

SITE PLANS FOR A  
PROPOSED

# RURAL RESIDENTIAL COMPOUND AND MINOR LAND DEVELOPMENT

MICHAEL AND JOYCE SCURKA  
AP 207 LOT 1  
KNIBB ROAD  
BURRILLVILLE, RHODE ISLAND  
ZONING DISTRICT- F5

SUBMITTED TO RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL  
MANAGEMENT DIVISION OF FRESHWATER WETLANDS

**PROJECT TEAM**

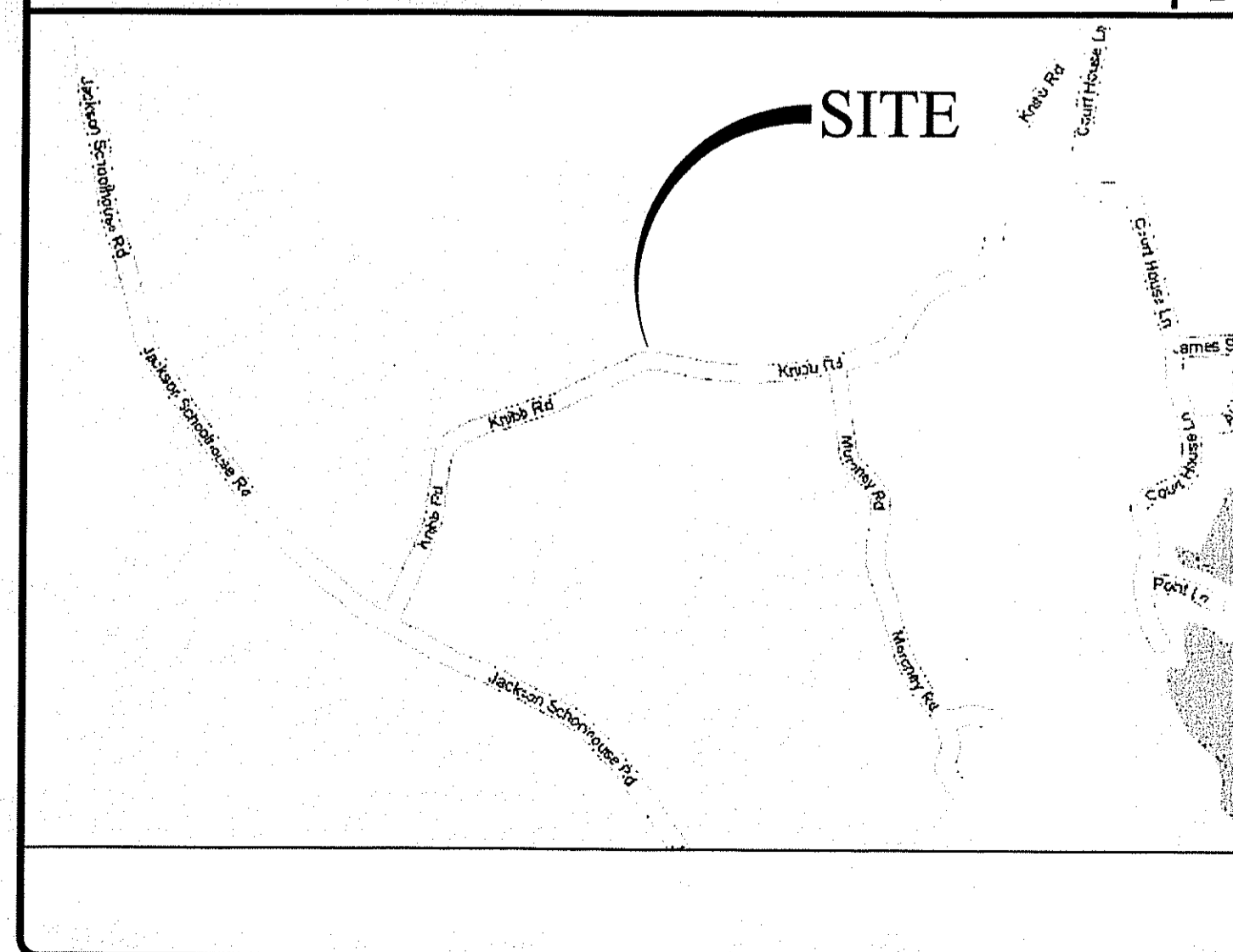
**OWNER:** MICHAEL AND JOYCE SCURKA  
121 CENTENNIAL STREET  
PASCOAG, RI 02859

**CIVIL:** JOE CASALI ENGINEERING, INC.  
300 POST ROAD  
WARWICK, RI 02888  
PHONE: 401-944-1300  
FAX: 401-944-1313

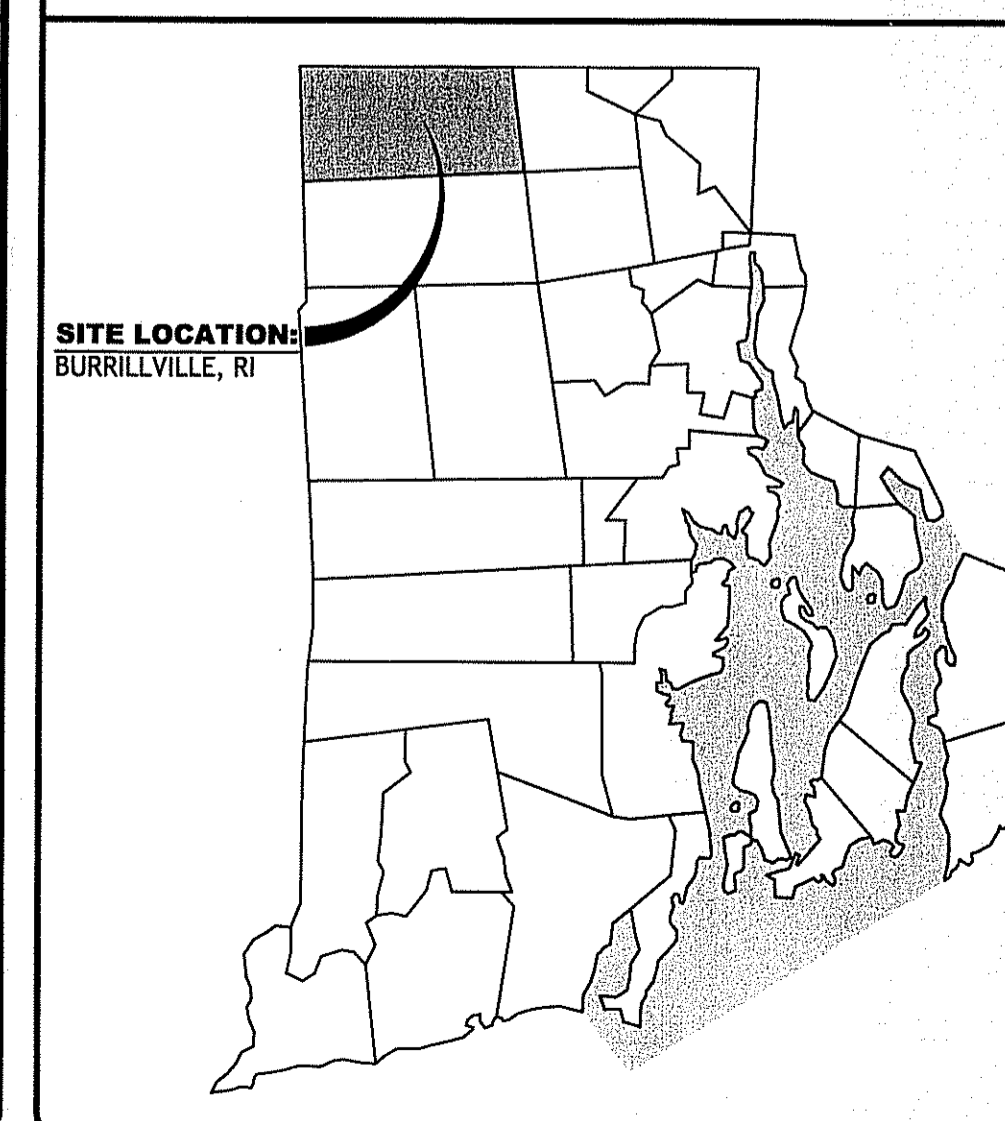
**SURVEYOR:** NATIONAL LAND SURVEYORS-DEVELOPERS INC.  
42 HAMLET AVENUE  
WOONSOCKET, RI  
PHONE: 401-769-7779

**BIOLOGIST:** NATURAL RESOURCE SERVICES, INC.  
PO BOX 311  
HARRISVILLE, RI 02830  
PHONE: 401-769-7779

**LOCUS MAP (NOT TO SCALE)**



**STATE WIDE MAP**

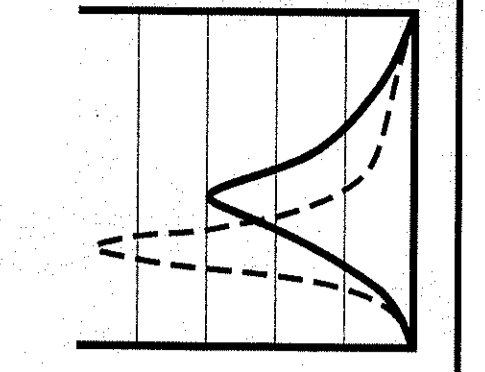


**INDEX OF DRAWINGS**

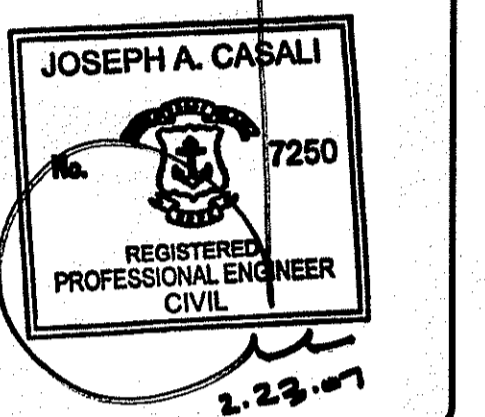
SHEET NO.	PLAN
1.	COVER SHEET
2.	EXISTING CONDITIONS
3.	OVERALL SITE PLAN
4.	SITE PLAN
5.	GRADING AND DRAINAGE PLAN
6.	DETAILS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUN 6 5 2007 FILE # 07-0390  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

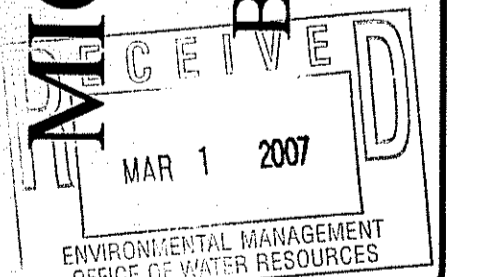
*Signature of D. Weneck*



**JCE**  
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www.joecasalengineering.com



MICHAEL & JOYCE SCURKA  
KNIBB ROAD  
BURRILLVILLE, RHODE ISLAND  
AP 207 LOT 1



**REVISIONS:**

NO.	DATE	DESCRIPTION

DESIGNED BY: GACWA  
DRAWN BY: GAH  
CHECKED BY: DMD  
DATE: FEBRUARY 2007  
PROJECT NO: 06-521

PRELIMINARY, NOT FOR  
CONSTRUCTION

**COVER SHEET**

**SHEET 1 OF 6**

07-03-52-National Land Surveyors 106-521 Mike Scurka Burrillville Site - ACAD - PLAN SET - SCURKA (PLAN SET).dwg Feb. 24, 2007 11:10am

**REFERENCES**

1. A PLAN ENTITLED "PLAN OF DIVISION OF LAND, MAP 207 LOT 1, KNIBB ROAD, BURRILLVILLE R.I. FOR MICHAEL D. SKURKA; DATED OCTOBER 2004; SCALE 1" = 80'; BY KEVIN M. HERETH P.L.S.
2. A PLAN ENTITLED "MICHAEL B. JOYCE SCURKA, AP 207 LOT 1 KNIBB ROAD, BURRILLVILLE, RI; DATED JULY 2006; SCALE 1"=150'; BY NATIONAL LAND SURVEYORS.

**GENERAL NOTES:**

1. CLASS I PROPERTY LINE AND CLASS III TOPOGRAPHIC SURVEY COMPLETED BY NATIONAL LAND SURVEYORS INC. 42 HAMLET AVE, WOONSOCKET, RI.
2. THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
3. THIS SITE IS PREDOMINATELY WOODED.
4. WETLANDS SHOWN HEREIN WERE DELINEATED BY NATURAL RESOURCE SERVICES, INC.
5. THIS SITE DOES NOT LIE WITHIN ANY KNOWN AGRICULTURAL USE, CIVILCULTURAL USE, NATURAL HERITAGE OR FARMLAND CONSERVATION AREAS.
6. THERE ARE NO KNOWN EASEMENTS OR RIGHTS OF WAY WITHIN OR ADJACENT TO THIS PARCEL.
7. THE CONTOURS SHOWN HEREIN ARE BASED UPON AN ASSUMED DATUM.
8. THERE ARE NO KNOWN HISTORIC CEMETERIES WITHIN OR IMMEDIATELY ADJACENT TO THIS PARCEL.
9. SOIL EVALUATIONS WERE COMPLETED BY NATIONAL LAND SURVEYORS, INC.
10. THE WETLANDS SHOWN HEREIN HAVE BEEN VERIFIED UNDER RIDEEM PERMIT NO. 05-0196
11. THIS SITE LIES IN ZONE C (AREAS DETERMINED TO BE OUTSIDE THE 100-YEAR FLOOD ZONE), AS SHOWN ON THE FIRM MAP FOR THE TOWN OF BURRILLVILLE, RI COMMUNITY PANEL NO. 440013 0010B, MAP REVISED JULY 2, 1979.

**NATIONAL**  
Surveyors-Developers  
Inc.  
42 Hamlet Ave., Woonsocket, R.I.  
(401) 769-7779

**NORBERT A. THERIEN**  
NO. 1739  
PROFESSIONAL  
LAND SURVEYOR

**MICHAEL & JOYCE SCURKA**  
KNIBB ROAD  
BURRILLVILLE, RHODE ISLAND  
AP 207 LOT 1

REVISIONS:

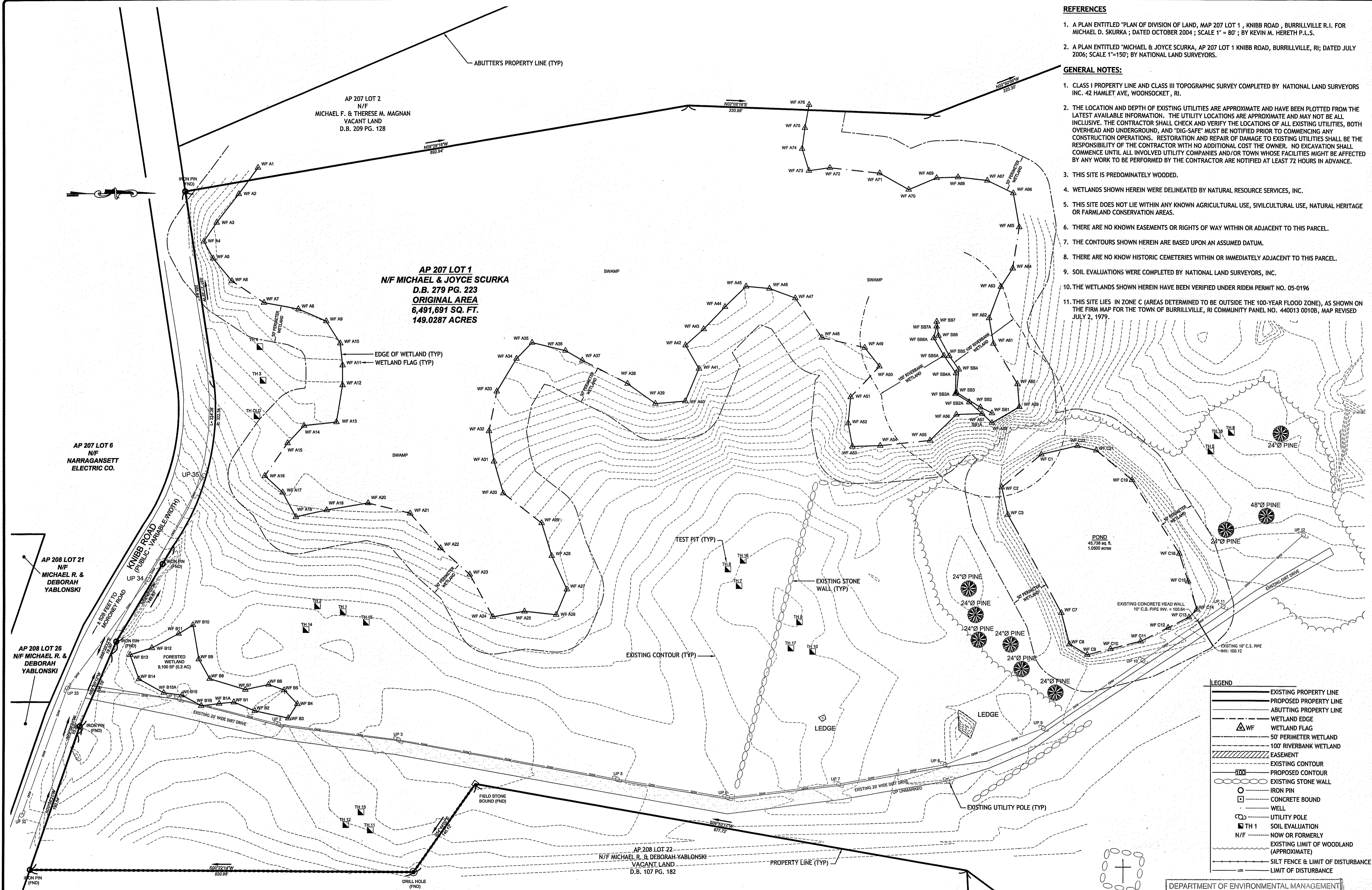
NO.	DATE	DESCRIPTION

DESIGNED BY: GAC/WA  
DRAWN BY: GAH  
CHECKED BY: DMD  
DATE: FEBRUARY 2007  
PROJECT NO: 06-53

PRELIMINARY, NOT FOR CONSTRUCTION

**EXISTING CONDITIONS**

**SHEET 2 OF 6**



**AP 207 LOT 1**  
N/F MICHAEL & JOYCE SCURKA  
D.B. 279 PG. 223  
**ORIGINAL AREA**  
6,491,691 SQ. FT.  
149.0287 ACRES

**LEGEND**

- EXISTING PROPERTY LINE
- - - PROPOSED PROPERTY LINE
- ABUTTING PROPERTY LINE
- WETLAND EDGE
- △ WF WETLAND FLAG
- 50' PERIMETER WETLAND
- 100' RIVERBANK WETLAND
- EASEMENT
- EXISTING CONTOUR
- - - PROPOSED CONTOUR
- EXISTING STONE WALL
- IRON PIN
- CONCRETE BOUND
- WELL
- UTILITY POLE
- TH 1 SOIL EVALUATION
- N/F NOW OR FORMERLY
- EXISTING LIMIT OF WOODLAND (APPROXIMATE)
- SILT FENCE & LIMIT OF DISTURBANCE
- LIMIT OF DISTURBANCE

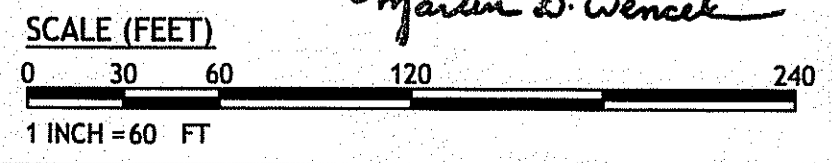
ZONING CRITERIA	REQUIRED
ZONING DISTRICT	F5
MINIMUM LOT AREA	5 ACRES
MINIMUM LOT FRONTAGE	450'
MINIMUM FRONT YARD SETBACK	40'
MINIMUM SIDE YARD SETBACK	15'
MINIMUM REAR YARD SETBACK	40'
MAXIMUM BUILDING COVERAGE	20%
MAXIMUM BUILDING HEIGHT	50'



LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL **DIGSAFE** AT **1-888-DIG-SAFE** OR **1-888-344-7233**

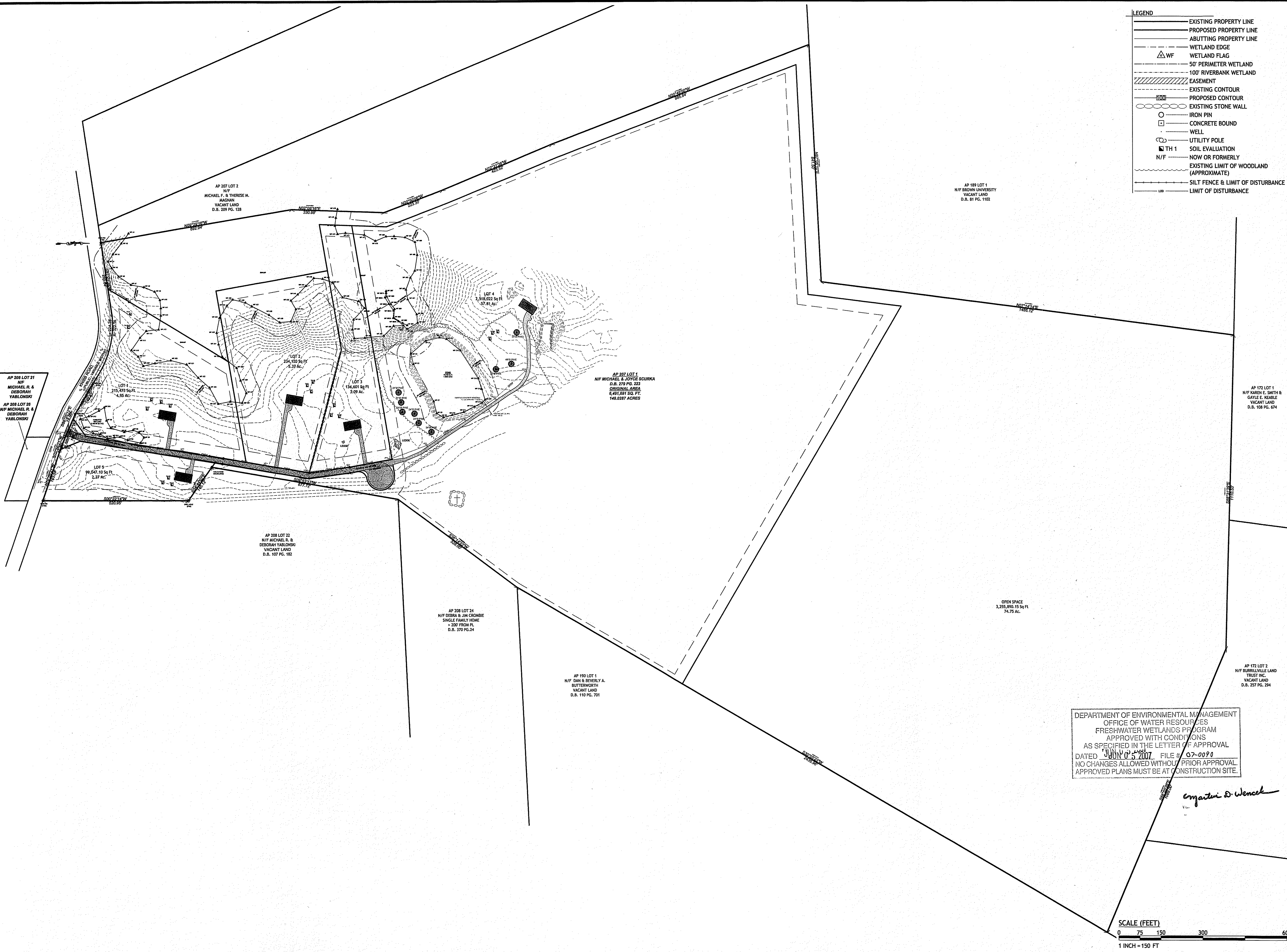
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**LEGEND**

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- ABUTTING PROPERTY LINE
- WETLAND EDGE
- WETLAND FLAG
- 50' PERIMETER WETLAND
- 100' RIVERBANK WETLAND
- EASEMENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING STONE WALL
- IRON PIN
- CONCRETE BOUND
- WELL
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- TH 1 SOIL EVALUATION
- N/F NOW OR FORMERLY
- EXISTING LIMIT OF WOODLAND (APPROXIMATE)
- SILT FENCE & LIMIT OF DISTURBANCE
- LIMIT OF DISTURBANCE

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 www.jccasaliengineering.com

**JOSEPH A. CASALI**  
 No. 7250  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 2-23-07

**MICHAEL & JOYCE SCURKA**  
 KNIBB ROAD  
 BURRILLVILLE, RHODE ISLAND  
 AP 207 LOT 1

**RECEIVED**  
 MAR 1 2007  
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 OFFICE OF WATER RESOURCES

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*Matthew D. Wencel*

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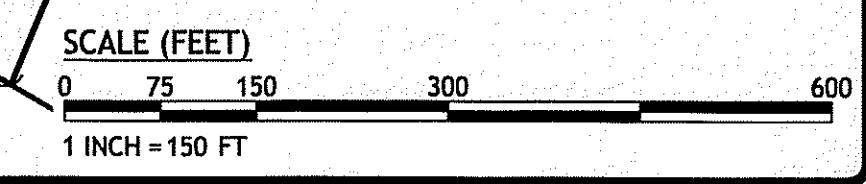
NO.	DATE	DESCRIPTION

DESIGNED BY: GACIWA  
 DRAWN BY: GAH  
 CHECKED BY: DMD  
 DATE: FEBRUARY 2007  
 PROJECT NO: 06-52

PRELIMINARY, NOT FOR CONSTRUCTION

**OVERALL SITE PLAN**

**SHEET 3 OF 6**



**LAYOUT NOTE:**  
 THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE OF RHODE ISLAND TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEMS FOUND WHICH DO NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

- SITE NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) OF ALL MATERIALS INDICATED ON THE PLANS.
  - STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED ADJACENT TO DRAINAGE STRUCTURES.
  - ALL DISTURBED AREAS OUTSIDE OF THE PAVED AREAS WILL RECEIVE A MINIMUM OF 6" OF LOAM AND SEED.
  - THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SURVEY LAYOUT SERVICES FOR THE WORK AND SHALL SUBMIT "AS-BUILT" DRAWINGS OF ALL WORK, WHICH SHALL BE STAMPED AND CERTIFIED BY A RHODE ISLAND REGISTERED PROFESSIONAL LAND SURVEYOR.
  - ANY ITEM OF WORK NOT SPECIFICALLY INDICATED ON THE PLANS BUT IS REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND INCLUDED IN THE CONTRACT BID PRICE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS.
  - REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ACTUAL SIZE OF THE PROPOSED BUILDINGS.
  - WHERE NECESSARY TO REMOVE CURBS, CATCH BASINS OR DRAINS TO COMPLETE WORK, THE CONTRACTOR SHALL REPLACE SUCH ITEMS TO THE SATISFACTION OF THE TOWN AT NO ADDITIONAL COST TO THE OWNER.
  - ANY EXISTING PIPE OR UTILITY DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE OWNER OR MUNICIPALITY.
  - THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION OR REPLACE TREES, SHRUBS, FENCES, SIGNS, GUARDRAILS, DRIVEWAYS, SIDEWALKS AND ANY OTHER OBJECT AFFECTED BY THIS OPERATION.

- MISCELLANEOUS UTILITY NOTES:**
- PRIOR TO CONSTRUCTION ALL POTENTIAL UTILITY/DRAINAGE CONFLICTS MUST BE IDENTIFIED BY THE CONTRACTOR. ANY MODIFICATIONS TO THE PROPOSED UTILITIES TO AVOID CONFLICTS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. NO EXTRA PAYMENT TO THE CONTRACTOR DUE TO RELOCATIONS WILL BE AUTHORIZED.
  - OVERHEAD ELECTRIC AND TELEPHONE SERVICES ARE TO BE REMOVED BY THE APPROPRIATE UTILITY COMPANY AND COORDINATED BY THE CONTRACTOR.
  - THE CONTRACTOR SHALL AT ALL TIMES PROVIDE A SUFFICIENT NUMBER OF WORKMEN AND GUARDS AS MAY BE NECESSARY TO PROPERLY SAFEGUARD THE PUBLIC FROM THEIR OPERATIONS.
  - THE CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OF PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES AND SHALL PROMPTLY REPAIR AT HIS OWN EXPENSE ANY DAMAGE TO SUCH PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES TO THE SATISFACTION OF THE OWNER OR CITY.

**JCE**  
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 www.jcecasalengineering.com

JOSEPH A. CASALI  
 No. 7250  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 2.23.07

**MICHAEL & JOYCE SCURKA**  
 KNIBB ROAD  
 BURRILLVILLE, RHODE ISLAND  
 AP 207 LOT 1

MAR 1 2007  
 ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES

**REVISIONS:**

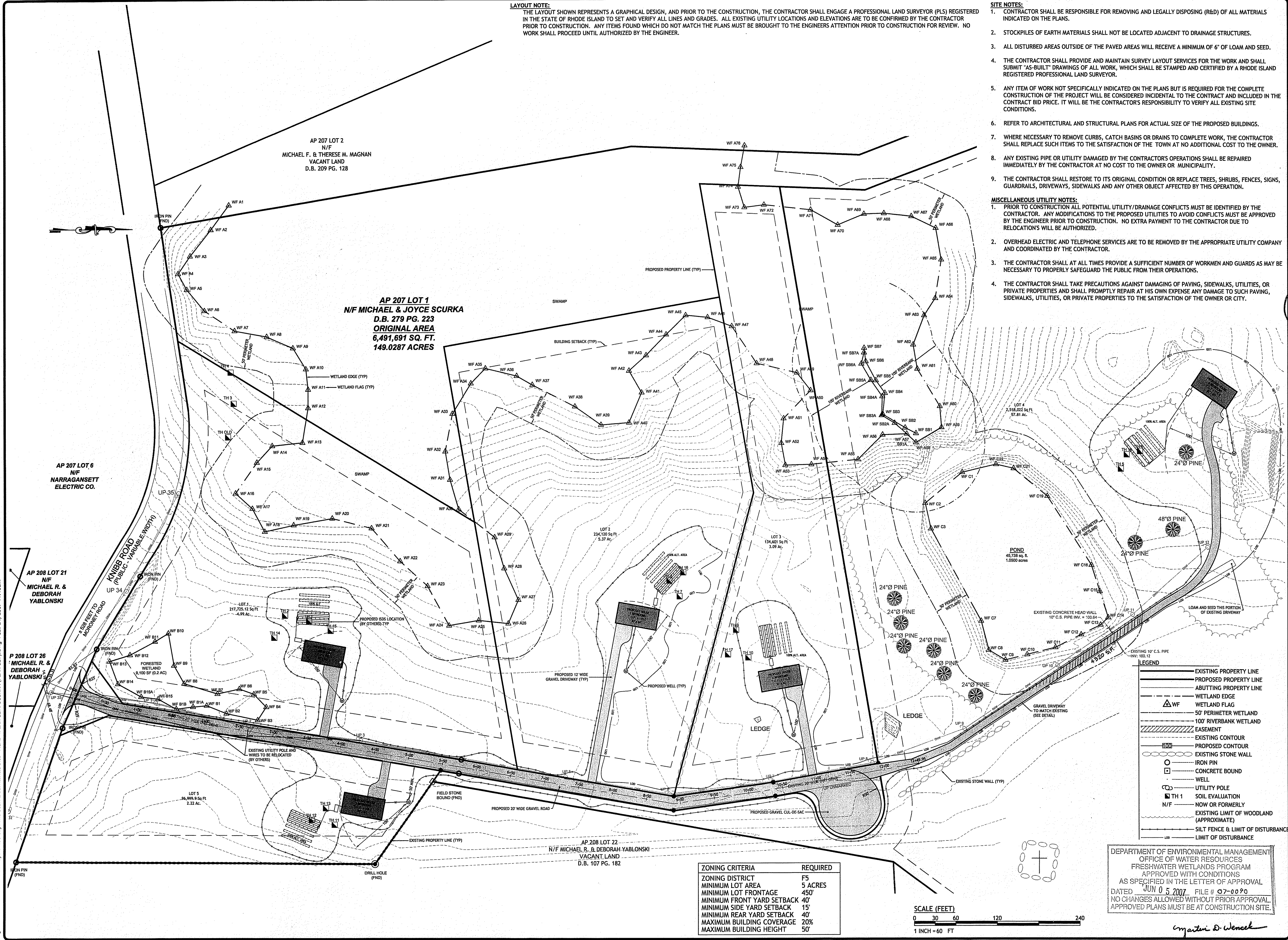
NO.	DATE	DESCRIPTION

DESIGNED BY: GACWA  
 DRAWN BY: GAH  
 CHECKED BY: DMD  
 DATE: FEBRUARY 2007  
 PROJECT NO: 06-52

PRELIMINARY, NOT FOR CONSTRUCTION

**SITE PLAN**

**SHEET 4 OF 6**



ZONING CRITERIA	REQUIRED
ZONING DISTRICT	F5
MINIMUM LOT AREA	5 ACRES
MINIMUM LOT FRONTAGE	450'
MINIMUM FRONT YARD SETBACK	40'
MINIMUM SIDE YARD SETBACK	15'
MINIMUM REAR YARD SETBACK	40'
MAXIMUM BUILDING COVERAGE	20%
MAXIMUM BUILDING HEIGHT	50'



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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*Martin D. Wencel*

Q:\03-52-National Land Surveyors\06-52 Mike Scurka Burrillville Site\ACAD\PLAN-SET\SCURKA (PLAN-SET).dwg Feb. 24, 2007 11:00am

- SOIL EROSION AND SEDIMENTATION CONTROL NOTES**
1. THE SILT FENCE LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT WITHIN OR ADJACENT TO REGULATED FRESHWATER WETLAND AREAS.
  2. THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED, TO REMAIN IN NATURAL CONDITION.
  3. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDING AREAS TO ENSURE THAT A GOOD STAND IS MAINTAINED.

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4. ALL SILT FENCE, TEMPORARY TREATMENT (HAY, STRAW, ETC.) AND TEMPORARY EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
5. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES OF NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED AND/OR STABILIZED PER CONTRACT SPECIFICATIONS.
6. THE HAYBALES (SILT FENCE) SHALL BE CHECKED BY THE CONTRACTOR ON A WEEKLY BASIS AND AFTER EACH STORM FOR UNDERMINING OR DETERIORATION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY HAYBALES (SILT FENCE) AS NEEDED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE HAYBALES (SILT FENCE) BECOMES FILLED WITH SEDIMENTS.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROLS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE RESIDENT ENGINEER WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (HAYBALES (SILT FENCE), SILT FENCE, ETC.) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR RESEEDING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF CONSTRUCTION.
8. ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", DATED 1993.

**BMP MAINTENANCE SCHEDULE**

1. ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES (INCLUDING ROADWAY SIDE SLOPES, FOR STRUCTURAL INTEGRITY, STABILITY AND EVIDENCE OF SOIL EROSION, SHALL INCLUDE MAINTENANCE OF THESE STRUCTURES IF NECESSARY. INSPECTIONS SHALL BE PERFORMED FOLLOWING ALL RAIN EVENTS OF 1/2 INCH RAINFALL OR MORE IN A 24-HOUR PERIOD, OR BIMONTHLY IF NO RAINFALL EVENT OCCURS.
3. UPON COMPLETION OF PROJECT CONSTRUCTION, AND PRIOR TO VACATING THE SITE, THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION, REPAIR ANY VEGETATIVE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, (SEEDING, PLANTING, ETC.) WHERE REQUIRED, AND REPAIR (OR REMOVE WHERE APPROPRIATE) ANY TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL DEVICES. AFTER PERMANENT SOIL STABILIZATION ON THE ENTIRE SITE HAS OCCURRED, ALL TEMPORARY CONTROL MEASURES MUST BE REMOVED.
4. AFTER THE COMPLETION OF PROJECT CONSTRUCTION AND THE FINAL STABILIZATION OF THE ENTIRE SITE, THE INSPECTION AND MAINTENANCE OF ALL STORMWATER FACILITIES MUST BE PERFORMED.
5. REPLANTING, REGRADING, OR OTHER REPAIRS NEEDED AS A RESULT OF SOIL EROSION AND SEDIMENTATION PROCESSES SHALL BE DONE PROMPTLY TO ENSURE PROPER FUNCTIONING OF THE ENTIRE SYSTEM.
6. ANY TRASH, DEBRIS, ETC. SHOULD BE REMOVED FROM ANY WETLAND AREAS, SWALE, AND PIPE OUTLETS

*Christopher D. Wencel*

AP 207 LOT 2  
N/F  
MICHAEL F. & THERESE M. MAGNAN  
VACANT LAND  
D.B. 209 PG. 128

AP 207 LOT 1  
N/F MICHAEL & JOYCE SCURKA  
D.B. 279 PG. 223  
ORIGINAL AREA  
6,491,691 SQ. FT.  
149.0287 ACRES

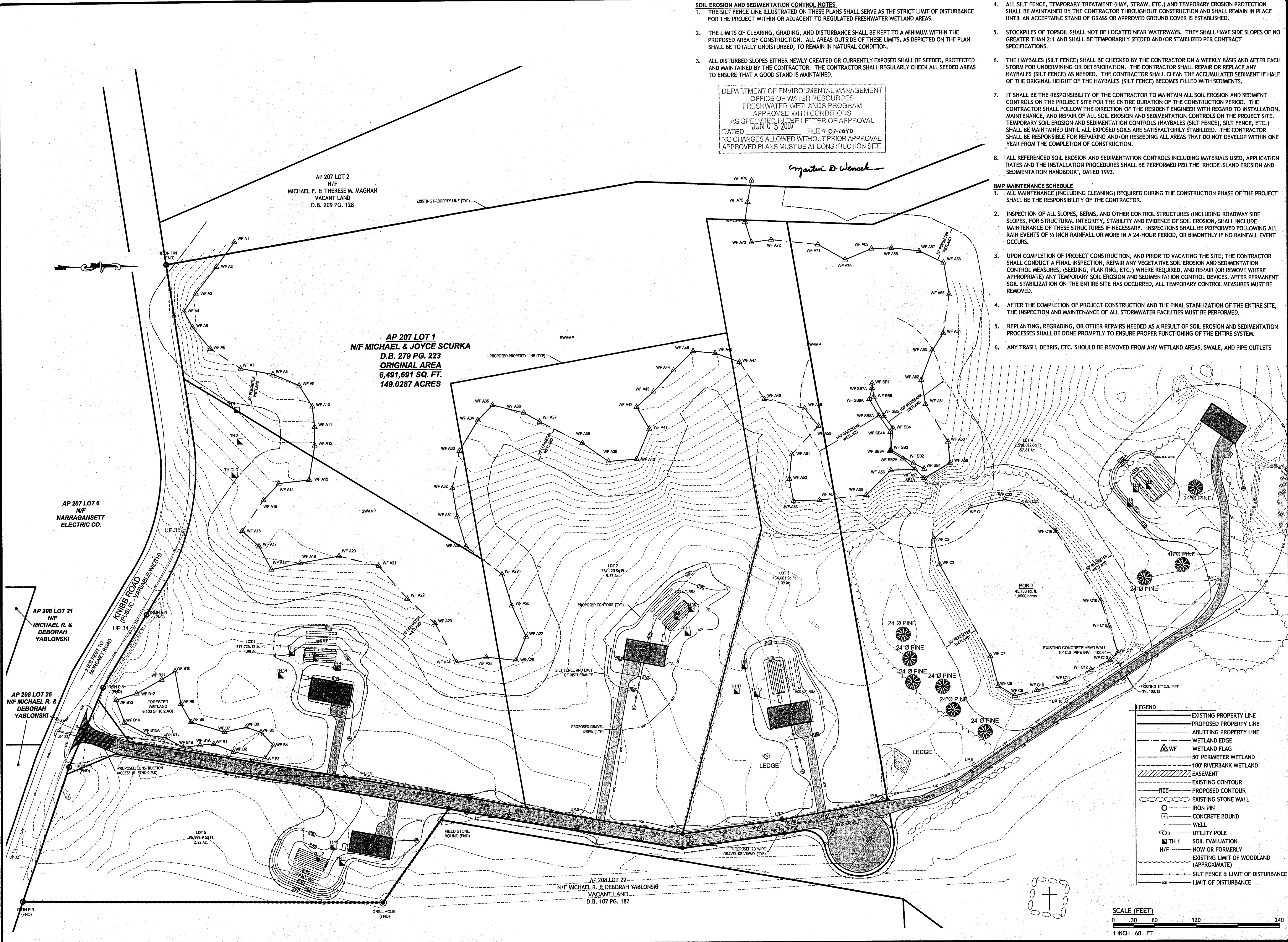
AP 207 LOT 6  
N/F  
NARRAGANSETT  
ELECTRIC CO.

AP 208 LOT 21  
N/F  
MICHAEL R. &  
DEBORAH  
YABLONSKI

AP 208 LOT 28  
N/F MICHAEL R. &  
DEBORAH  
YABLONSKI

AP 208 LOT 22  
N/F MICHAEL R. & DEBORAH-YABLONSKI  
VACANT LAND  
D.B. 107 PG. 182

Q:\03-52-National Land Surveys\03-52 Mike Scurka Burrillville Site\ACAD\PLAN-SET\SCURKA (PLAN-SET).dwg Feb. 23, 2007 4:50pm



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MAR 1 2007  
ENVIRONMENTAL MANAGEMENT  
PROFESSIONAL WATER RESOURCES

**REVISIONS:**

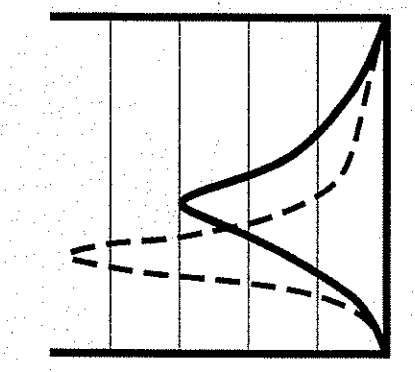
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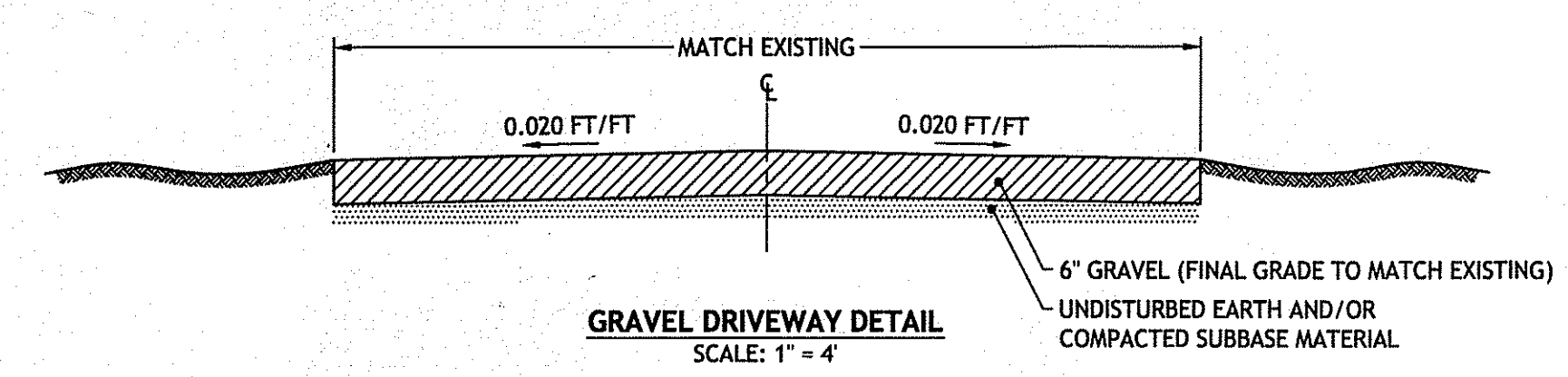
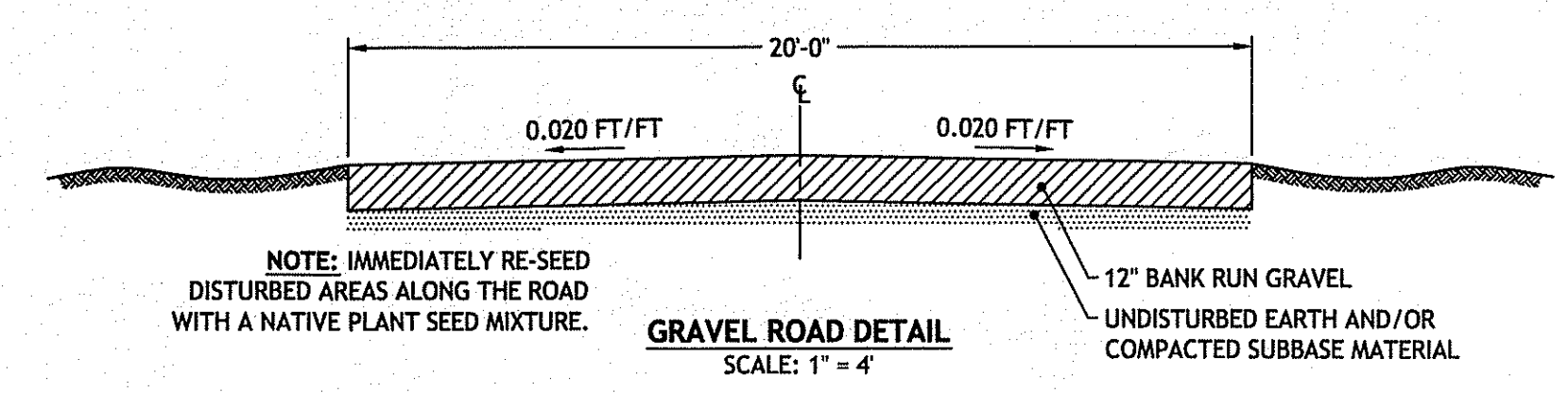
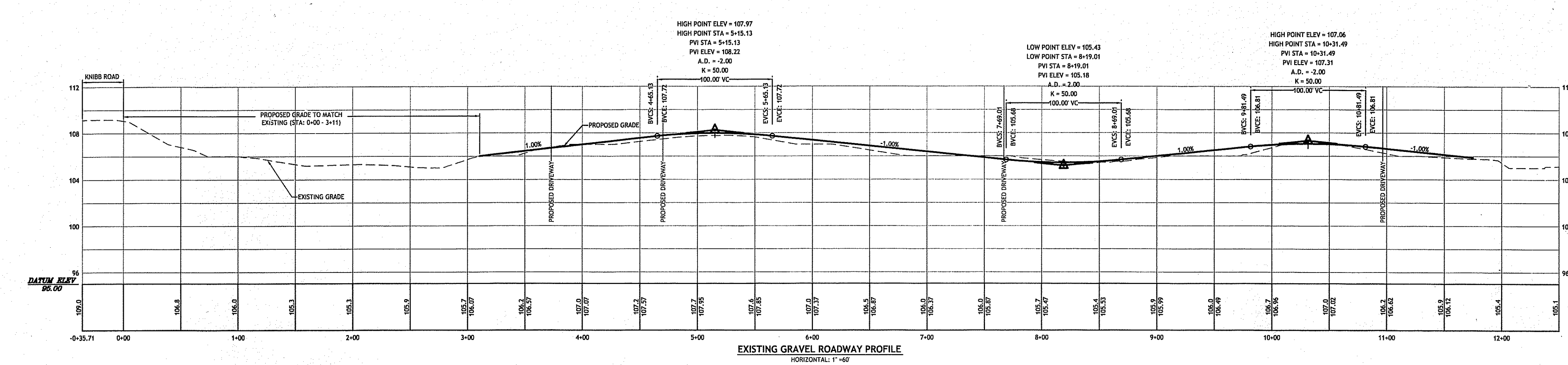
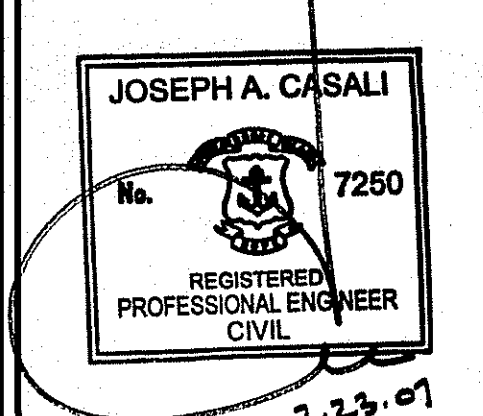
PRELIMINARY, NOT FOR CONSTRUCTION

**GRADING AND DRAINAGE PLAN**

**SHEET 5 OF 6**



**JCE**  
**JOE CASALI ENGINEERING, Inc.**  
 Civil - Site Development - Drainage  
 Wetlands - Floodplain - ISDS  
 300 Post Road, Warwick, RI 02888  
 (401) 944-1300 (401) 944-1313 fax  
 www.joecasalengineering.com



**NEW ENGLAND CONSERVATION/WILDLIFE MIX**

THE NEW ENGLAND CONSERVATION/WILDLIFE MIX PROVIDES A PERMANENT COVER OF GRASSES, FORBS, WILDFLOWERS, LEGUMES AND GRASSES TO PROVIDE BOTH GOOD EROSION CONTROL AND WILDLIFE HABITAT VALUE. THIS MIX IS DESIGNED TO BE A NO MAINTENANCE SEEDING, AND IT IS APPROPRIATE TO CUT AND FILL SLOPES, DETENTION BASINS, AND DISTURBED AREAS ADJACENT TO COMMERCIAL AND RESIDENTIAL PROJECTS.

APPLICATION RATE: 25 LBS/ACRE 1743 SQ.FT.LB

**SPECIES**  
 BIG BLUESTEM (*ANDROPOGON GERARDII*), SWITCHGRASS (*PANICUM VIRGATUM*), LITTLE BLUESTEM (*SCHIZACHYRIUM SCOPARIUM*), CANADA WILD RYE (*ELYMUS CANADENSIS*), FOX SEDGE (*CAREX VULPINOIDEA*), PARTRIDGE PEA (*CHAMAECRISTA FASCICULATE*), FRINGED BROMEGRASS (*BROMUS CILIATUS*), PENNSYLVANIA SMARTWEED (*CHAMAECRISTA FASCICULATA*), COMMON MILKWEED (*ASCLEPIAS SYRIACA*), SHOWYTICK-TREFOIL (*DESMODIUM CANADENSE*), NEW ENGLAND ASTER (*ASTER NOVAE-ANGLIAE*), FLAT-TOP ASTER (*ASTER UMBELLATUS*), NODDING BUR-MARIGOLD (*BIDENS CERNUA*)

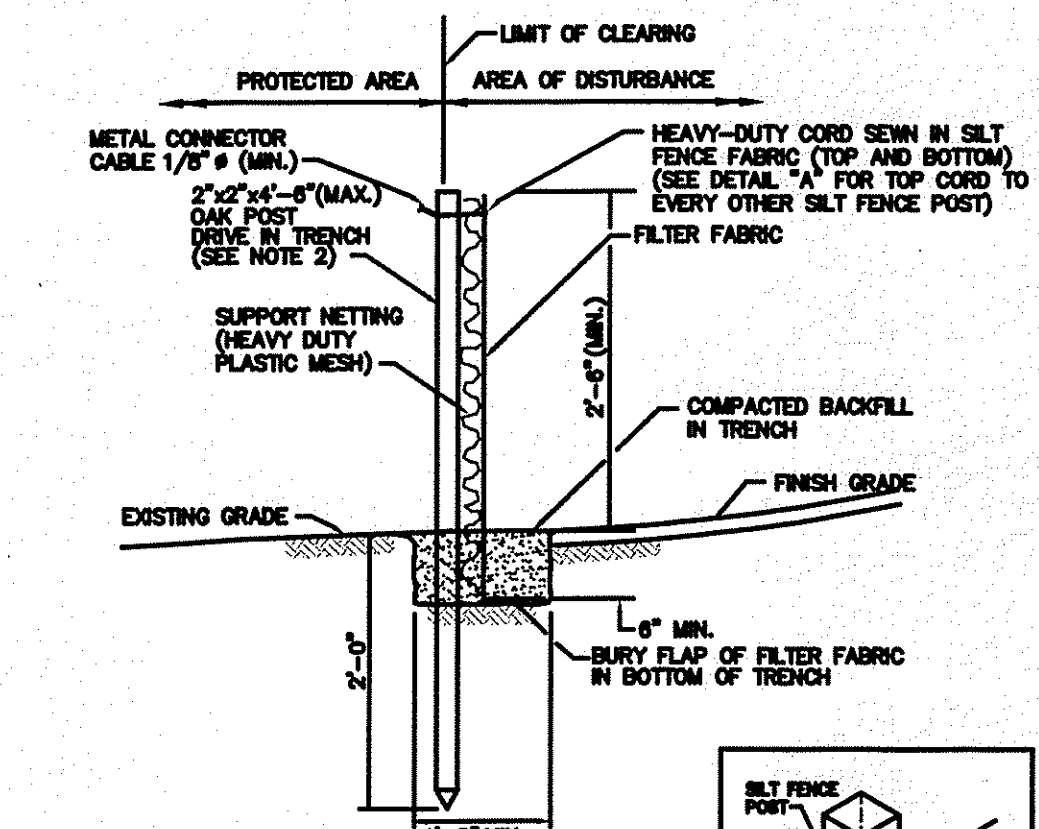
**NEW ENGLAND WILDFLOWER MIX**

THE NEW ENGLAND WILDFLOWER MIX PROVIDES A SELECTION OF NATIVE WILDFLOWERS AND GRASSES TO ENSURE THAT A VARIETY OF THE SPECIES WILL SURVIVE IN ALL CONDITIONS ENCOUNTERED FROM DRY TO MOIST. IT IS AN APPROPRIATE SEED MIX FOR ROADSIDES, COMMERCIAL LANDSCAPING, PARKS, GOLF COURSES, INDUSTRIAL SITES AND AREAS UNDERGOING ECOLOGICAL RESTORATION. THE MIX MAY BE APPLIED BY HYDRO SEEDING ON SLOPES, BY MECHANICAL SPREADER, OR ON SMALL SITES IT MAY BE SPREAD BY HAND. WHEN APPLYING ON BARE SOIL, RAKE THE SOIL TO CREATE GROOVES, APPLY SEED, THEN LIGHTLY RAKE OVER. IN NEW ENGLAND, THE BEST RESULTS ARE OBTAINED WITH AN EARLY SPRING SEEDING. SUMMER SEEDING CAN BE SUCCESSFUL WITH A LIGHT MULCHING OF WEED FREE STRAW TO CONSERVE MOISTURE. LATE FALL AND WINTER DORMANT SEEDING REQUIRE A SLIGHT INCREASE IN THE SEEDING RATE. FERTILIZATION IS NOT REQUIRED UNLESS THE SOILS ARE PARTICULARLY FERTILE.

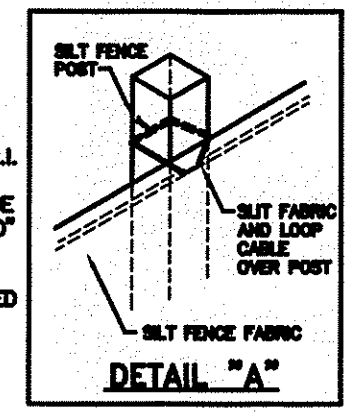
APPLICATION RATE: 15 LBS/ACRE 2904 SQ.FT./LB

**SPECIES**  
 CREEPING RED FESCUE (*FESTUCA RUBRA*), LITTLE BLUESTEM (*SCHIZACHYRIUM SCOPARIUM*), INDIAN GRASS (*SORGHASTRUM NUTANS*), PARTRIDGE PEA (*CHAMAECRISTA FASCICULATA*), WILD BLUE LUPINE (*LUPINUS PERENNIS*), CANADA WILD RYE (*ELYMUS CANADENSIS*), ZIGZAG ASTER/NEWYORK ASTER MIX (*ASTER PRENANTHOIDES/NOVI-BELGI MIX*), NEW ENGLAND ASTER (*ASTER NOVAE-ANGLIAE*), WILD SENNA (*CASSIA HEBECARPA*), COMMON MILKWEED (*ASCLEPIAS SYRIACA*), GOLDEN ALEXANDERS (*ZIZIA AUREA*), BUTTERFLY MILKWEED (*ASCLEPIAS TUBEROSA*).

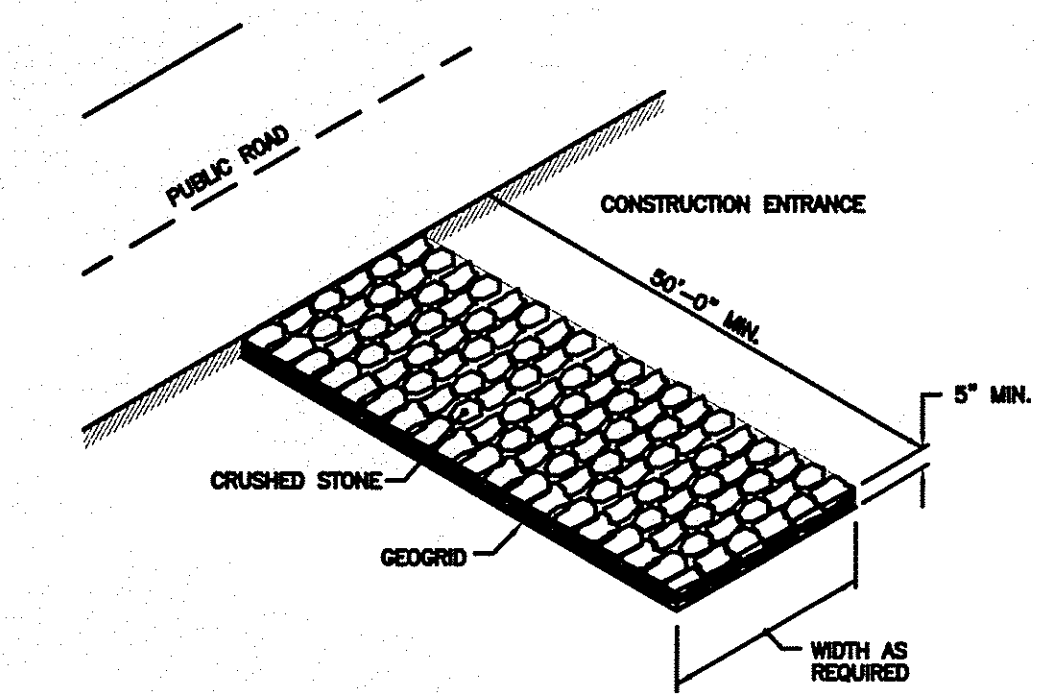
**NOTE:** SEED MIX MAY BE PURCHASED FROM NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA (PHONE: 413-548-8000).



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



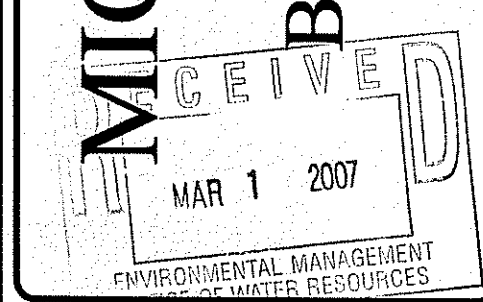
SILT FENCE DETAIL  
 R.I. STANDARD 9.2.0



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

CONSTRUCTION ACCESS  
 R.I. STANDARD 9.9.0

**MICHAEL & JOYCE SCURKA**  
 KNIBB ROAD  
 BURRILLVILLE, RHODE ISLAND  
 AP 207 LOT 1



**REVISIONS:**

NO.	DATE	DESCRIPTION

DESIGNED BY: GACIWA  
 DRAWN BY: GAH  
 CHECKED BY: DMD  
 DATE: FEBRUARY 2007  
 PROJECT NO: 06-52J

PRELIMINARY, NOT FOR CONSTRUCTION

**DETAILS**

**SHEET 6 OF 6**

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JUN 01 2007 FILE # 07-0090  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

*Christopher D. Wencel*