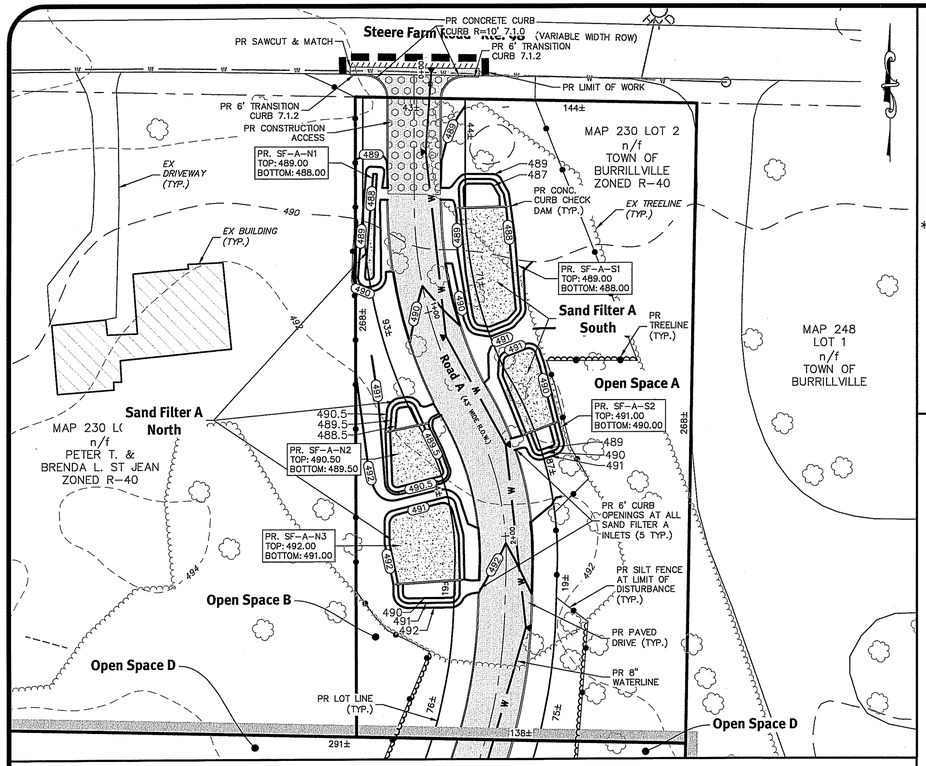
Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005

Copyright 2015 by DiPrete Engineering Associates, Inc.

SHEET 10 OF 15

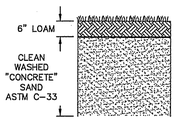
z:\dems\n\projects\0095-005 steere farm road\autocad drawings\0095-005-desn.dwg Plotted: 10/27/2015



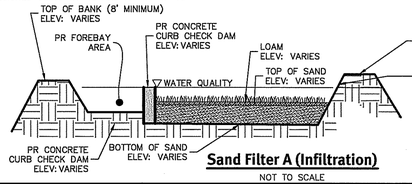
Sand Filter A

DESCRIPTION	SF-A-N1	SF-A-N2	SF-A-N3	SF-A-S1	SF-A-S2
AVAILABLE STORAGE ELEVATION	489.00	490.50	492.00	489.00	491.00
100 YEAR STORM ELEVATION	488.37	489.87	491.37	488.56	490.56
10 YEAR STORM ELEVATION	486.18	487.68	489.18	486.26	488.26
1 YEAR STORM ELEVATION	486.00	487.50	489.00	486.00	488.00
OUTLET ELEVATION	489.00	490.50	492.00	489.00	491.00
TOP OF BANK	490.00	491.00	493.00	490.00	492.00
SAND & LOAM DEPTH	2.0 FT	2.0 FT	2.0 FT	2.0 FT	2.0 FT
TOP OF LOAM	488.00	489.50	491.00	488.00	490.00
BOTTOM OF SAND	486.00	487.50	489.00	486.00	488.00
SEASONAL HIGH GWT ELEVATION	486.00	487.50	489.00	486.00	488.00
CONC. CURB CHECK DAMN ELEV.	NONE	490.00	491.5	488.50	490.50
SOIL EVALUATION	*	*	*	*	*

* DESIGNED USING TH-43 AND A GWT OF 48"

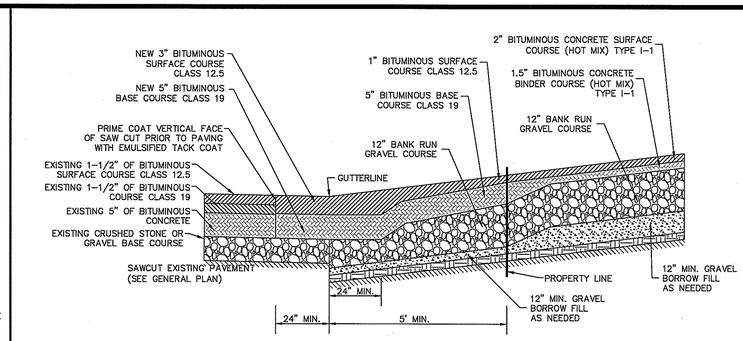


TYPICAL SECTION



Sand Filter A (Infiltration)

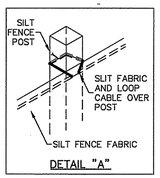
NOT TO SCALE



Sawcut & Match for State R.O.W.

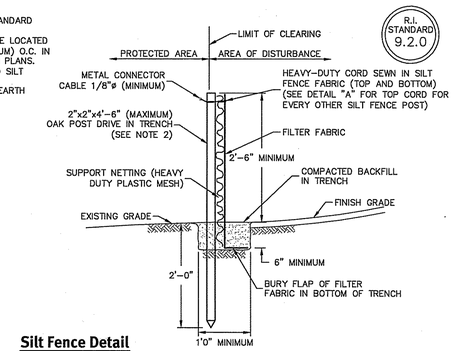
NOT TO SCALE

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. 2"x2"x4'-6" (MAXIMUM) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAXIMUM) O.C. IN WETLAND AREAS AND 4'-0" (MAXIMUM) O.C. IN WETLAND RAVINE. GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
3. 1"x1"x4'-6"(MINIMUM) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.



DETAIL "A"

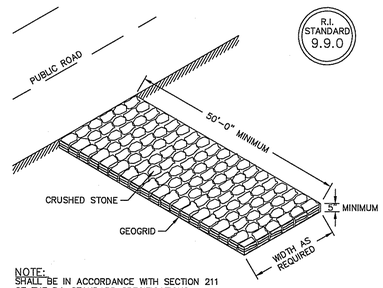
R.I. STANDARD 9.2.0



Silt Fence Detail

NOT TO SCALE

R.I. STANDARD 9.9.0



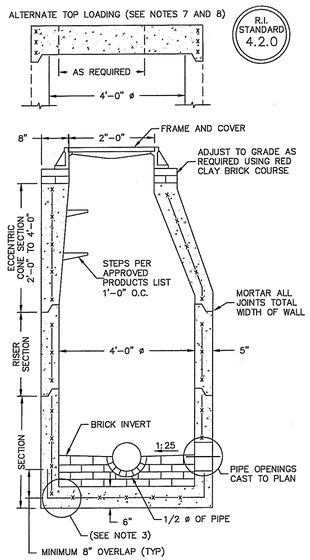
NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

Construction Access

NOT TO SCALE

ALTERNATE TOP LOADING (SEE NOTES 7 AND 8)

R.I. STANDARD 4.2.0

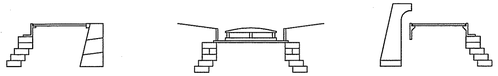


NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQUARE INCH/LIN. FOOT MINIMUM.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQUARE INCH/LIN. FOOT (BOTH WAYS).
4. ONE POUR MONOLITHIC BASE SECTION.
5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAWCUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
6. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
7. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
8. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
9. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

Precast 4'-0" Round Manhole

NOT TO SCALE

STANDARD 4.4.0



TYPE CATCH BASIN AS REQUIRED

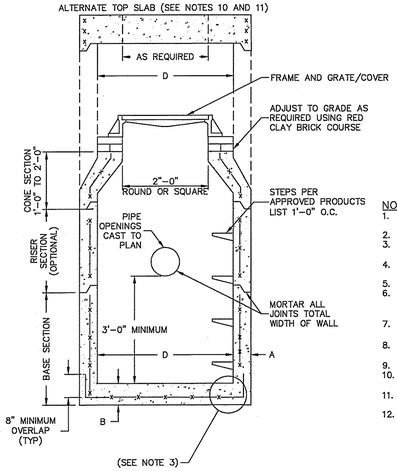


TABLE 1			
CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4'-0"	5"	6"	0.12 SQ. IN./LIN. FT.
5'-0"	6"	7"	0.15 SQ. IN./LIN. FT.
6'-0"	7"	8"	0.18 SQ. IN./LIN. FT.

* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

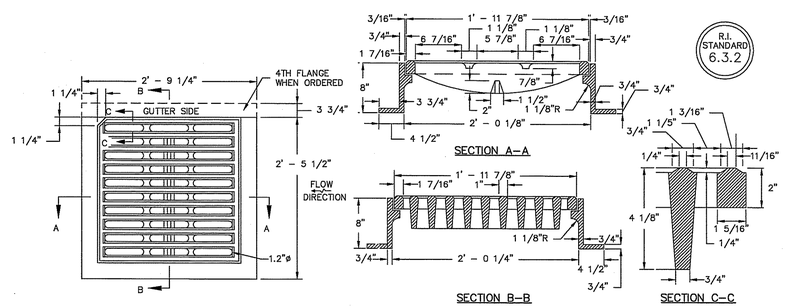
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQUARE INCH/LIN. FOOT (BOTH WAYS).
4. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
5. ONE POUR MONOLITHIC BASE SECTION.
6. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAWCUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
7. CORBEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0" CATCH BASIN ONLY.
8. FOR CATCH BASIN TYPES "D" AND "F" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
9. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
10. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
11. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
12. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Precast Round Catch Basin

NOT TO SCALE

R.I. STANDARD 6.3.2



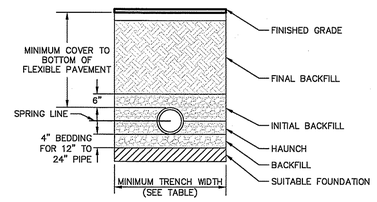
Square Frame And Grate (Bicycle Safe)

NOT TO SCALE

INSTALLATION NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS, LATEST ADDITION.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100MM) FOR 4"-24" (100MM-600MM); 6" (150MM) FOR 30"-60" (750MM-900MM).
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" ø PIPE AND 24" OF COVER FOR 54"-60" ø PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

PIPE ø	MINIMUM TRENCH WIDTH
6"	23"
8"	26"
12"	30"
15"	34"
24"	39"



HDPE Trench Detail

NOT TO SCALE

OCT 28 2015

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401.943.5000 fax 401.464.6806 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 7051
10-27-15
REGISTERED
PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By:
5	10-27-2015	RIDEM Comments	DAR
4	9-22-2015	RIDEM Comments/Revisions	MSC
3	8-27-2015	RIDOT Resubmission	MSC
2	8-12-2015	RIDOT Resubmission	MSC
1	6-26-2015	RIDEM Wetlands Submission	JAR
0	06-02-2015	RIDEM Wetlands Submission	JAR

Drawn By: JAR

Detail Sheet - 1

Steere Farm Village

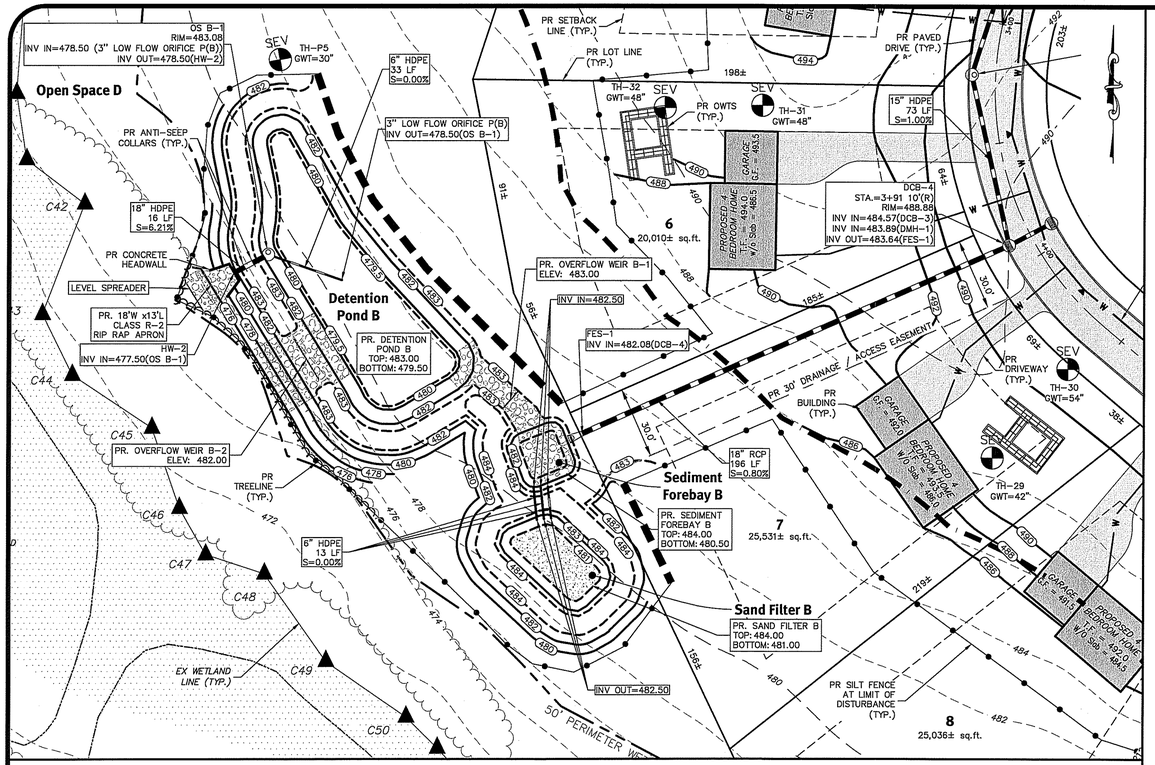
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 11 OF 15

DE Job No: 0095-005 Copyright 2015 by DiPrete Engineering Associates, Inc.

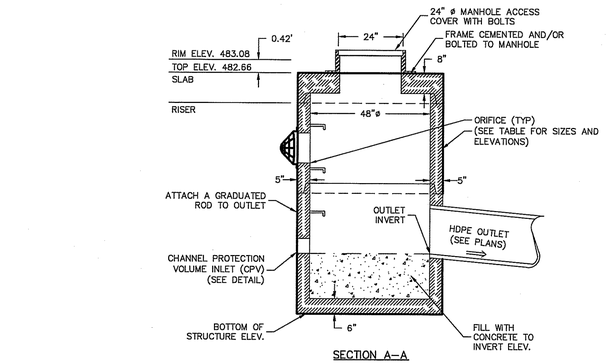
z:\clients\projects\0095-005 steere farm road\autocad drawings\0095-005-details.dwg Plotted: 10/27/2015



Detention Pond B

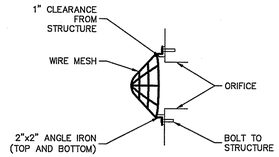
Scale: 1"=30'

0 15' 30' 60'

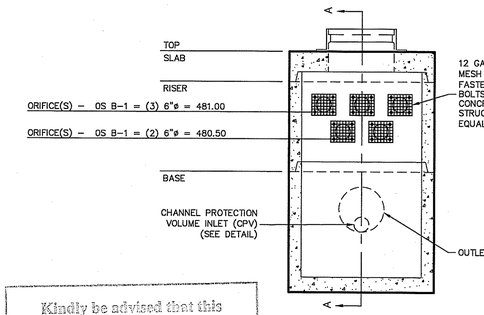


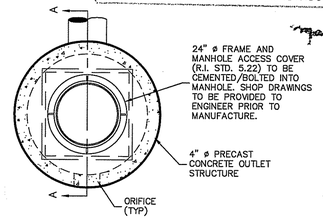
SECTION A–A

NOTE:
ALL 2" WEEP HOLES USED TO PLACE STRUCTURE MUST BE FILLED WITH CONCRETE.



TRASH RACK DETAIL





TOP VIEW

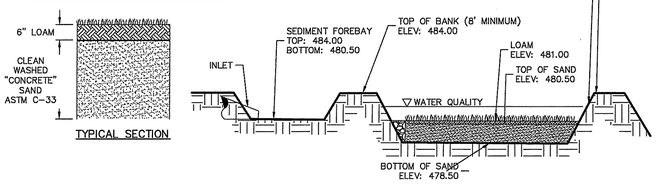
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

4' Diameter Outlet Structure - OS B-1

NOT TO SCALE

DESCRIPTION	SF–B
AVAILABLE STORAGE ELEVATION	484.00
100 YEAR STORM ELEVATION	483.58
10 YEAR STORM ELEVATION	483.10
1 YEAR STORM ELEVATION	480.56
OUTLET ELEVATION	–
TOP OF BANK	484.00
SAND & LOAM DEPTH	2.5'
SEASONAL HIGH GWT ELEVATION	476.50
SOIL EVALUATION TH–P5	30"



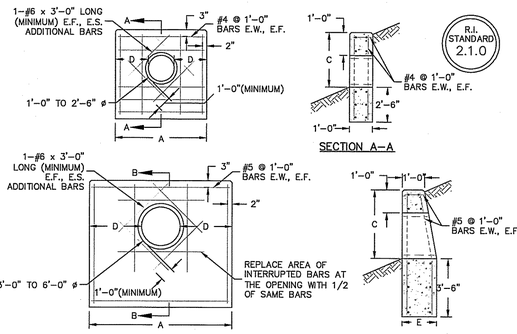
TYPICAL SECTION

Sand Filter B (Infiltration)

NOT TO SCALE

ø OF PIPE	A	C	D	E	CU. FT. CONCRETE
1'–0"	3'–0"	2'–2"	1'–0"	–	13.2
1'–3"	3'–9"	2'–5"	1'–3"	–	17.2
1'–6"	4'–6"	2'–8"	1'–6"	–	21.5
1'–9"	5'–3"	2'–11"	1'–9"	–	26.0
2'–0"	6'–0"	3'–2"	2'–0"	–	30.9
2'–3"	6'–9"	3'–6"	2'–3"	–	36.5
2'–6"	7'–6"	3'–9"	2'–6"	–	42.0
3'–0"	9'–6"	4'–0"	3'–3"	1'–5"	84.1
3'–6"	11'–0"	4'–6"	3'–9"	1'–7"	111.8
4'–0"	12'–8"	5'–0"	4'–4"	1'–9"	146.5
4'–6"	14'–4"	5'–6"	4'–11"	1'–11"	186.3
5'–0"	16'–0"	6'–0"	5'–6"	2'–1"	232.6
5'–6"	17'–8"	6'–6"	6'–1"	2'–3"	284.9
6'–0"	19'–4"	7'–0"	6'–8"	2'–5"	343.6

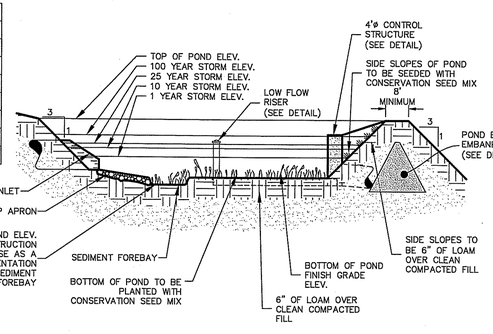
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 709 OF THE R.I. STANDARD SPECIFICATIONS.
2. 3/4" CHAMFER ON ALL EXPOSED EDGES.
3. 1'–0" COMPACTED GRAVEL UNDER HEADWALL.
4. ALL REINFORCING BARS SHALL BE EPOXY COATED.



Concrete Headwalls For Pipe Culverts

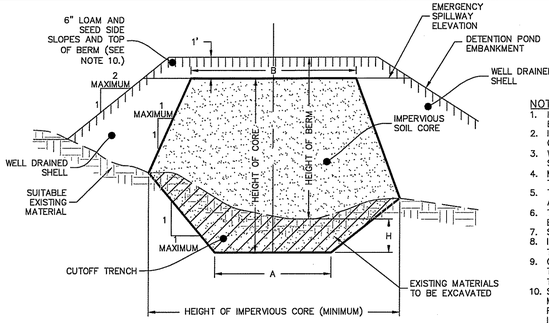
NOT TO SCALE

DESCRIPTION	POND B
TOP OF POND ELEVATION	483.00
BOTTOM OF POND	479.50
100 YEAR STORM ELEVATION	482.05
25 YEAR STORM ELEVATION	480.88
10 YEAR STORM ELEVATION	480.16
1 YEAR STORM ELEVATION	479.50
SEASONAL HIGH GWT ELEVATION	477.50
SOIL EVALUATION TH–P5	30"



Detention Pond B - Typical Cross Section

NOT TO SCALE



Pond Earthen Embankment

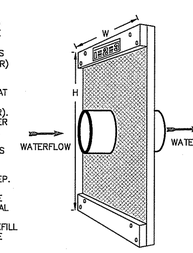
NOT TO SCALE

BERM HEIGHT (FT)	TOP WIDTH OF CORE – B (FT)
0–6.5	8.2
6.6–9.8	9.2
9.9–13.1	9.8
13.2–16.4	10.8
16.5–19.7	11.5

NOTES:
1. IMPERVIOUS SOIL CORE TO BE PROVIDED FOR ALL DETENTION POND EMBANKMENTS.
2. IMPERVIOUS SOIL CORE TO BE CONSTRUCTED OF MATERIAL CONSISTING OF SILT OR <200 SOIL.
3. WELL DRAINED SHELL TO BE CONSTRUCTED OF GRAVEL AND/OR SAND WITH LESS THAN 5% PASSING THE #200 SIEVE.
4. MINIMUM DEPTH OF CUTOFF TRENCH (H) SHALL BE 3/4 OF THE TOTAL BERM HEIGHT.
5. THE IMPERVIOUS CORE AT A MINIMUM SHALL EXTEND UP BOTH ABUTMENTS TO THE EMERGENCY SPILLWAY ELEVATION.
6. THE MINIMUM BOTTOM WIDTH (A) SHALL BE 5'–8', AND WIDE ENOUGH TO PERMIT OPERATION OF COMPACTION EQUIPMENT.
7. SIDE SLOPES OF THE TRENCH SHALL BE NO STEEPER THAN 1:1.
8. IF BEDROCK IS ENCOUNTERED BELOW THE DAM THE CUT OFF TRENCH CAN BE REDUCED TO 1'x1' (Ash)
9. COMPACTION REQUIREMENTS FOR THE SHELL AND IMPERVIOUS CORE TO BE 95% OF THE MODIFIED PROCTOR PER ASTM D1557. ALL FILL TO BE PLACED IN LIFTS NOT EXCEEDING 12".
10. SIDE SLOPE OF DETENTION POND EMBANKMENT TO BE 2:1 MAXIMUM. IF SIDE SLOPES ARE STEEPER THAN 3:1, SLOPE PROTECTION MUST BE UTILIZED ON POND EMBANKMENT. THIS INCLUDES, BUT NOT LIMITED TO, RIPRAP AND EROSION CONTROL MATS.
11. THE IMPERVIOUS CORE SHALL BE KEPT FREE FROM STANDING WATER DURING THE BACKFILL OPERATION.
12. ALL EMBANKMENTS TO BE DESIGNED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. ALL EMBANKMENT INSTALLATIONS TO BE SUPERVISED BY A GEOTECHNICAL ENGINEER.

LOCATION	WIDTH	HEIGHT	QUANTITY
DETENTION BASIN B	4.0	4.0	2

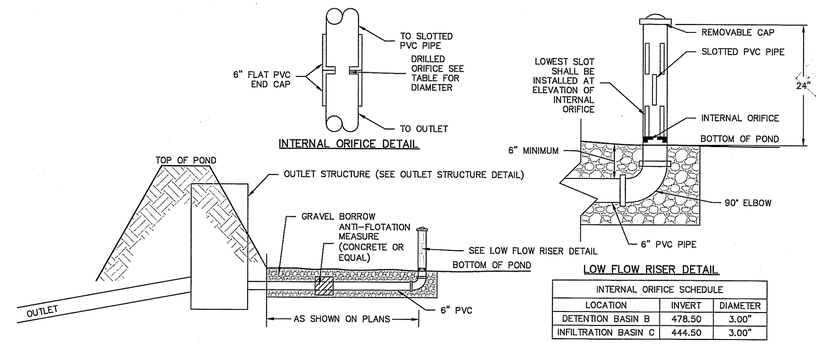
INSTALLATION NOTES:
1. UNROLL THE ANTI–SEEP AND ATTACH THE BOARDS TO THE EDGES TO FORM A SQUARE. (USE THE BOARDS AND NAILS PROVIDED.)(4'X4' AND LARGER)
2. CUT A ROUND HOLE IN THE CENTER OF THE RUBBER THAT IS SMALLER THAN THE PIPE SIZE (APPROX. 25% SMALLER). THIS WILL ALLOW THE RUBBER TO STRETCH OVER THE PIPE WHEN THE ANTI–SEEP IS INSTALLED ON THE PIPE. THIS SHOULD PROVIDE A NEARLY WATERPROOF SEAL BETWEEN THE PIPE AND THE ANTI–SEEP.
3. SLIP THE PIPE THROUGH THE ANTI–SEEP. INSPECT THE SEAL BETWEEN THE PIPE AND THE ANTI–SEEP, CAREFULLY BACKFILL AND COMPACT WITH SUITABLE SOIL.



NOTE:
AGRI DRAIN CORP. OR EQUAL

Anti-Seep Collar

NOT TO SCALE



INTERNAL ORIFICE SCHEDULE		
LOCATION	INVERT	DIAMETER
DETENTION BASIN B	478.50	3.00"
INFILTRATION BASIN C	444.50	3.00"

Low Flow (CPv) Outlet

NOT TO SCALE

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 7051
REGISTERED PROFESSIONAL ENGINEER
CIVIL
10-27-15

No.	Date	Description	By:
5	10-27-2015	RIDEM Comments	DAR
4	9-29-2015	Water Department Revisions	KJC
3	8-27-2015	RIDOT Resubmission	KJC
2	8-22-2015	RIDOT Resubmission	KJC
1	8-22-2015	RIDEM Wetlands Submission	KJC
0	6-5-2015	Preliminary Submission	KJC

Drawn By: JAR

Detail Sheet - 2

Steere Farm Village

Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

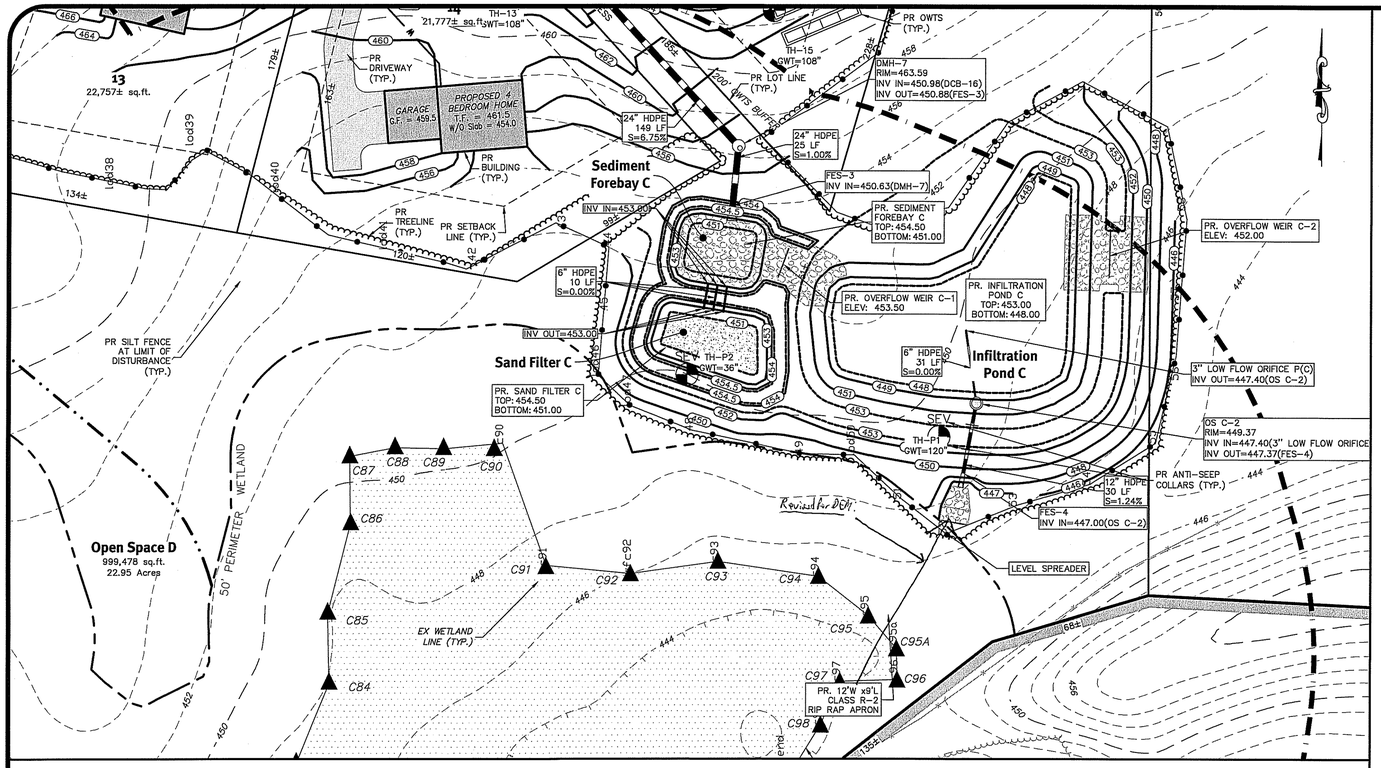
Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

SHEET 12 OF 15

DE Job No: 6005-005 Copyright 2015 by DiPrete Engineering Associates, Inc.

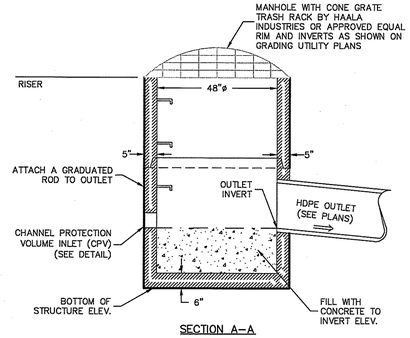
OCT 27 2015

z:\[demah\projects\6005-005 steere farm road\autocad drawings\6005-005-dsen.dwg Plotted: 10/27/2015

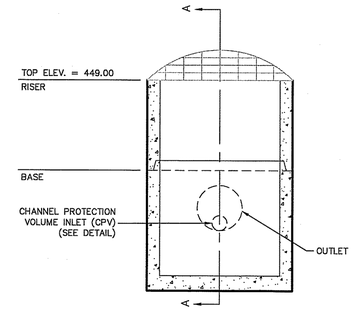


Infiltration Pond C

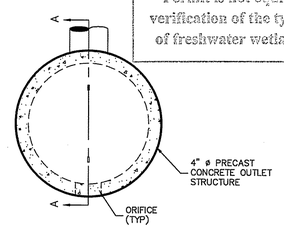
Scale: 1"=30'
0 15' 30' 60'



SECTION A–A

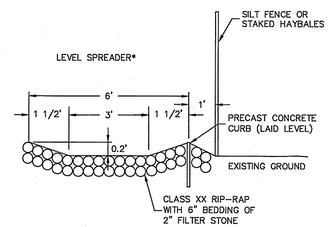


NOTE:
ALL 2" WEEP HOLES USED TO PLACE STRUCTURE MUST BE FILLED WITH CONCRETE.



TOP VIEW

4' Diameter Outlet Structure - OS C-1
NOT TO SCALE



NOTE:
* LENGTHS AS SPECIFIED ON SITE PLANS

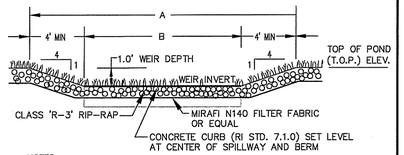
Level Spreader
NOT TO SCALE

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

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 7051
10-27-15
REGISTERED PROFESSIONAL ENGINEER CIVIL

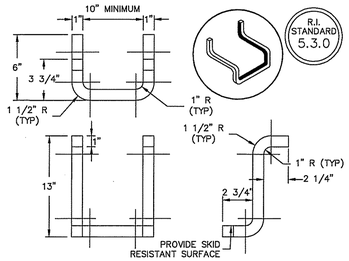
LOCATION	T.O.P. ELEVATION	WEIR INVERT	DIMENSION A	DIMENSION B
OVERFLOW WEIR B–1	484.00	483.00	21.00	13.00
OVERFLOW WEIR B–2	483.00	482.00	28.00	20.00
OVERFLOW WEIR C–1	451.50	450.50	21.00	13.00
OVERFLOW WEIR C–2	450.00	449.00	28.00	20.00



NOTES:
1. FOLLOWING PLACEMENT OF FILTER FABRIC AND RIP RAP, VOIDS SHALL BE FILLED WITH LOAM AND SEEDED ALONG WITH DETENTION BASIN.

2. CONTRACTOR TO VERIFY ELEVATIONS ALONG TOP OF CURB AFTER SPILLWAY AREA IS COMPACTED TO 95% PROCTOR.

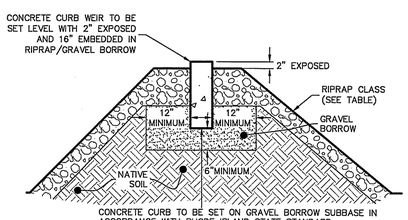
Overflow Weir Detail
NOT TO SCALE



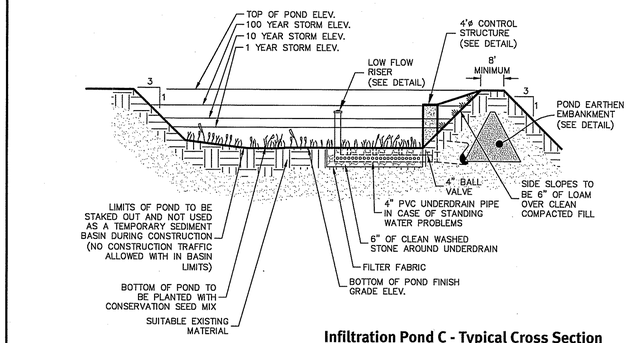
NOTES:
1. STEPS SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
2. CROSS SECTION AREA MAY BE REDUCED UPON SUBMISSION OF CERTIFIED LOAD TESTS. STEPS MUST SUPPORT 300 LBS.
3. STOCK SHOWN IS 1" SQUARE WHICH MAY BE REPLACED BY 1" ø.

Catch Basin And Manhole Step
NOT TO SCALE

LOCATION	TOP OF POND ELEV.	WEIR INVERT	WEIR DEPTH	RIPRAP CLASS
WEIR B–2	483.00	482.00	1.00'	R–3
WEIR C–2	450.00	449.00	1.00'	R–3



Curb Outlet Weir Cross Section
NOT TO SCALE

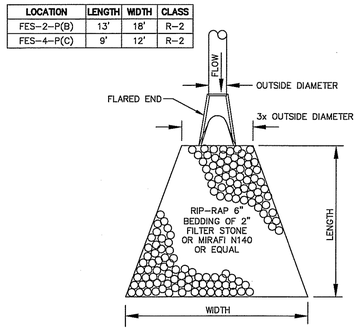


DESCRIPTION	BASIN C
TOP OF POND ELEVATION	450.00
BOTTOM OF POND	445.00
100 YEAR STORM ELEVATION	448.84
10 YEAR STORM ELEVATION	445.40
1 YEAR STORM ELEVATION	445.00
SEASONAL HIGH GWT ELEVATION	438.00
SOIL EVALUATION TH–P1	120"

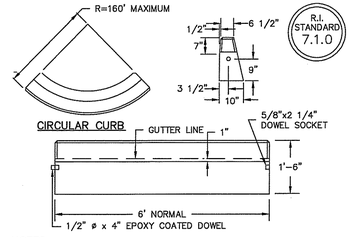
Infiltration Pond C - Typical Cross Section
NOT TO SCALE

No.	Date	Description	Drawn By: JAR
5	10-27-2015	RIDEM Comments	DJM
4	9-22-2015	RIDOT Resubmission Updates	MSC
3	9-22-2015	RIDOT Resubmission	MSC
2	8-27-2015	RIDOT Resubmission	MSC
1	8-24-2015	RIDEM Wetlands Submission	JAR
0	06-02-2015	RIDEM Wetlands Submission	JAR

LOCATION	LENGTH	WIDTH	CLASS
FES–2–P(B)	13'	18'	R–2
FES–4–P(C)	9'	12'	R–2



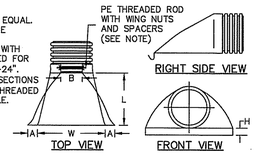
Rip-Rap Apron Detail
NOT TO SCALE



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'–0".
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'–0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'–0" RADIUS.
5. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

Precast Concrete Curb
NOT TO SCALE

NOTE:
1. ADS OR APPROVED EQUAL.
2. ALL DIMENSIONS ARE NOMINAL.
3. PE THREADED ROD WITH WING NUTS PROVIDED FOR END SECTIONS 12"–24".
4. 30" AND 36" END SECTIONS REQUIRE TWO (2) THREADED RODS FOR ASSEMBLE.

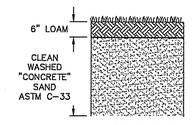


TOP VIEW

PART #	PIPE SIZE	A	B (MAX)	H	L	W
1210NP	12 IN (300 MM)	6.50 IN (165 MM)	10 IN (254 MM)	6.50 IN (165 MM)	25 IN (635 MM)	29 IN (737 MM)
1510NP	15 IN (375 MM)	6.50 IN (165 MM)	10 IN (254 MM)	6.50 IN (165 MM)	25 IN (635 MM)	29 IN (737 MM)
1810 NP	18 IN (450 MM)	7.50 IN (191 MM)	15 IN (381 MM)	6.50 IN (165 MM)	32 IN (813 MM)	35 IN (889 MM)
2410NP	24 IN (600 MM)	7.50 IN (191 MM)	18 IN (457 MM)	6.50 IN (165 MM)	36 IN (914 MM)	45 IN (1143 MM)
3015NP	30 IN (750 MM)	7.50 IN (191 MM)	12 IN (305 MM)	8.60 IN (218 MM)	58 IN (1473 MM)	63 IN (1600MM)
3615NP	36 IN (900 MM)	7.50 IN (191 MM)	25 IN (635 MM)	8.60 IN (218 MM)	58 IN (1473 MM)	63 IN (1600 MM)

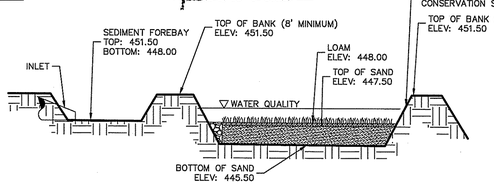
HDPE Flared End Section
NOT TO SCALE

DESCRIPTION	SF–C
AVAILABLE STORAGE ELEVATION	451.50
100 YEAR STORM ELEVATION	483.58
10 YEAR STORM ELEVATION	483.10
1 YEAR STORM ELEVATION	480.56
OUTLET ELEVATION	–
TOP OF BANK	451.50
SAND & LOAM DEPTH	2.5'
SEASONAL HIGH GWT ELEVATION	445.00
SOIL EVALUATION TH–P5	36"



TYPICAL SECTION

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 8 2015 FILE # 15-0179
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



Sand Filter C (Infiltration)
NOT TO SCALE

OCT 28 2015

Detail Sheet - 3

Steere Farm Village
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

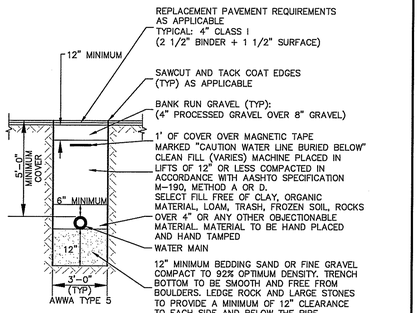
Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005

Copyright 2015 by DiPrete Engineering Associates, Inc.

SHEET 13 OF 15

z:\dems\projects\0095-005 steere farm road\autocad drawings\0095-005-dsen.dwg Plotted: 10/27/2015

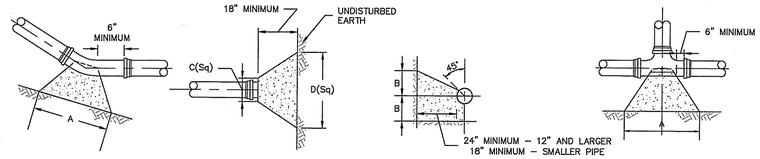


Water Trench Detail

NOT TO SCALE

NOTES:
1. ALL CONCRETE SHALL BE 4,000 P.S.I. @ 28 DAYS
2. CONCRETE THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH
3. FORMS TO BE USED AS NECESSARY
4. ALL BOLTS AND NUTS TO BE PROTECTED FROM CONCRETE AND EASILY ACCESSIBLE WHEN THRUST BLOCK INSTALLED
5. REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF RHODE ISLAND SHALL VERIFY CALCULATIONS DURING DESIGN TO MEET CONDITIONS OF PROJECT.

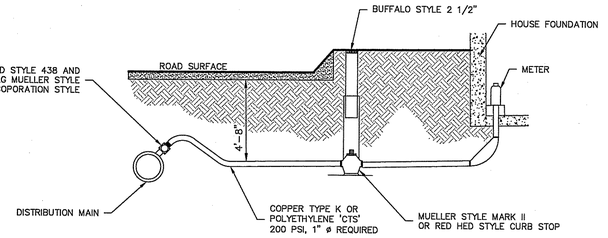
SIZE	TEES		PLUGS		90° BEND		45° BEND		22.5° BEND		11.25° BEND	
	A	B	C	D	A	B	A	B	A	B	A	B
6"	20"	10"	10"	21"	24"	12"	18"	9"	13"	7"	9"	5"
8"	26"	13"	12"	26"	32"	16"	24"	12"	17"	9"	12"	6"
10"	34"	17"	14"	34"	40"	20"	30"	15"	22"	11"	15"	8"
12"	41"	20"	16"	41"	48"	24"	35"	18"	25"	13"	18"	9"
16"	54"	27"	20"	54"	64"	32"	47"	23"	34"	17"	24"	12"



PLAN BENDS | PLAN & ELEVATION PLUGS | BENDS & TEES SECTIONS | PLAN TEES

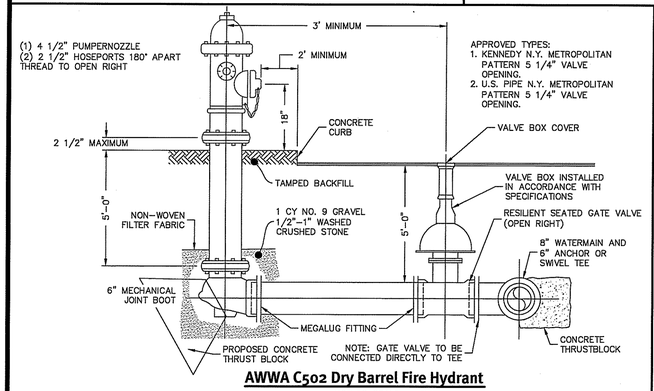
Thrust Block

NOT TO SCALE



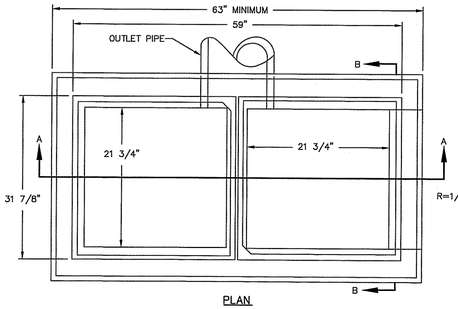
Water Service Installation (TYP)

NOT TO SCALE

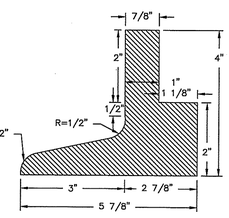


AWWA C502 Dry Barrel Fire Hydrant

NOT TO SCALE



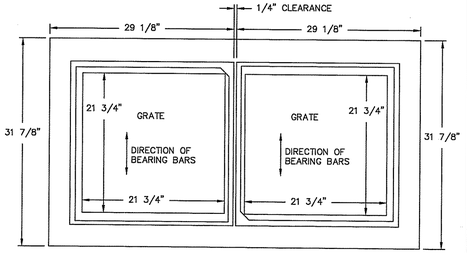
PLAN



FRAME SECTIONS

Double Catch Basin Frame

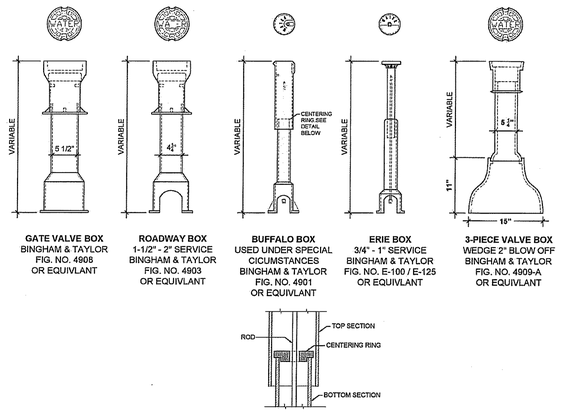
NOT TO SCALE



2-3 FLANGE 4" C.I. FRAMES

Water Installation Notes

1. INSTALLATION OF WATER MAIN SHALL CONFORM TO THE BURRILLVILLE WATER SUPPLY BOARD AND IN ACCORDANCE WITH THE DUCTILE IRON PIP RESEARCH ASSOCIATION INSTALLATION MANUAL.
2. DISTRIBUTION PIPING SHALL BE CL 52 DUCTILE IRON, DOUBLE CEMENT LINED, WITH PUSH JOINTS. PIPE SHALL MEET ANSI/AWWA C151 A21.51. JOINTS SHALL MEET ANSI/AWWA/C111/A21.11.
3. FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CL350 CEMENT MORTAR LINED AND MEET ANSI/AWWA/C153/A21.53. MECHANICAL JOINTS SHALL MEET ANSI/AWWA/C111/A21.11 AMERICAN MANUFACTURER ONLY.
4. VALVES UP TO 12" DIAMETER SHALL BE MECHANICAL JOINT, RESILIENT SEATED STYLE AND OPEN RIGHT
5. PRESSURE TEST OF THE WATER SYSTEM SHALL BE 1.5 TIMES THE MAXIMUM WORKING PRESSURE OF 250 PSI. BURRILLVILLE WATER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF SCHEDULED TEST.
6. CHLORINATION OF SYSTEM AND SAMPLING SHALL CONFORM TO BURRILLVILLE WATER STANDARDS.
7. NOTIFY ENGINEER PRIOR TO COVERING OF WATER MAIN TO SURVEY AS-BUILT LOCATION AND TO COMPLETE REQUIRED AS-BUILT PLAN. ENGINEER WILL NOT ACCEPT FIELD MEASUREMENT FROM THE CONTRACTOR.
8. METALLIC, BLUE WATER MAIN DETECTION TAPE MUST BE INSTALLED 1.5'-2' BELOW GRADE, OVER ANY WATER MAIN OR SERVICE.
9. ALL WATER MAIN SHALL BE CL 52 DUCTILE IRON PIPE.
10. GATE VALVE BOX ALIGNER'S SHALL BE USED WITH ALL GATE VALVE INSTALLATIONS.
11. ALL MECHANICAL JOINT FITTINGS SHALL BE INSTALLED UTILIZING MEGA-LUG MJ JOINT RETAINER GLANDS.
12. WATER MAIN SHALL BE RESTRAINED IN ACCORDANCE WITH THE DUCTILE IRON RESEARCH ASSOCIATIONS RECOMMENDED PIPE JOINT RESTRAINT GUIDE AT ANY CHANGE IN DIRECTION OR PIPE TRANSFER



GATE VALVE BOX
BINGHAM & TAYLOR
FIG. NO. 4908
OR EQUIVLANT

ROADWAY BOX
1-1/2" - 2" SERVICE
BINGHAM & TAYLOR
FIG. NO. 4903
OR EQUIVLANT

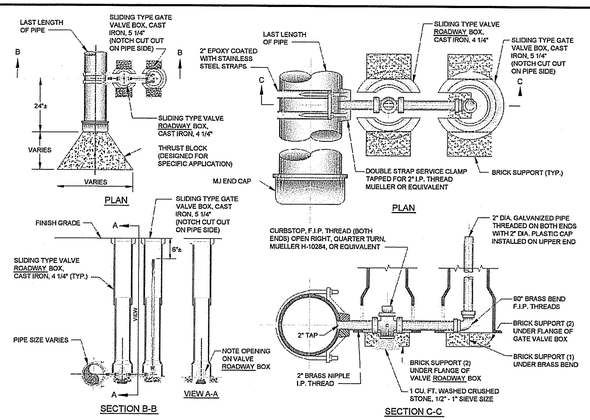
BUFFALO BOX
USED UNDER SPECIAL CIRCUMSTANCES
BINGHAM & TAYLOR
FIG. NO. 4901
OR EQUIVLANT

ERIE BOX
3/4" - 1" SERVICE
BINGHAM & TAYLOR
FIG. NO. E-100 / E-125
OR EQUIVLANT

3-PIECE VALVE BOX
WEDGE 2" BLOW OFF
BINGHAM & TAYLOR
FIG. NO. 4909-A
OR EQUIVLANT

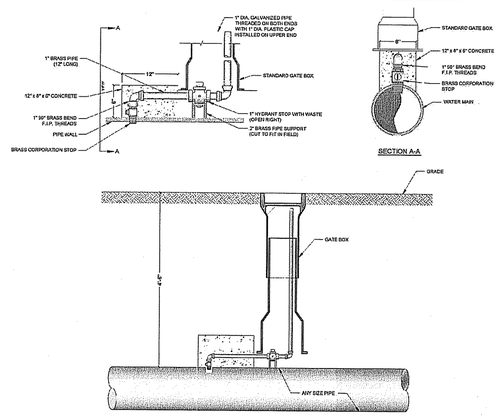
Valve and Curbstop Boxes

NOT TO SCALE



Typical 2" Blowoff Assembly

NOT TO SCALE



Air Release

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 DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Received Department of Environmental Management OCT 8 2015

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com
Engineers • Planners • Surveyors

KEVIN C. MORIN
No. 7051
REGISTERED PROFESSIONAL ENGINEER
CIVIL
10-2-15

No.	Date	Description	By:
5.	10-07-2015	RIDEM Comments	DMP
4.	9-29-2015	Water Department Revisions	JAC
3.	9-17-2015	RIDOT Resubmission	MSC
2.	8-27-2015	RIDOT Submission	MSC
1.	8-12-2015	RIDEM Wetlands Resubmission	MSC
0.	06-02-2015	RIDEM Wetlands Submission	JAR

Drawn By: JAR

Detail Sheet - 4

Steere Farm Village
Ap 2-7 Lot 11 & Ap 2-20 Lot 2
Burrillville, Rhode Island

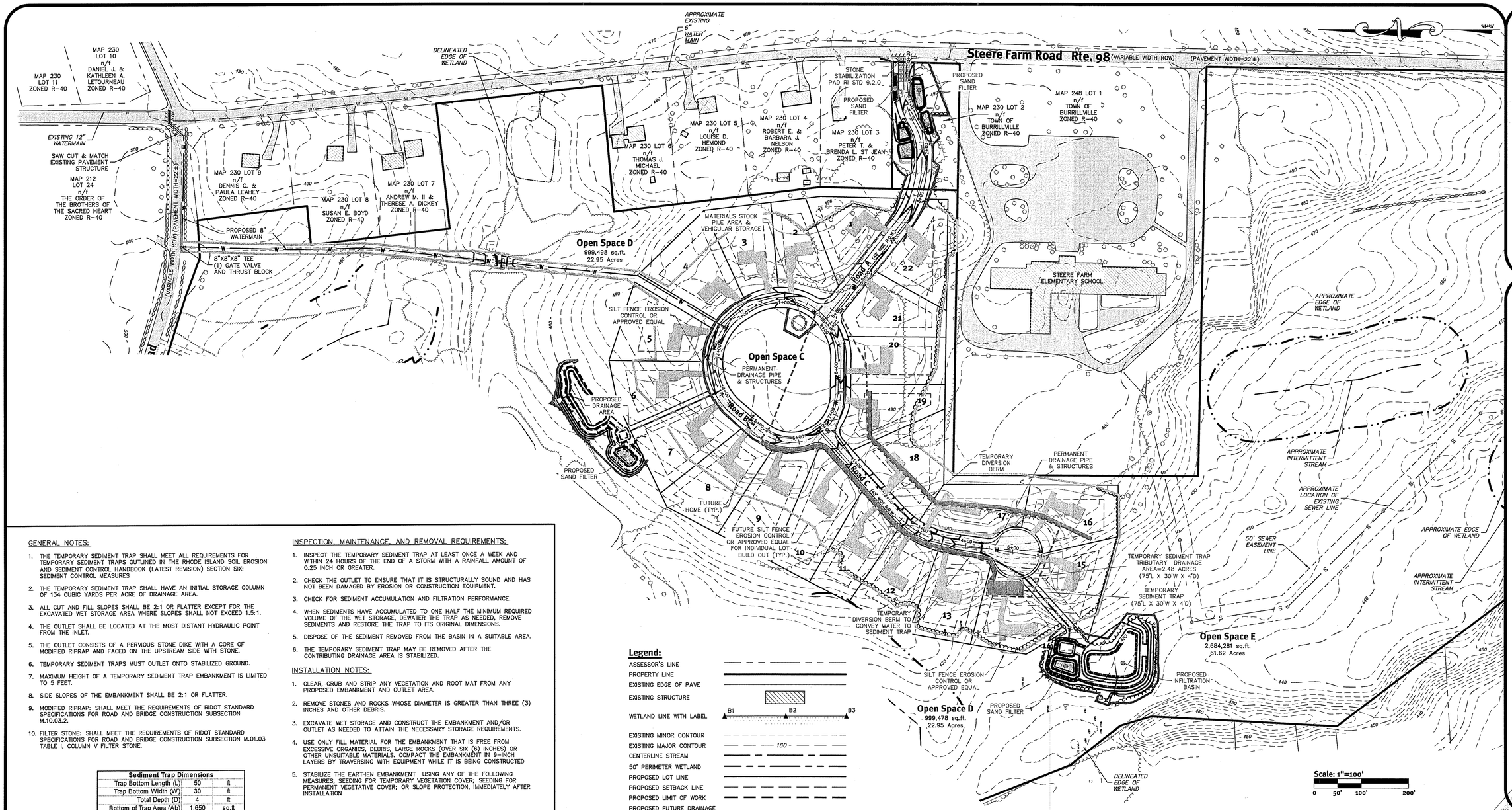
Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005

Copyright 2015 by DiPrete Engineering Associates, Inc.

SHEET 14 OF 15

z:\detail\projects\0095-005 steere farm road\autocad drawing\0095-005-dtsn.dwg Plotted: 10/27/2015



GENERAL NOTES:

1. THE TEMPORARY SEDIMENT TRAP SHALL MEET ALL REQUIREMENTS FOR TEMPORARY SEDIMENT TRAPS OUTLINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST REVISION) SECTION SIX: SEDIMENT CONTROL MEASURES
2. THE TEMPORARY SEDIMENT TRAP SHALL HAVE AN INITIAL STORAGE COLUMN OF 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER EXCEPT FOR THE EXCAVATED WET STORAGE AREA WHERE SLOPES SHALL NOT EXCEED 1.5:1.
4. THE OUTLET SHALL BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET.
5. THE OUTLET CONSISTS OF A PERVIOUS STONE DIKE WITH A CORE OF MODIFIED RIPRAP AND FACED ON THE UPSTREAM SIDE WITH STONE.
6. TEMPORARY SEDIMENT TRAPS MUST OUTLET ONTO STABILIZED GROUND.
7. MAXIMUM HEIGHT OF A TEMPORARY SEDIMENT TRAP EMBANKMENT IS LIMITED TO 5 FEET.
8. SIDE SLOPES OF THE EMBANKMENT SHALL BE 2:1 OR FLATTER.
9. MODIFIED RIPRAP: SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.10.03.2.
10. FILTER STONE: SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.01.03 TABLE I, COLUMN V FILTER STONE.

Sediment Trap Dimensions		
Trap Bottom Length (L)	50	ft
Trap Bottom Width (W)	30	ft
Total Depth (D)	4	ft
Bottom of Trap Area (Ab)	1,650	sq.ft
Wetted Surface Area (Aw)	2,783	sq.ft
Wet Storage Depth (Dw)	2	ft
Surface Area at Outlet (Ad)	3,434	sq.ft
Dry Storage Depth (Dd)	2	ft

INSPECTION, MAINTENANCE, AND REMOVAL REQUIREMENTS:

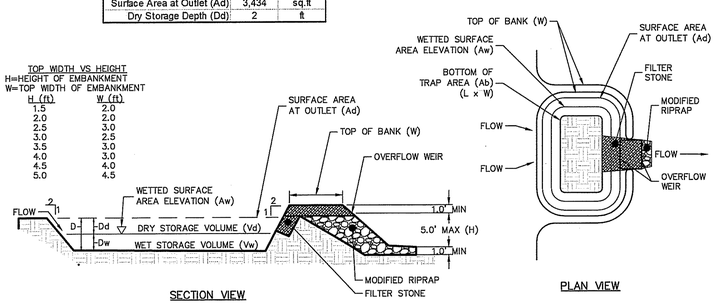
1. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCH OR GREATER.
2. CHECK THE OUTLET TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT.
3. CHECK FOR SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE.
4. WHEN SEDIMENTS HAVE ACCUMULATED TO ONE HALF THE MINIMUM REQUIRED VOLUME OF THE WET STORAGE, DEWATER THE TRAP AS NEEDED, REMOVE SEDIMENTS AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS.
5. DISPOSE OF THE SEDIMENT REMOVED FROM THE BASIN IN A SUITABLE AREA.
6. THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.

INSTALLATION NOTES:

1. CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA.
2. REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN THREE (3) INCHES AND OTHER DEBRIS.
3. EXCAVATE WET STORAGE AND CONSTRUCT THE EMBANKMENT AND/OR OUTLET AS NEEDED TO ATTAIN THE NECESSARY STORAGE REQUIREMENTS.
4. USE ONLY FILL MATERIAL FOR THE EMBANKMENT THAT IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, LARGE ROCKS (OVER SIX (6) INCHES) OR OTHER UNSUITABLE MATERIALS. COMPACT THE EMBANKMENT IN 9-INCH LAYERS BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED
5. STABILIZE THE EARTHEN EMBANKMENT USING ANY OF THE FOLLOWING MEASURES; SEEDING FOR TEMPORARY VEGETATION COVER; SEEDING FOR PERMANENT VEGETATIVE COVER; OR SLOPE PROTECTION, IMMEDIATELY AFTER INSTALLATION

TOP WIDTH VS HEIGHT
H=HEIGHT OF EMBANKMENT
W=TOP WIDTH OF EMBANKMENT

H (ft)	W (ft)
1.5	2.0
2.0	2.0
2.5	3.0
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5



SECTION VIEW

PLAN VIEW

Temporary Sediment Trap Detail

NOT TO SCALE

Legend:

- ASSESSOR'S LINE
- PROPERTY LINE
- EXISTING EDGE OF PAVE
- EXISTING STRUCTURE
- WETLAND LINE WITH LABEL (B1 – B2 – B3)
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR (160)
- CENTERLINE STREAM
- 50' PERIMETER WETLAND
- PROPOSED LOT LINE
- PROPOSED SETBACK LINE
- PROPOSED LIMIT OF WORK
- PROPOSED FUTURE DRAINAGE AREA LIMITS

Soil Erosion Control Legend:

- DIVERSION RUNOFF CONVEYANCE MEASURE
- TRIBUTARY DRAINAGE AREA
- ROADWAY & DRAINAGE NETWORK CONSTRUCTION AREA
- TEMPORARY SEDIMENT TRAP
- SILT FENCE OR APPROVED EQUAL EROSION CONTROL MEASURE
- FUTURE LIMIT OF WORK & EROSION CONTROL FOR INDIVIDUAL LOT BUILD OUT
- FUTURE HOME

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

Construction Phasing

Phase IA– INSTALL EROSION CONTROL SILT FENCE & STONE CONSTRUCTION ENTRANCE.

Phase IB – INSTALL TEMPORARY SEDIMENTATION TRAP.

Phase IC– CONSTRUCT PROPOSED DIVERSIONS

Phase IIA– CLEAR AND GRUB ROADWAY AREAS. CONSTRUCT PROPOSED ROADWAY & INSTALL UTILITIES WITH ROADWAYS. INSTALL DRAINAGE NETWORK WORKING FROM THE DOWN GRADIENT BASINS UP TO THE START OF NETWORK.

Phase IIB– STABILIZE ALL DISTURBED AREAS, DE–CONSTRUCT DIVERSIONS AND TEMPORARY SEDIMENTATION TRAPS.

Phase III– CONSTRUCT INDIVIDUAL LOTS. INSTALL EROSION & SEDIMENT CONTROLS AT ALL DOWN GRADIENT LIMITS OF WORK.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 8 2015 FILE # 15-0119
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

GENERAL NOTES:

1. ALL EROSION CONTROL, DIVERSIONS, TEMPORARY SEDIMENTATION TRAP, ETC. SHALL BE INSTALLED PER THE RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL LATEST EDITION.
2. SILTFENCE OR AN APPROVED EROSION EROSION CONTROL AND DIVERSIONS SHALL BE USED TO CONTROL RUNOFF DURING CONSTRUCTION OF THE PROPOSED ROADWAY. AFTER INITIAL ROADWAY GRADING IS COMPLETE AND THE PERMANENT DRAINAGE INFRASTRUCTURE HAS BEEN CONSTRUCTED THE DRAINAGE NETWORK SHALL BE BROUGHT ONLINE AND THE DIVERSIONS SHALL BE DECONSTRUCTED.
3. VEHICLE MAINTENANCE AND WASHING SHALL OCCUR OFF–SITE.
4. ONCE THE SEDIMENTATION TRAP IS NO LONGER REQUIRED AND ALL TRIBUTARY AREAS HAVE BEEN STABILIZED, THE AREA SHALL BE BROUGHT TO FINAL DESIGN GRADES.
5. INLET PROTECTION SHALL BE INSTALLED ON ALL CATCH BASINS ONCE CONSTRUCTED.
6. CONCRETE WASHOUT AREAS TO BE LOCATED AT EACH INDIVIDUAL LOT.
7. SEE SECTION 1.2 OF THE SESC FOR SEQUENCE OF CONSTRUCTION ACTIVITY.
8. SEE SECTION 2.2 OF THE SESC FOR PROJECT PHASING.
9. CONTRACTOR MAY MODIFY SEQUENCE OF CONSTRUCTION WITH APPROVAL FROM DESIGN ENGINEER.
10. INFILTRATION BASINS & SAND FILTER AREAS SHALL BE STAKED OFF, DEMARCATED AND PROTECTED FROM CONSTRUCTION TRAFFIC DURING ALL CONSTRUCTION PHASES.

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel.401-943-1000 fax.401-464-6006 www.DiPrete-Eng.com

KEVIN C. MORIN
No. 10051
REGISTERED PROFESSIONAL ENGINEER
CIVIL
10-21-15

No.	Date	Description	By:
5	10-21-2015	RIDOT Comments	JAR
4	09-29-2015	RIDOT Comments Revisions	JAR
3	9-17-2015	RIDOT Resubmission	MSC
2	8-27-2015	RIDOT Resubmission	MSC
1	07-31-2015	RIDOT Permit Submission	MSC
0	06-02-2015	RIDEM Wetlands Submission	JAR

Drawn By: JAR

Soil Erosion & Sediment Control Plan

Steere Farm Village
Ap 247 Lot 11 & Ap 230 Lot 2
Burrillville, Rhode Island

Client
Steere Farm Village, LLC
P.O. Box 805
Chepachet, RI 02814

DE Job No: 0095-005

Copyright 2015 by DiPrete Engineering Associates, Inc.

SHEET 15 OF 15

z:\demoh\projects\0095-005 steere farm road\autocad drawings\0095-005-dsen.dwg Plotted: 10/27/2015