

GENERAL NOTES

1. LATITUDE AND LONGITUDE COORDINATES WERE TAKEN FROM UNITED STATES GEOLOGICAL SURVEY MAP DATED 1954 AND PHOTOREVISED IN 1970 AND 1975. MAP NAME: GEORGIAVILLE, R.I.; MAP No. N4152.5 W7130/7.5. POLYCONIC PROJECTION, 1927 NORTH AMERICAN DATUM.

LATITUDE: 71°-31'-04"
LONGITUDE: 41°-59'-56"
REFER TO NOTE No. 2

ZONING CRITERIA

Zone MU-2
Minimum area 6,000 sq.ft.
front setback 20'
side setback 10'
rear setback 25'

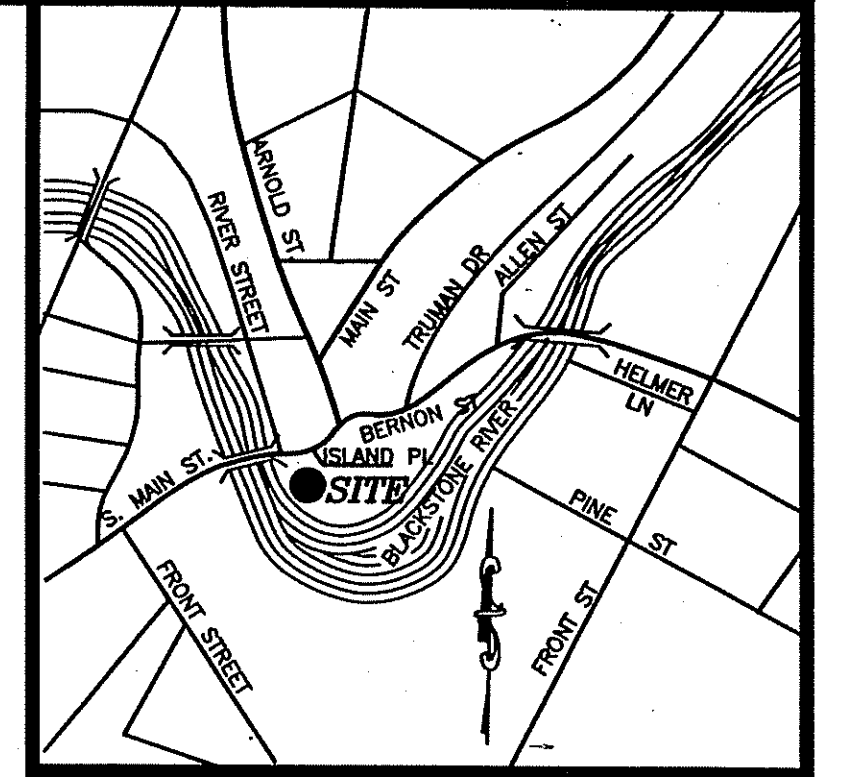
FEMA Floodplain Map 44007C0157G

REFERENCES

1.) Map of land in Woonsocket, R.I. Belonging to City of Woonsocket by Caputo and Wick LTD recorded in Engineering Dept. # 65-1624

2.) Site Plan of Land for Woonsocket Industrial Industrial Development Woonsocket, Rhode Island November 1988 revised 2-20-89 revised 6-25-90 scale 1" = 20'

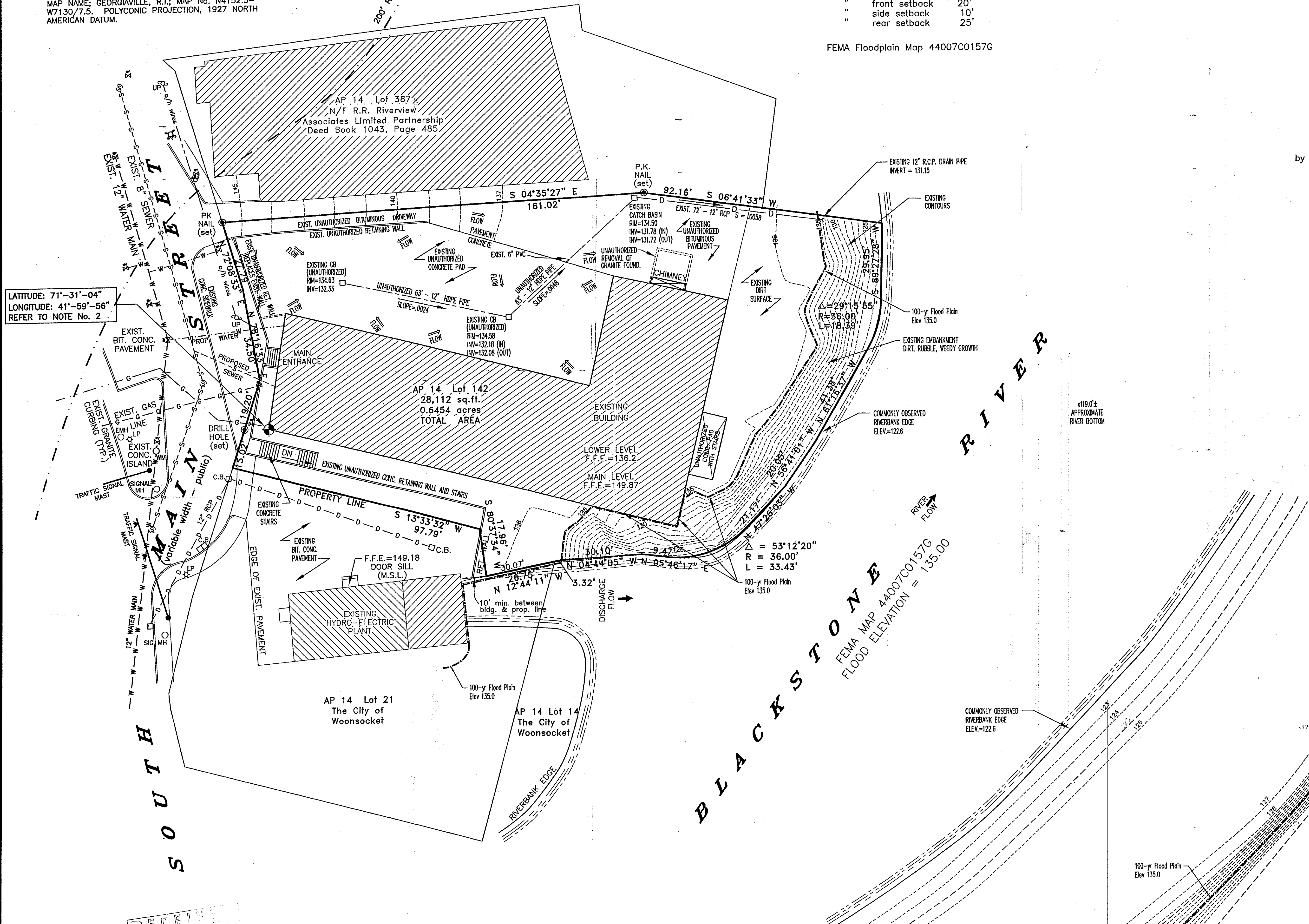
by Robert C. Cournoyer & Assoc., Inc. recorded in Engineering Dept.



Locus Map
NOT TO SCALE

LEGEND
NOT TO SCALE

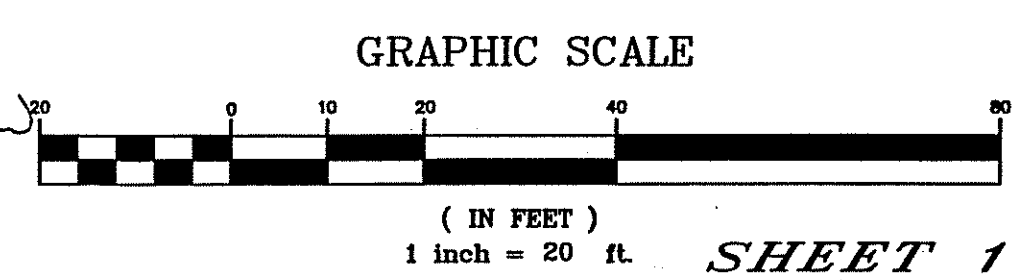
- ⊘ WATER SHUT OFF VALVE
- C.B. □ CATCH BASIN
- UP ○ UTILITY POLE
- SIG ○ SIGNAL MANHOLE
- ⊕ LIGHT POLE
- ⊕ GAS GATE
- ⊕ WATER GATE
- ⊕ SEWER MANHOLE
- ⊕ DRILL HOLE \ P. K. NAIL
- ⊕ HYDRANT
- D — DRAIN LINE
- G — GAS LINE
- S — SEWER LINE
- W — WATER LINE
- o/h wires — OVERHEAD WIRES
- x — x — EROSION CONTROL \ SILT FENCE
- — — — — PROPERTY LINE
- — — — — EXISTING CONTOUR LINES
- [130] — — — — — PROPOSED CONTOUR LINES
- — — — — 100-YR FLOOD PLAIN
- x131.0 EXISTING SPOT GRADE ELEVATION
- [136] PROPOSED SPOT GRADE ELEVATION
- F.F.E.=149.18 FINISH FLOOR ELEVATION
- CONC. CONCRETE
- PROP. PROPOSED
- EXIST. EXISTING
- R.I.D.E.M. RHODE ISLAND DEPARTMENT ENVIRONMENTAL MANAGEMENT
- BIT. CONC. BITUMINIOUS CONCRETE
- M.S.L. MEAN SEA LEVEL
- RCP REINFORCED CONCRETE PIPE
- INV INVERT
- C.B. CATCH BASIN
- PVC POLYVINYL CHLORIDE
- BIT. BITUMINOUS
- R.C.P. REINFORCED CONCRETE PIPE



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED FEB 9 2011 FILE # 09-0135
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Herlihy

Existing Site Plan
for
Gary Fernandes
839 Social Street
Woonsocket, Rhode Island
AP 14 Lot 142
South Main Street
Woonsocket, Rhode Island
JANUARY, 2003

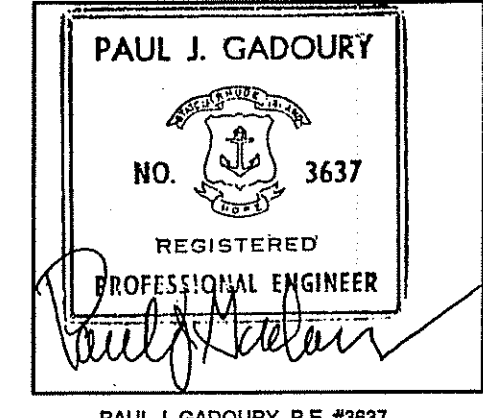


NO.	DATE	DESCRIPTION	BY
2	05/27/10	REVISIONS	PRL
1	08/21/08	REVISIONS	JES
NO.	08/21/08	DESCRIPTION	BY

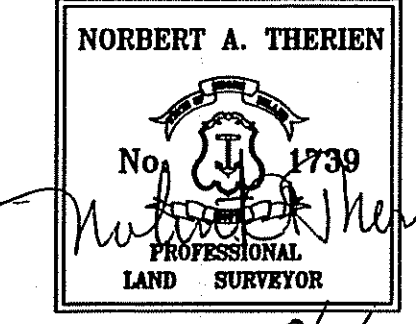
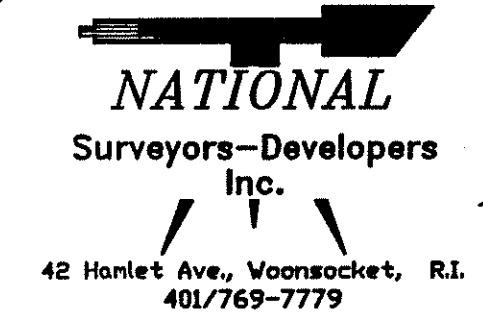


I certify that the information shown hereon has been obtained by an actual survey on the ground, that it is correct and this survey and plan conform to a CLASS I Standard as adopted by the Rhode Island Board of Registration for Professional Land Surveyors.

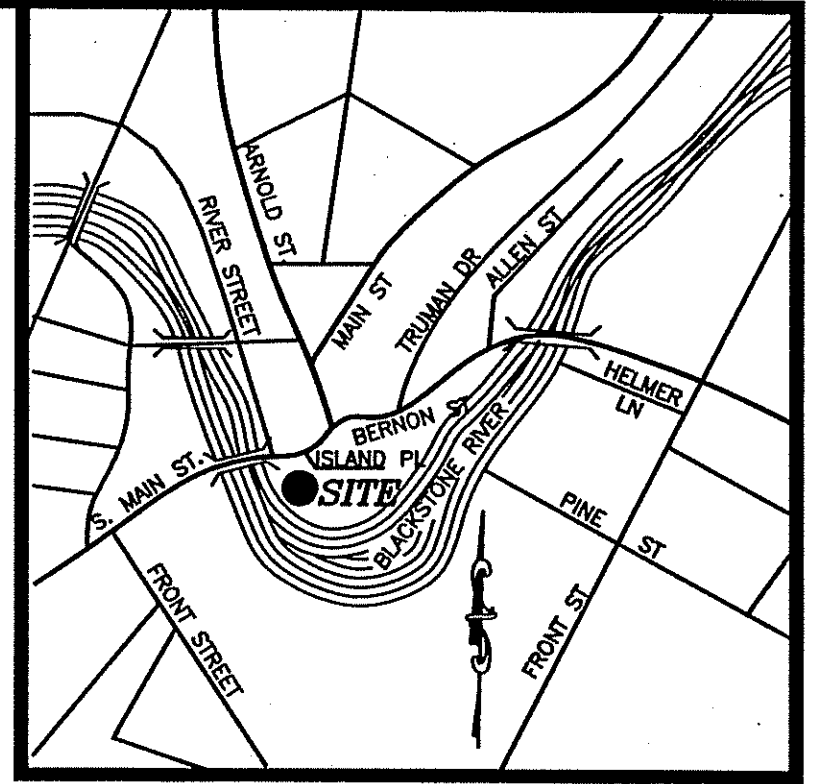
By: *Norbert A. Therien*
Norbert A. Therien P.L.S.



PAUL J. GADOURY, P.E. #2637
1 SOUTHBURY ROAD
CUMBERLAND, RHODE ISLAND 02864



LATITUDE AND LONGITUDE COORDINATES WERE TAKEN FROM UNITED STATES GEOLOGICAL SURVEY MAP DATED 1954 AND PHOTOREVISED IN 1970 AND 1975. MAP NAME: GEORGIAVILLE, R.I.; MAP No. N4152.5-W7130/7.5. POLYCONIC PROJECTION, 1927 NORTH AMERICAN DATUM.



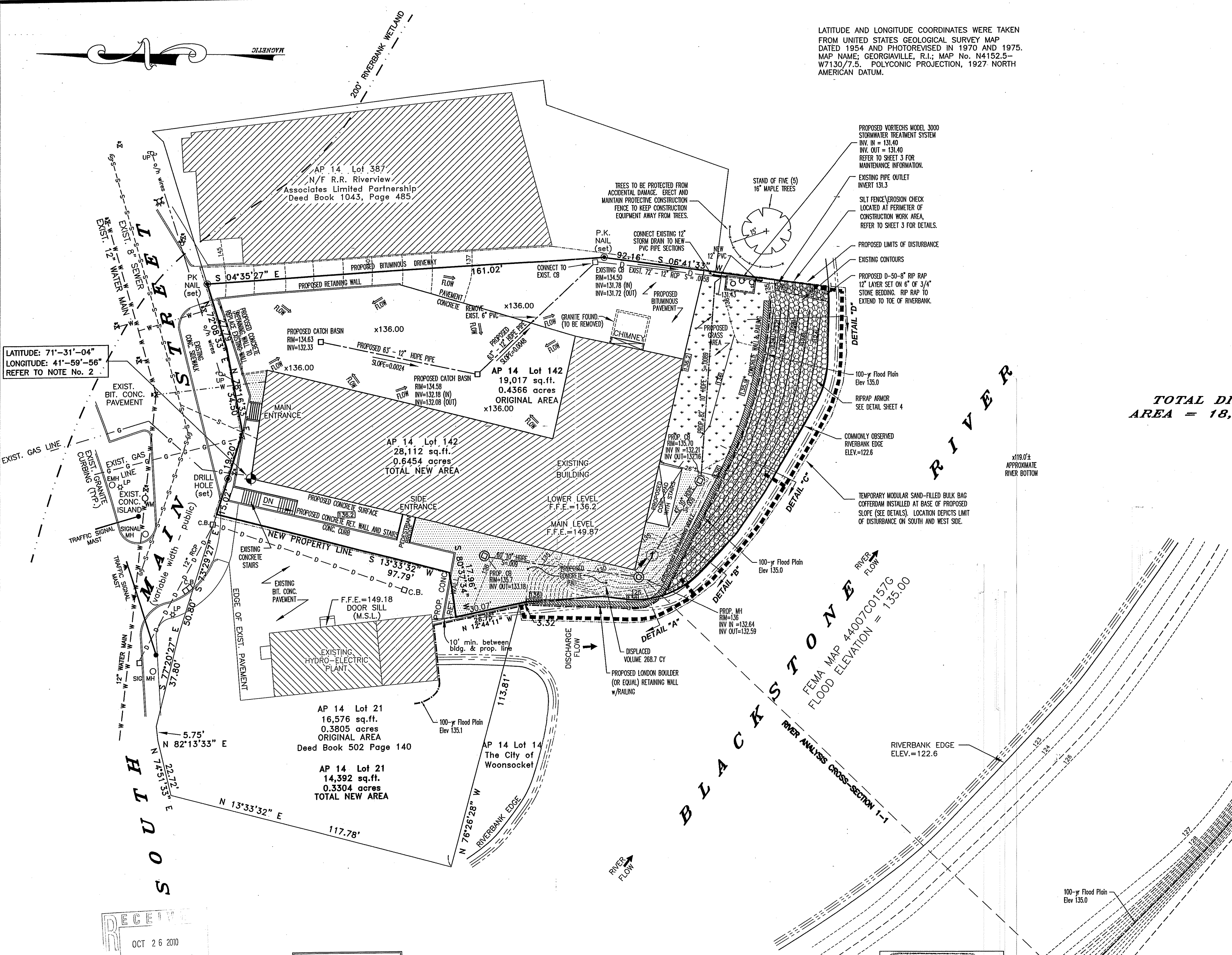
Locus Map
NOT TO SCALE

LEGEND
NOT TO SCALE

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- C.B. CATCH BASIN
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TOTAL DISTURBED AREA = 18,770 SQ. FT.

LATITUDE: 71°-31'-04"
LONGITUDE: 41°-59'-56"
REFER TO NOTE No. 2



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
SEWAGE WETLANDS PROGRAM
APPROVED WITH CONDITIONS
REVIEWED IN THE LETTER OF APPROVAL
FEB 29 2011 FILE # 09-035
CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

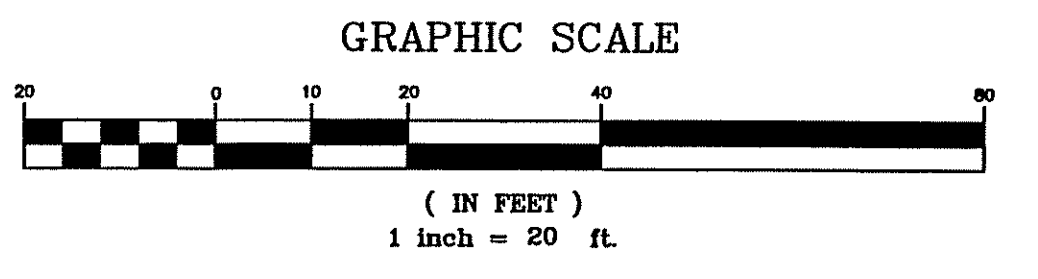
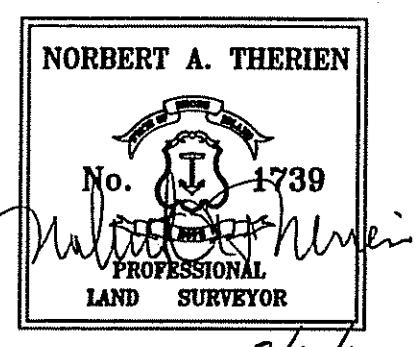
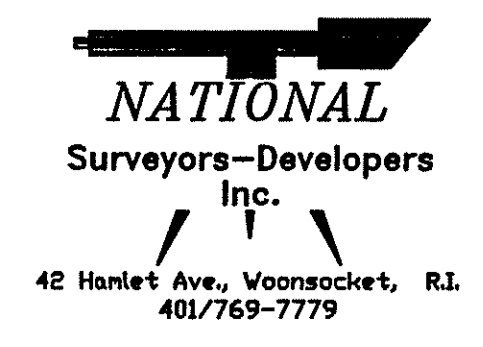
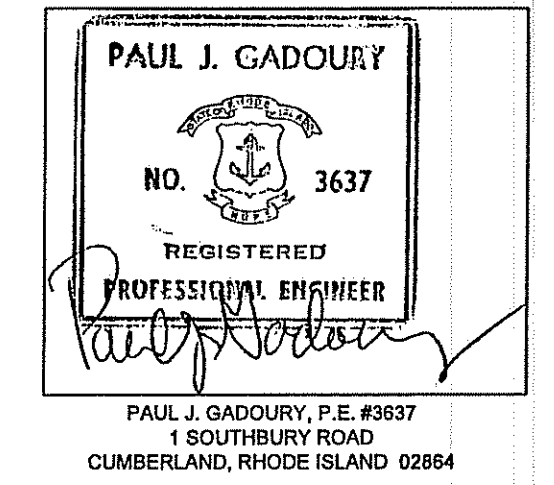
Charles A. Therien
Proposed Site Plan
for
Gary Fernandes
839 Social Street
Woonsocket, Rhode Island
AP 14 Lot 142
South Main Street
Woonsocket, Rhode Island
JULY 2006

NO.	DATE	DESCRIPTION	BY
6	8/15/10	REVISIONS	PG
5	05/27/10	REVISIONS	PRL
4	08/21/08	REVISIONS	JES
3	12/10/02	REVISED VORTECHS TANK SYSTEM	DRD
2	6/6/02	ADDED NEW DRAINAGE & C.B.'s	DRD
1	8/27/01	REVISED PROPERTY LINE	DRD



I certify that the information shown hereon has been obtained by an actual survey on the ground, that it is correct and this survey and plan conform to a CLASS I Standard as adopted by the Rhode Island Board of Registration for Professional Land Surveyors.

By: *Norbert A. Therien*
Norbert A. Therien P.L.S.



SOIL EROSION AND SEDIMENTATION CONTROL NOTES

THE HAYBALE AND 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.

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.

ALL CATCH BASINS SHALL BE PROTECTED WITH STAKED HAYBALES (R.I. STD. 9.8.0) DURING CONSTRUCTION ACTIVITIES. ALL PROPOSED STORMWATER DISCHARGE AREAS SHALL BE LINED WITH A RIPRAP SPLASH PAD AND PROTECTED WITH STAKED HAYBALE OUTLET PROTECTION (R.I. STD. 9.1.0), OR STAKED HAYBALE WITH SILT FENCE (R.I. STD. 9.3.0) SHALL ALSO BE INSTALLED AT ALL EXISTING STORMWATER DISCHARGE LOCATIONS WHERE DISTRIBUTING PIPES, CATCH BASINS, AND MANHOLES ARE TO BE CLEANED AND FLUSHED.

ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL RECEIVE TEMPORARY EROSION PROTECTION TREATMENT. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR A FIBER LINING (JUTE, BURLAP, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3000 - 4000 LBS. PER ACRE. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED IMMEDIATELY AFTER FINAL GRADING.

ALL HAYBALES, 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.

STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS OR WETLAND EDGES, THEY SHALL HAVE SIDE SLOPES OF NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED AND/OR STABILIZED PER CONTRACT SPECIFICATIONS.

THE HAYBALES 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 AS NEEDED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED WITH SEDIMENTS.

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, 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.

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.

ORDER OF PROCEDURE

ALL SEDIMENT CONTROL DEVICES SHALL SET IN PLACE PRIOR TO THE START OF ANY CONSTRUCTION.

ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY CLEANED AND MAINTAINED AS PER THE RESPECTIVE PROGRAMS DURING THE CONSTRUCTION.

IF WORK PROGRESS IS INTERRUPTED AT ANY TIME, REFERENCE EROSION & SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.

SPECIFIED PLANTINGS ARE TO TAKE PLACE IN EARLY SPRING (APRIL 1 THRU MAY 30) OR EARLY FALL (SEPTEMBER 1 THRU 30) AND ARE TO BE MAINTAINED FOR A PERIOD OF ONE GROWING SEASON AND SHALL BE REPLACED IF NECESSARY.

BMP MAINTENANCE SCHEDULE

ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE:

INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES INCLUDING ROADWAY SIDE SLOPES, FOR STRUCTURAL INTEGRITY/STABILITY AND EVIDENCE OF SOIL EROSION PROCESSES, AND 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 BI-MONTHLY IF NO RAINFALL EVENT OCCURS.

REPLANTING, REGRADING, OR OTHER REPAIRS NEEDED AS A RESULT OF SOIL EROSION AND SEDIMENTATION PROCESSES SHALL BE DONE PROMPTLY.

SITE PLAN NOTES

DETAILED ENGINEERING REVIEW FOR PROPOSED UTILITIES COVERED UNDER SEPERATE SUBMISSION, TO GOVERNING AGENCIES. THE DETAILED ENGINEERING PLANS FOR UTILITIES INSTALLATION AND CONNECTION HAVE NOT BEEN PROVIDED UNDER THIS SUBMISSION.

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.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY AND VEHICULAR SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)

TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DIVIDES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.

ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELING DEVICES, ETC. SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION AND SUBSEQUENT ADDENDA.

SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.

ESTABLISHMENT OF VEGETATIVE COVER

ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I. STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 202.

SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.

THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATION M.20.

EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED. LIME AND FERTILIZE AS REQUIRED BY SOIL TESTING TO COMPLEMENT OR UPGRADE EXISTING CONDITIONS.

VORTECHS SYSTEM MAINTENANCE

Responsibility for maintenance and regular cleaning of the stormwater drainage system and the Vortechs stormwater treatment system shall be that of the property owner.

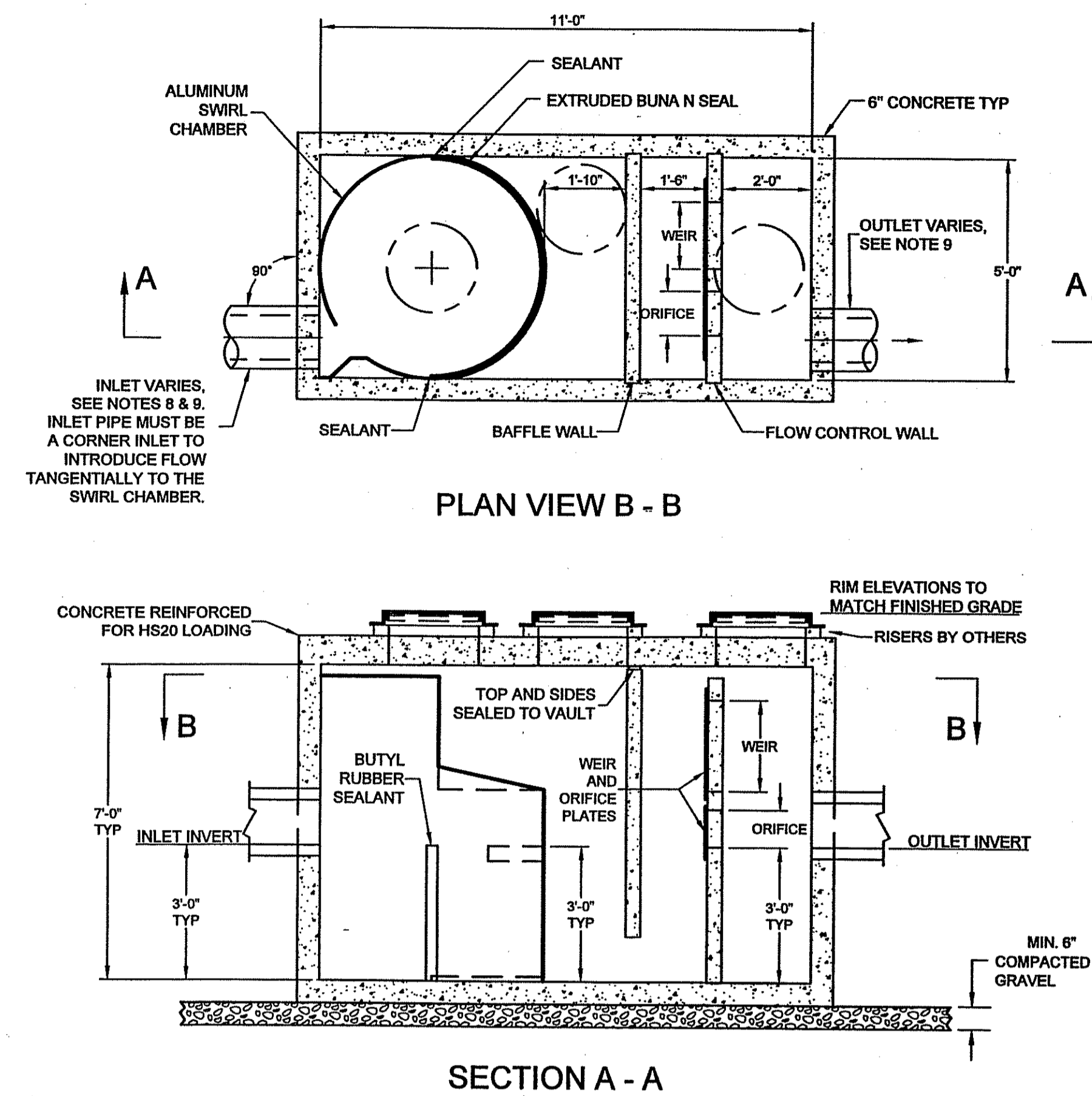
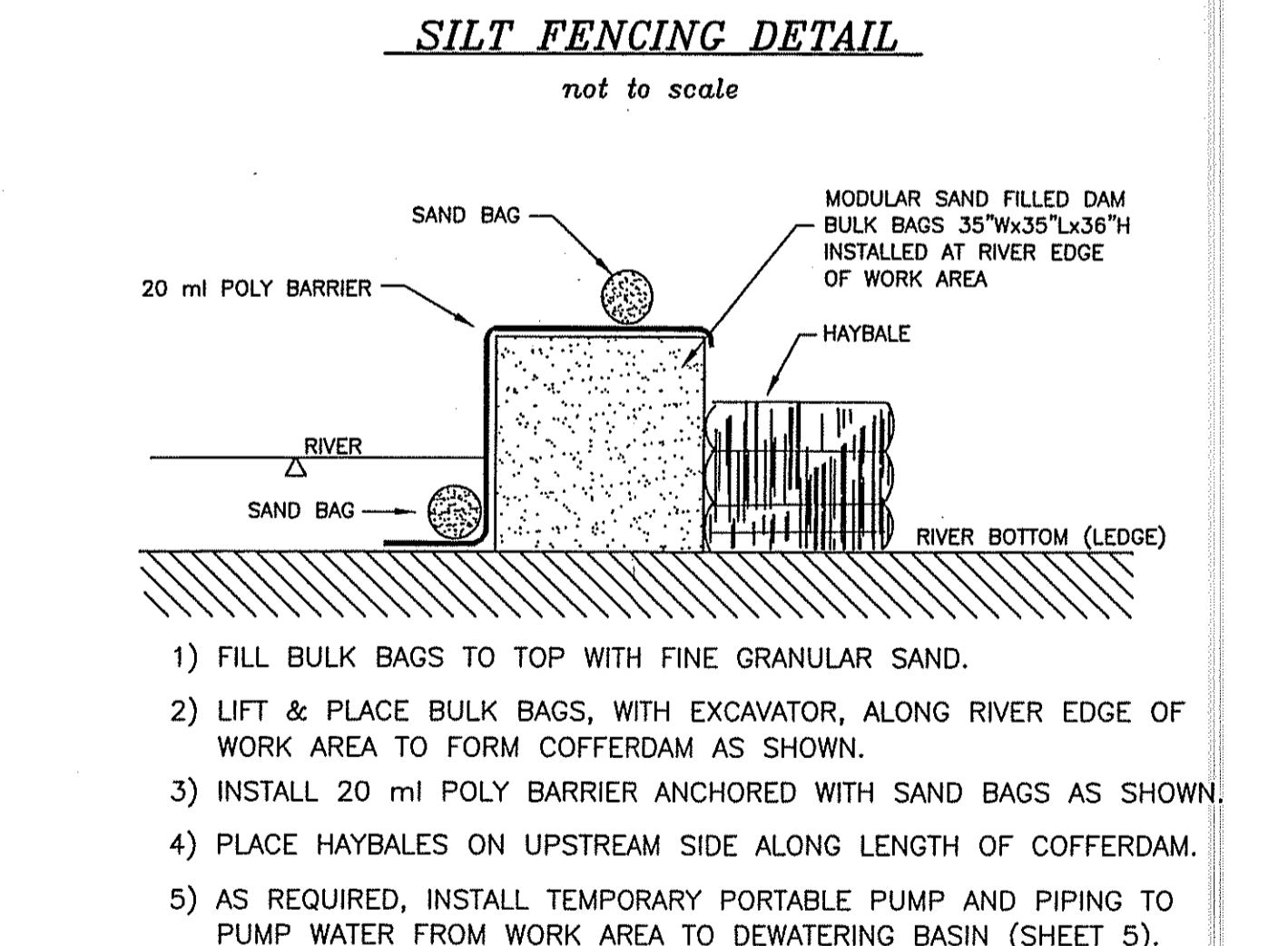
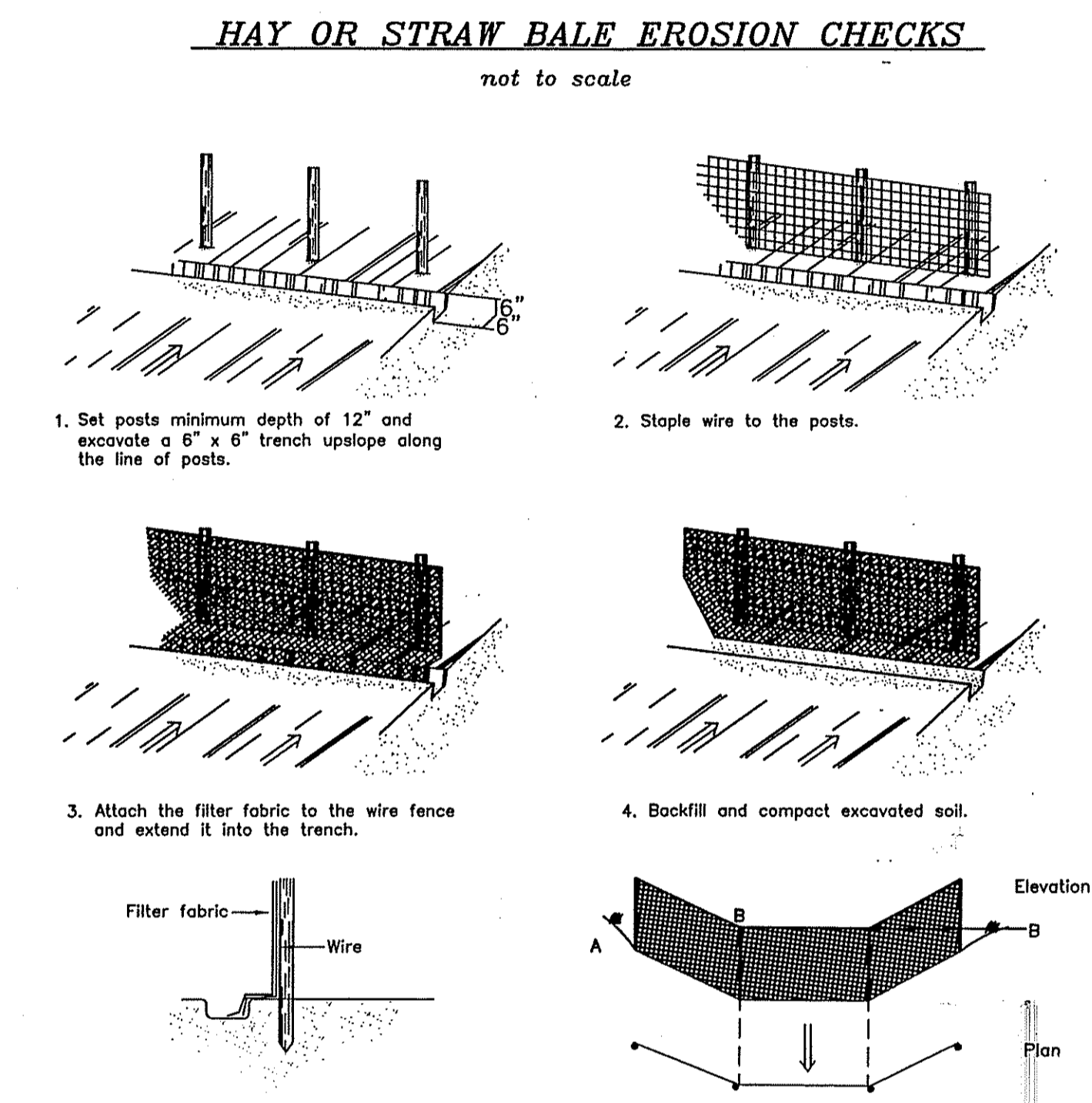
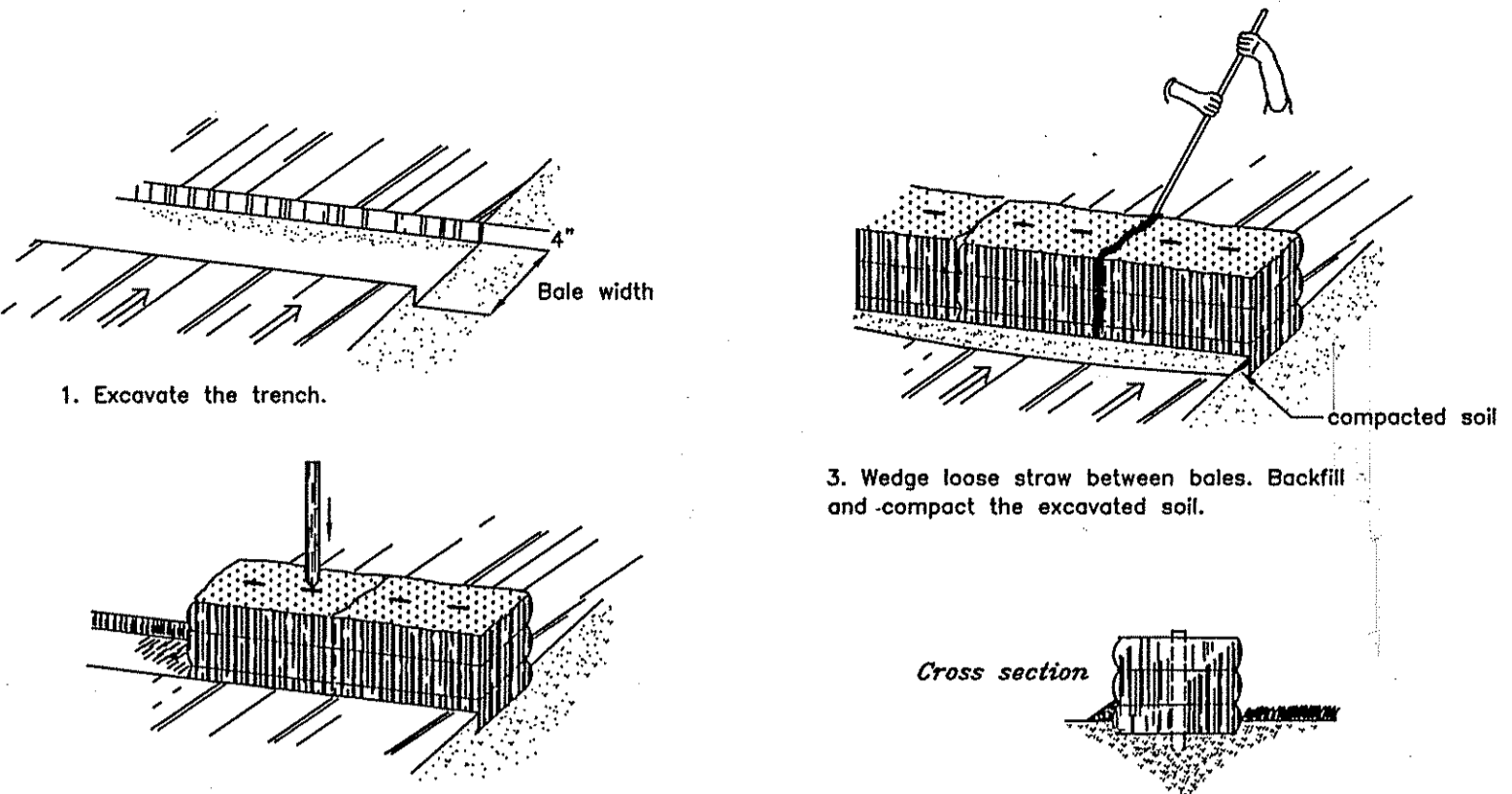
The Vortechs system shall be inspected at regular intervals and maintained as necessary to ensure optimum performance. Initial inspections shall be done every two (2) months to monitor rate of sediment accumulation and determine frequency of cleaning required. Thereafter, Vortechs system shall be inspected at a minimum of quarterly year intervals or more frequently as has been determined to prevent excess accumulation of sediment.

System shall be cleaned when inspection reveals that the top of the sediment pile has accumulated to within 12 to 18 inches inches of the dry-weather water surface elevation.

Cleaning of the system should be done during dry weather conditions when no flow is entering the system. Cleanout with a vacuum truck is the most effective and preferable method of excavating pollutants from the system. If not available, a "clamshell" grab may be used.

Disposal of all material removed from the Vortechs system shall be done in accordance with local regulations.

Maintenance of the Vortechs system shall be done in complete accordance with the manufacturer's instructions that are provided with the unit



- NOTES:**
1. STORMWATER TREATMENT SYSTEM (SWTS) SHALL HAVE:
PEAK TREATMENT CAPACITY: 4.5 CFS
SEDIMENT STORAGE: 1.8 CU YD
SEDIMENT CHAMBER DIA: 5' MIN
 2. SWTS SHALL BE CONTAINED IN ONE RECTANGULAR STRUCTURE
 3. SWTS REMOVAL EFFICIENCY SHALL BE DOCUMENTED BASED ON PARTICLE SIZE
 4. SWTS SHALL RETAIN FLOATABLES AND TRAPPED SEDIMENT UP TO AND INCLUDING PEAK TREATMENT CAPACITY
 5. SWTS INVERTS IN AND OUT ARE TYPICALLY AT THE SAME ELEVATION
 6. SWTS SHALL NOT BE COMPROMISED BY EFFECTS OF DOWNSTREAM TAILWATER
 7. SWTS SHALL HAVE NO INTERNAL COMPONENTS THAT OBSTRUCT MAINTENANCE ACCESS
 8. INLET PIPE MUST BE PERPENDICULAR TO THE STRUCTURE
 9. PIPE ORIENTATION MAY VARY; SEE SITE PLAN FOR SIZE AND LOCATION
 10. PURCHASER SHALL NOT BE RESPONSIBLE FOR ASSEMBLY OF UNIT
 11. MANHOLE FRAMES AND PERFORATED COVERS SUPPLIED WITH SYSTEM, NOT INSTALLED
 12. PURCHASER TO PREPARE EXCAVATION AND PROVIDE CRANE FOR OFF-LOADING AND SETTING AT TIME OF DELIVERY
 13. VORTECHS SYSTEMS BY CONTECH STORMWATER SOLUTIONS; PORTLAND, OR (800) 546-4667; SCARBOROUGH, ME (877) 907-8676; LINTHICUM, MD (866) 740-3318.

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Charles A. Hester

Erosion/Sediment Control Details for Gary Fernandes

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AP 14 Lot 142
South Main Street
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JULY 2006
Scale: As Noted

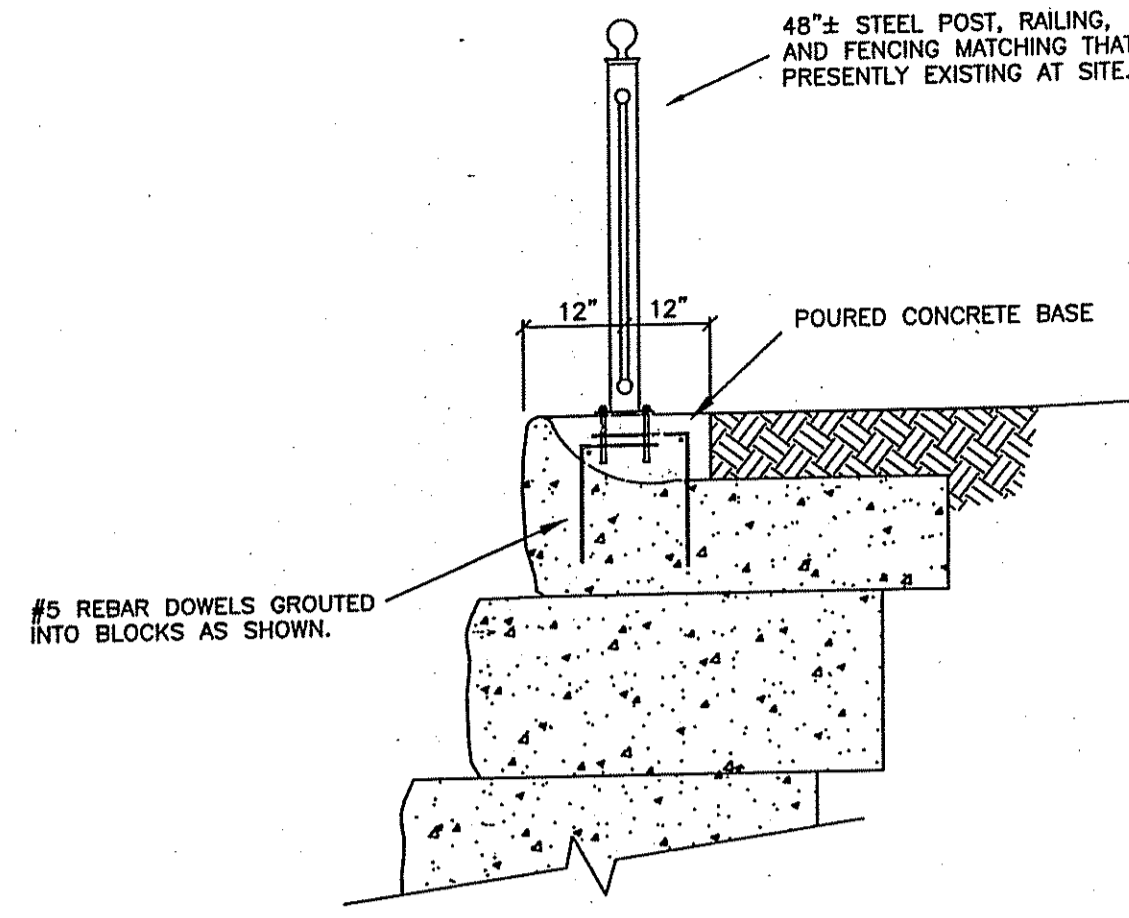
NORBERT A. THERIEN
No. 1739
PROFESSIONAL LAND SURVEYOR
8/17/10

NATIONAL Surveyors-Developers Inc.
42 Hanlet Ave., Woonsocket, R.I. 401/769-7779

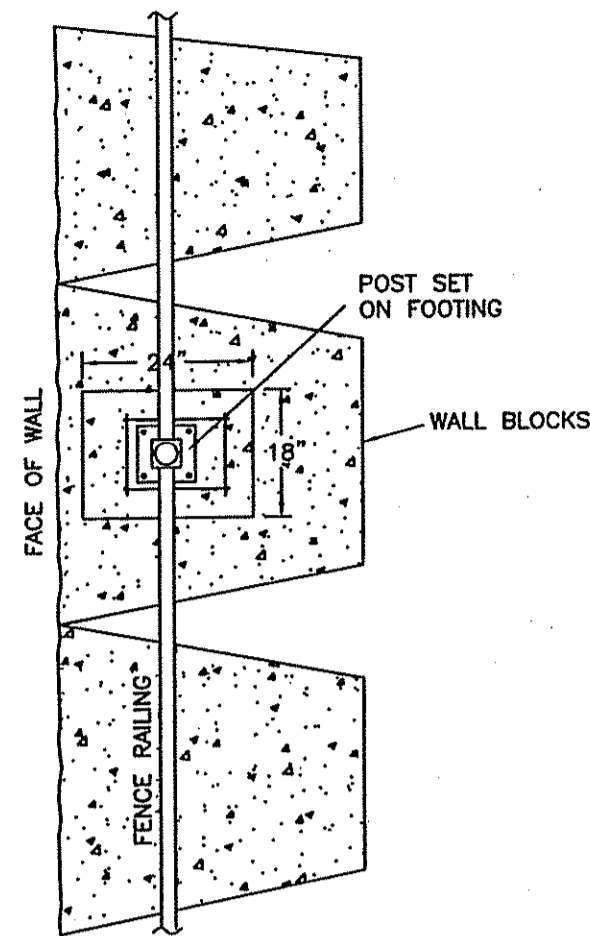
PAUL J. GADOURY
NO. 3637
REGISTERED PROFESSIONAL ENGINEER
PAUL J. GADOURY, P.E. #9837
1 SOUTHBURY ROAD
CLUMBERLAND, RHODE ISLAND 02864

OCT 26 2010

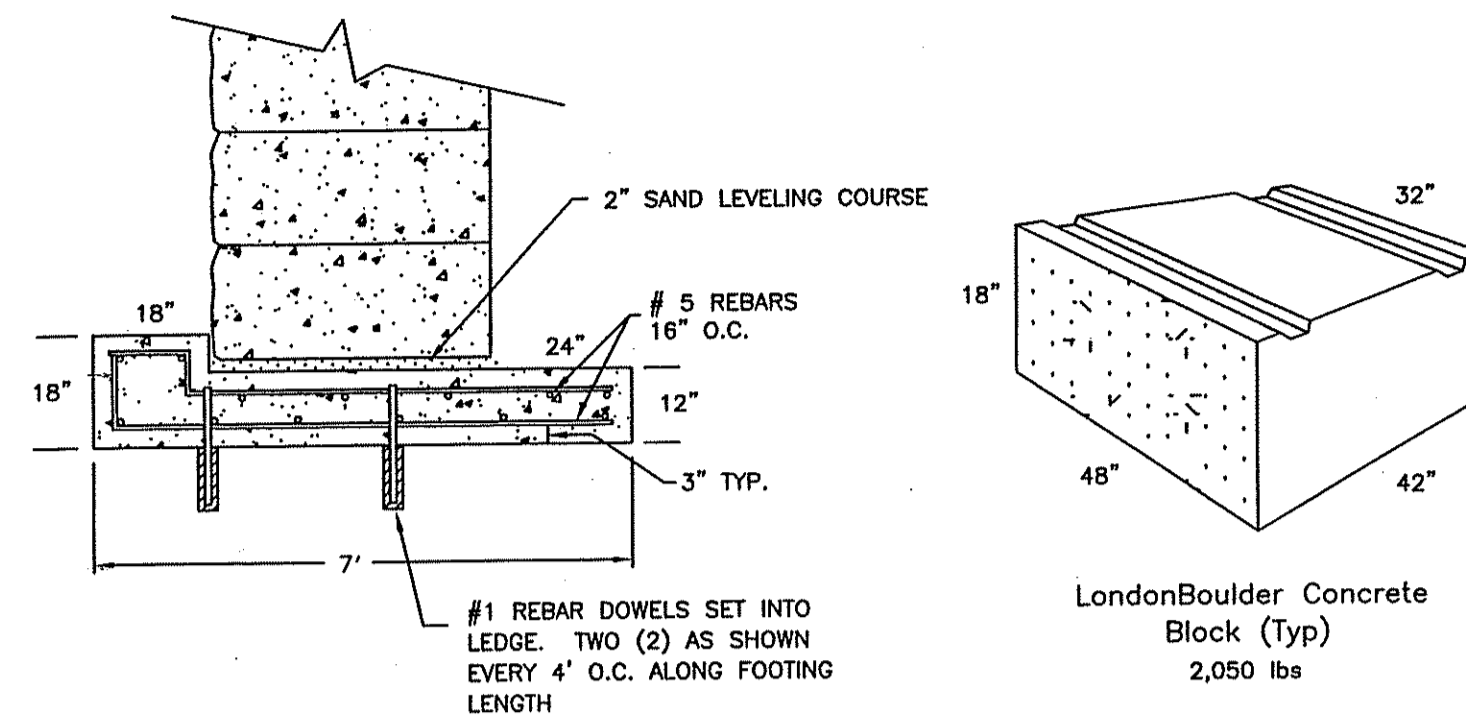
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3	5/15/09	DETAIL REVISIONS	JML
2	08/21/08	DETAIL REVISIONS	JES
1	12/10/02	ADDED VORTECHS MAINTENANCE INFO	DRD



POST/RAILING SECTION
not to scale



POST/RAILING PLAN VIEW
not to scale



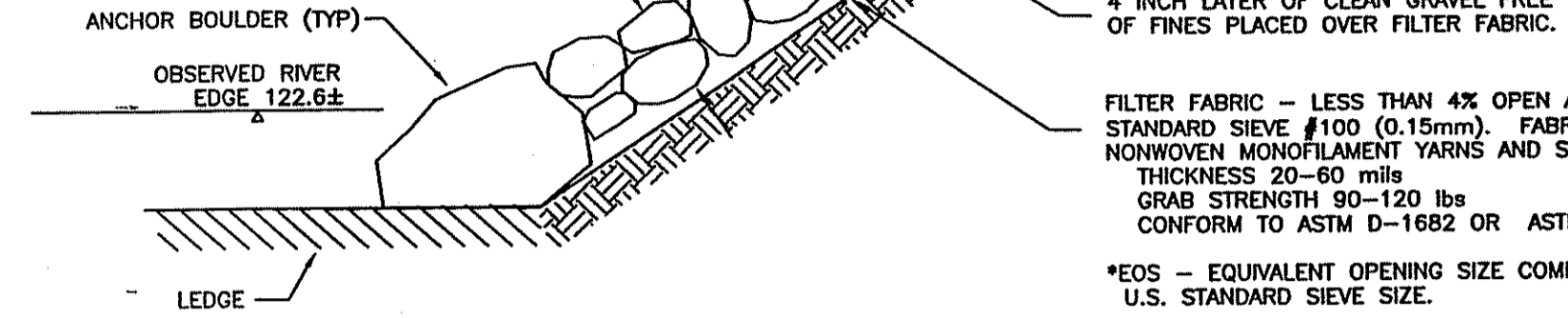
LONDON BOULDER BLOCK DETAIL
not to scale

RIPRAP STONE SHALL CONSIST OF SUB-ANGULAR FIELD STONE OR ROUGH UNHEWN QUARRY STONE.

STONE SIZE SHALL BE IN ACCORDANCE WITH THE FOLLOWING GRADATION:

D₆₀ = 6 inches
D₃₀ = 6 inches
D₁₀₀ = 12 inches (Max. size)

DESIGNATION INDICATES MAXIMUM PERCENTAGE OF STONES BY WEIGHT WHICH SHALL BE LESS THAN OR EQUAL TO THE GIVEN SIZE INDICATED, EXPRESSED AS THE EQUIVALENT SPHERICAL DIAMETER. EXAMPLE: D₁₅ = 6" DESIGNATES THAT NO MORE THAN 15% OF STONE MIX BY WEIGHT WILL HAVE AN EQUIVALENT SPHERICAL DIAMETER LESS THAN OR EQUAL TO 6 INCHES, OR ALTERNATIVELY, THAT 85% OF STONE BY WEIGHT SHALL BE GREATER IN SIZE THAN 6 INCHES.



RIVER SLOPE DETAIL
not to scale

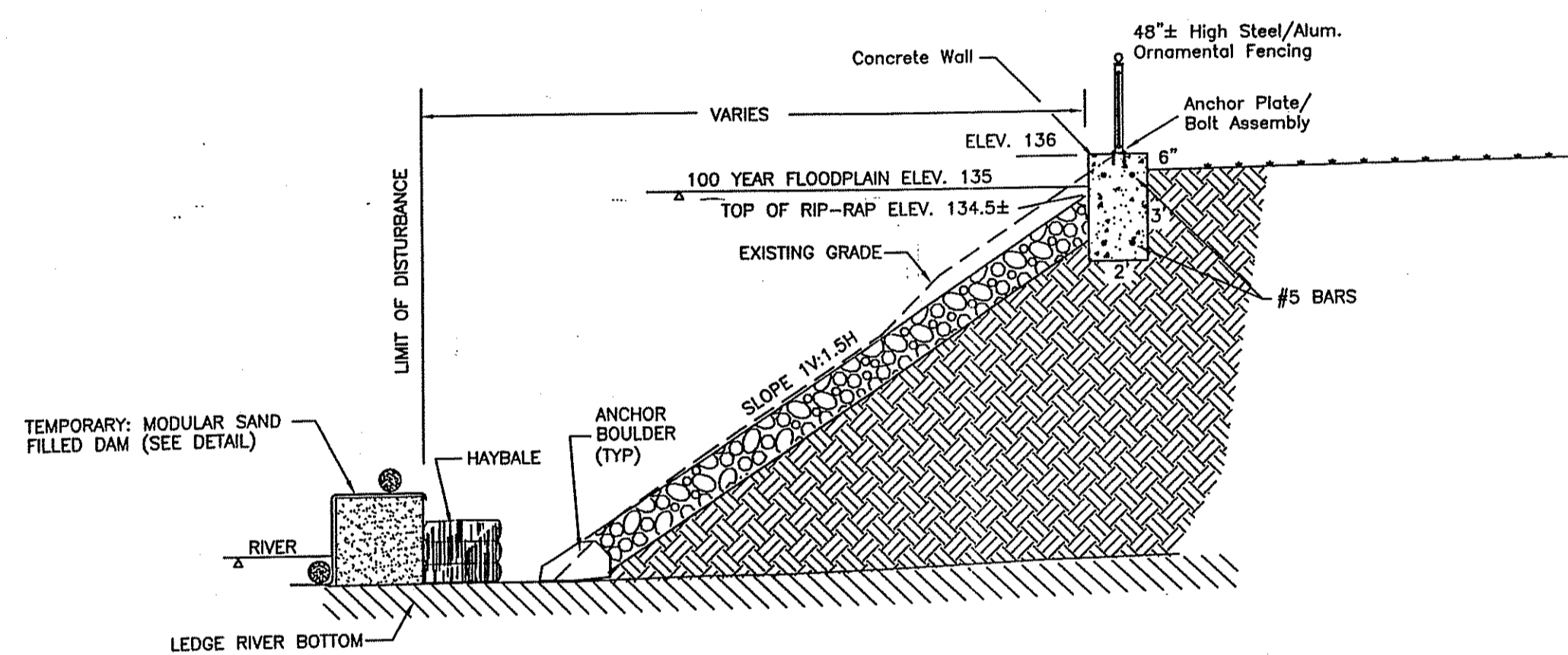
FILTER FABRIC - LESS THAN 4% OPEN AREA OR AN EOS LESS THAN U.S. STANDARD SIEVE #100 (0.15mm). FABRIC MAY BE MADE OF WOVEN OR NONWOVEN MONOFILAMENT YARNS AND SHALL MEET THE FOLLOWING:

THICKNESS 20-60 mils
GRAB STRENGTH 90-120 lbs
CONFORM TO ASTM D-1682 OR ASTM D-177

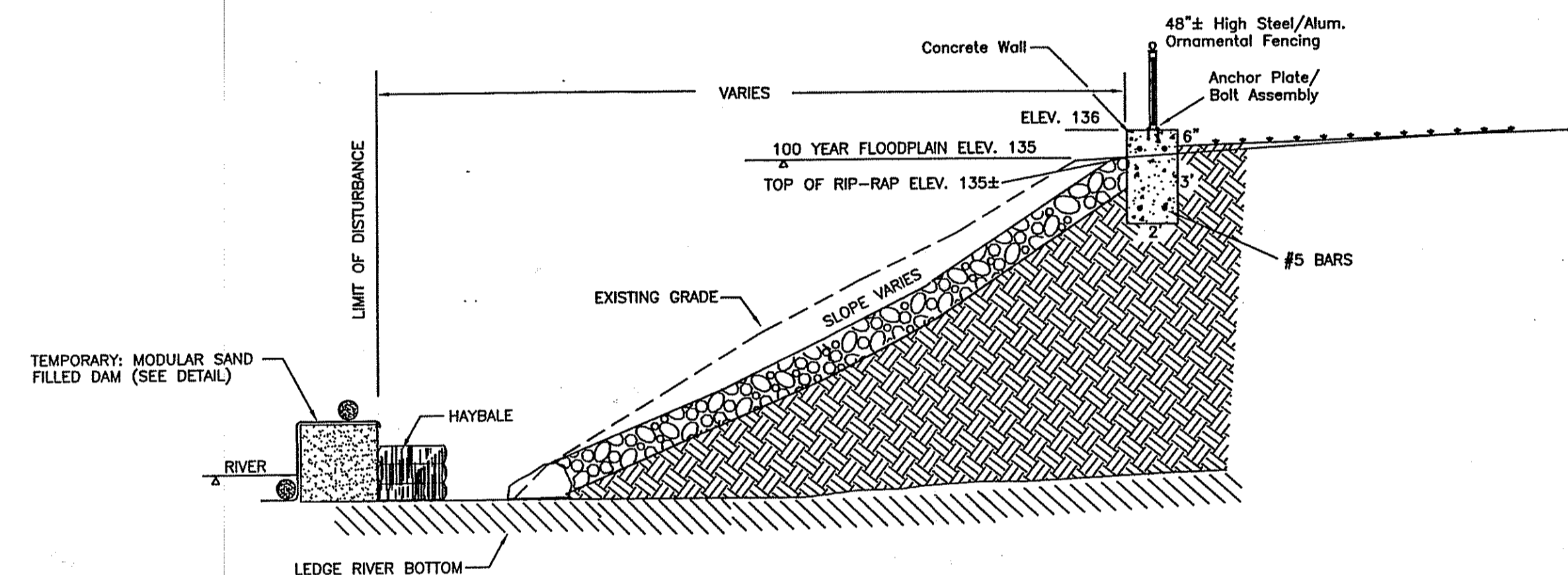
*EOS - EQUIVALENT OPENING SIZE COMPARED TO A U.S. STANDARD SIEVE SIZE.

FILTER FABRIC TO BE PLACED ON PROPERLY PREPARED SLOPE. BRUSH, TREES, STUMPS, DEBRIS AND OTHER OBJECTIONABLE MATERIAL TO BE REMOVED AND SLOPE GRADED TO A SMOOTH AND UNIFORM SURFACE. ANY AREAS FILLED SHALL BE COMPACTED TO 95% MAX. DENSITY. UPPER END OF FILTER FABRIC TO BE BURIED A MINIMUM OF 12" DEEP. EDGES OF FABRIC SHEETS TO BE OVERLAPPED A MINIMUM OF 12". EDGE OVERLAPS AND FABRIC SHEETS TO BE ANCHORED TO SLOPE WITH PINS AND WASHERS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

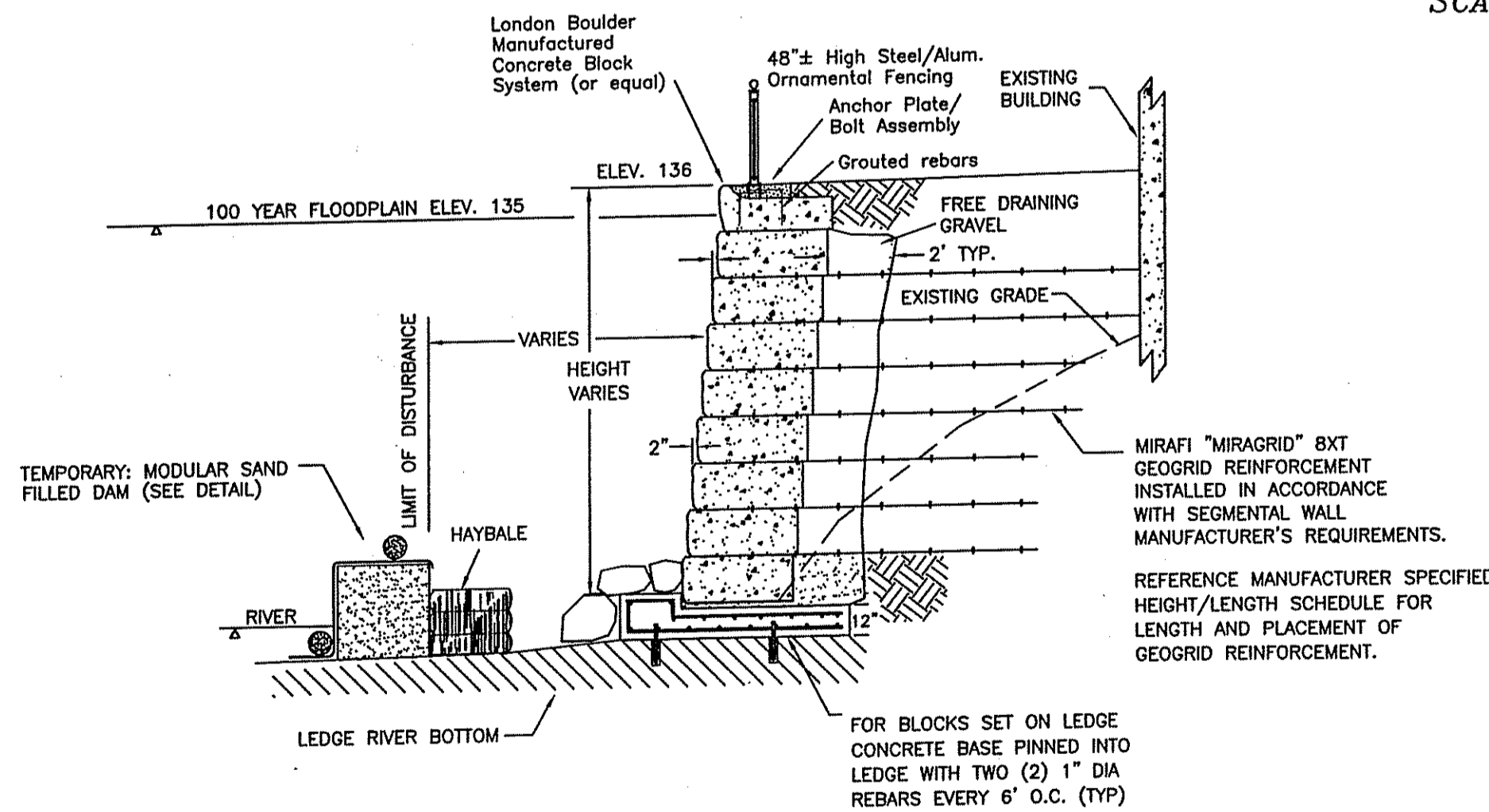
FOLLOWING PLACEMENT OF FILTER FABRIC, FABRIC MATERIAL SHALL BE COVERED WITH A 4" LAYER OF CLEAN GRAVEL CONTAINING LITTLE OR NO FINES.



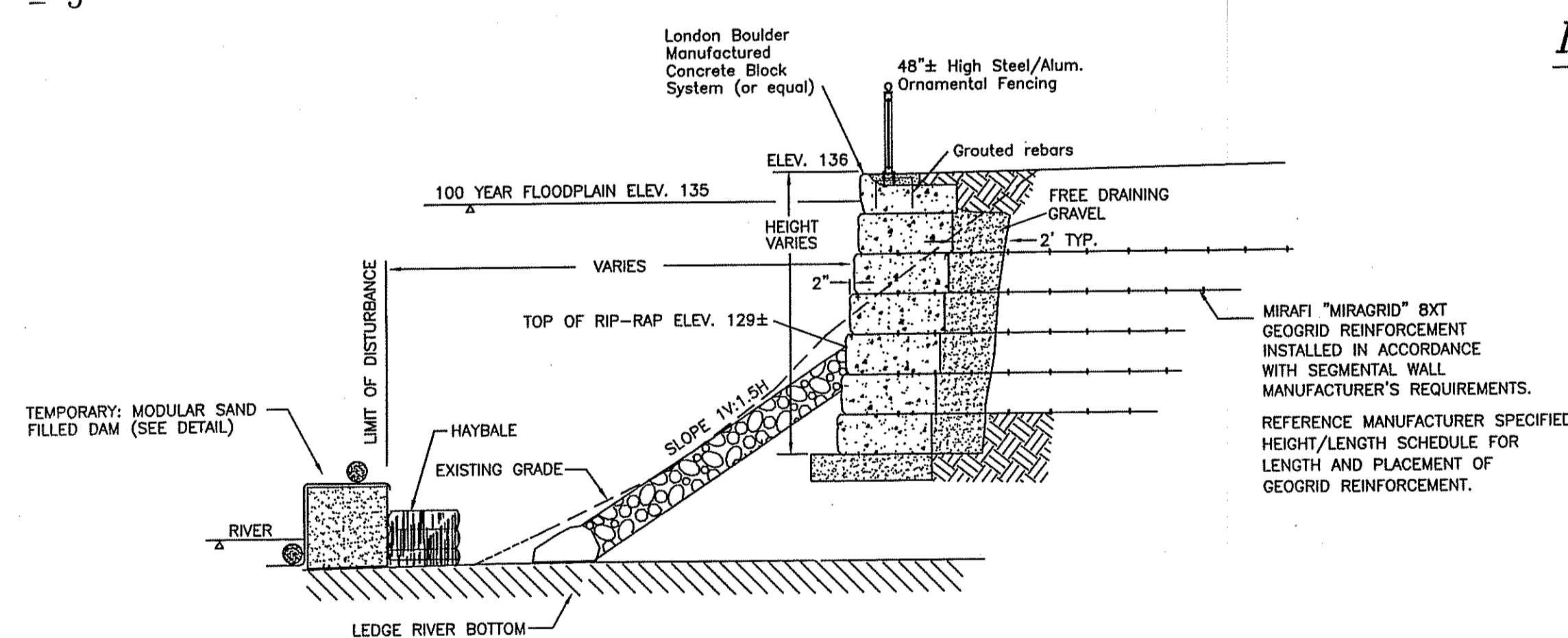
RETAINING WALL SECTION C
SCALE 1" = 5'



RETAINING WALL SECTION D
SCALE 1" = 5'



RETAINING WALL SECTION A
SCALE 1" = 5'



RETAINING WALL SECTION B
SCALE 1" = 5'

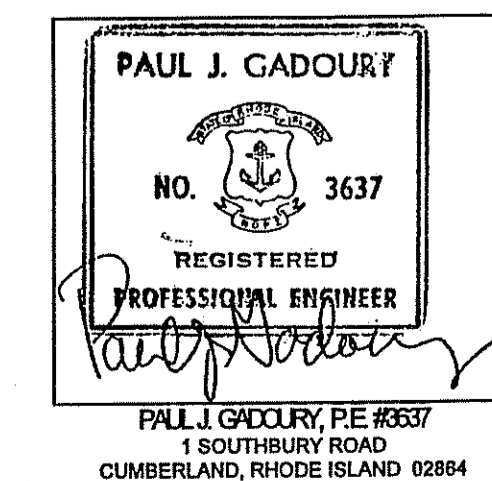
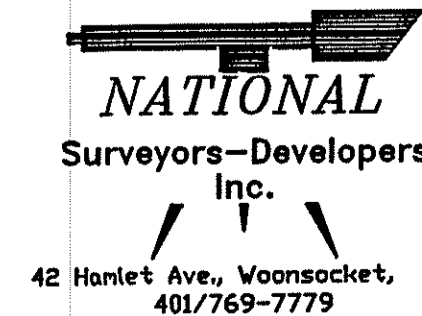
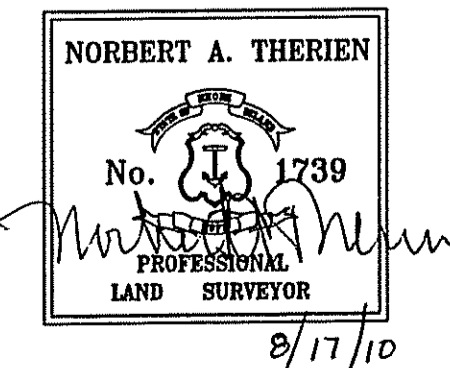
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED FEB 9 2011 FILE # 09-0135
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

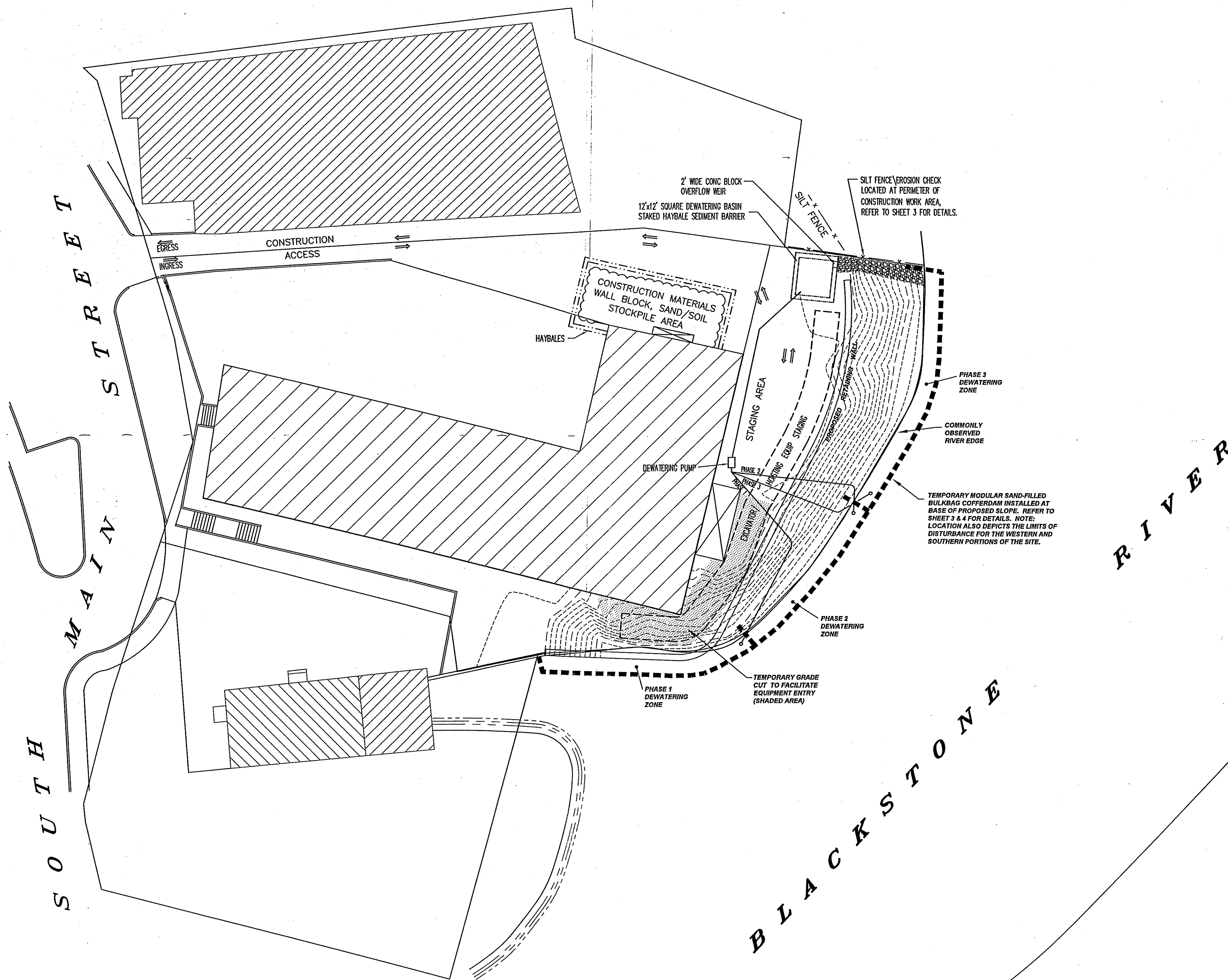
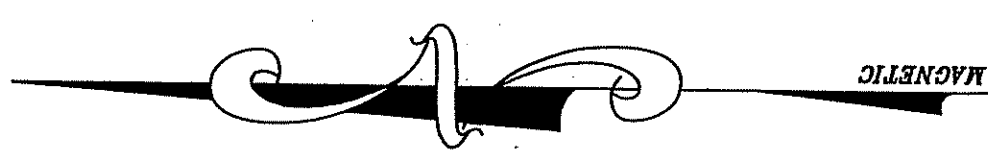
Charles A. Horley

Wall/Slope Details
for
Gary Fernandes
839 Social Street
Woonsocket, Rhode Island
AP 14 Lot 142
South Main Street
Woonsocket, Rhode Island
JULY 2006
Scale: As Noted

RECEIVED
OCT 26 2010

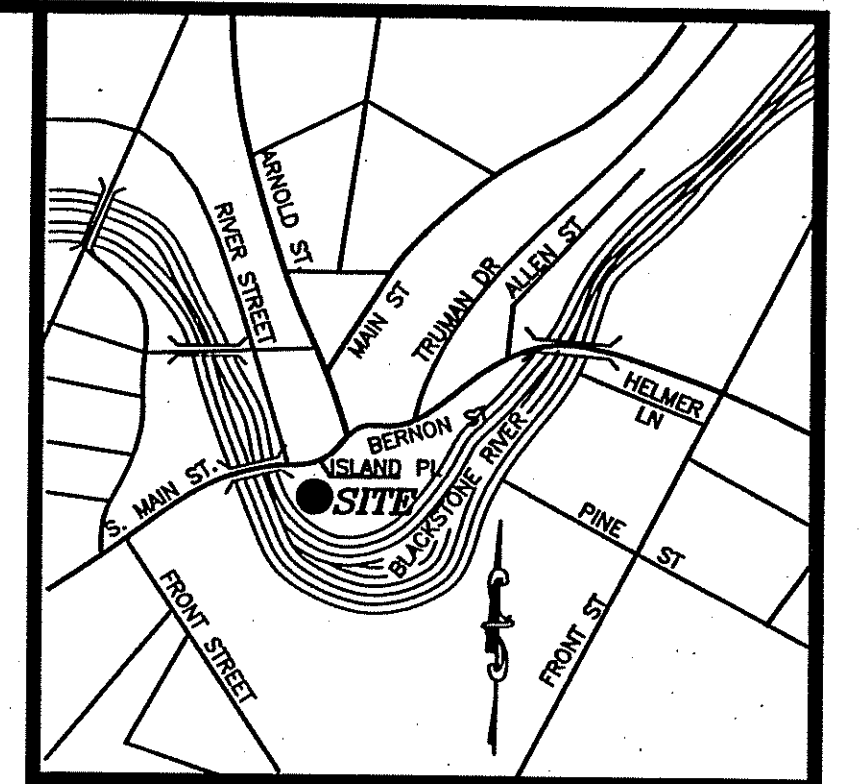
NO.	DATE	DESCRIPTION	BY
3	5/27/10	DETAIL REVISIONS	PRL
2	5/5/09	REV DETAILS, ADD ADDITIONAL SHT.	JML
1	08/21/08	DETAIL REVISIONS	JES





WALL/SLOPE CONSTRUCTION SEQUENCE

1. INSTALL ALL SITE EROSION AND SEDIMENT CONTROL BARRIERS.
 2. INSTALL DEWATERING BASIN AND RIPRAP DRAINAGE APRON AT SOUTHEAST CORNER OF SITE.
- PHASE 1
3. INSTALL PUMP AND ASSOCIATED SUCTION AND DISCHARGE PIPING FROM DEWATERING AREA TO DEWATERING BASIN.
 4. INSTALL TEMPORARY MODULAR SAND FILLED BULK BAGS AT RIVER EDGE FOR DEWATERING ZONE 1 (SEE MODULAR COFFERDAM DETAILS)
 5. DEWATER WORK AREA, REGRADE/EXCAVATE AS NEEDED TO INSTALL GEOGRID REINFORCEMENT AND PHASE 1 WALL SECTION.
 6. INSTALL FOOTING, WALL BLOCKS, BACKFILL IN COMPACTED LIFTS LAYERED WITH GEOGRID REINFORCEMENT IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND ENGINEER APPROVAL.
 7. CLEAN WORK AREA OF ALL SEDIMENT/DEBRIS.
- PHASE 2
8. RELOCATE TEMPORARY MODULAR SAND FILLED BULK BAGS FOR DEWATERING ZONE 2.
 9. RELOCATE PUMP SUCTION PIPING, DEWATER WORK AREA, REGRADE/EXCAVATE AS NEEDED TO INSTALL GEOGRID REINFORCEMENT AND PHASE 2 WALL SECTION.
 10. INSTALL FOOTING AS REQUIRED, WALL BLOCKS, BACKFILL IN COMPACTED LIFTS LAYERED WITH GEOGRID REINFORCEMENT IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND ENGINEER APPROVAL. INSTALL RIPRAP SLOPE PROTECTION AS REQUIRED.
 11. CLEAN WORK AREA OF ALL SEDIMENT/DEBRIS.
- PHASE 3
12. RELOCATE TEMPORARY MODULAR SAND FILLED BULK BAGS FOR DEWATERING ZONE 3.
 13. RELOCATE PUMP SUCTION PIPING, DEWATER WORK AREA, EXCAVATE AND GRADE AS REQUIRED TO INSTALL CONCRETE WALL AND SLOPE RIPRAP.
 14. INSTALL CONCRETE WALL AND RIPRAP SLOPE PROTECTION.
 15. CLEAN WORK AREA OF ALL SEDIMENT/DEBRIS.
 16. REMOVE MODULAR SAND FILLED BULK BAGS, DEWATERING PUMP, PIPING, AND BASIN.

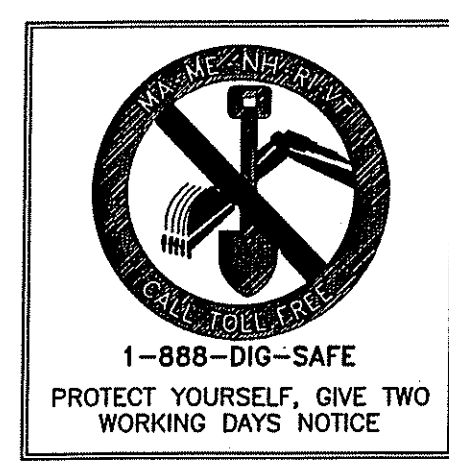


Locus Map
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROTECTION
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED FEB 9 2011 FILE # 09-0135
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Charles A. Hester

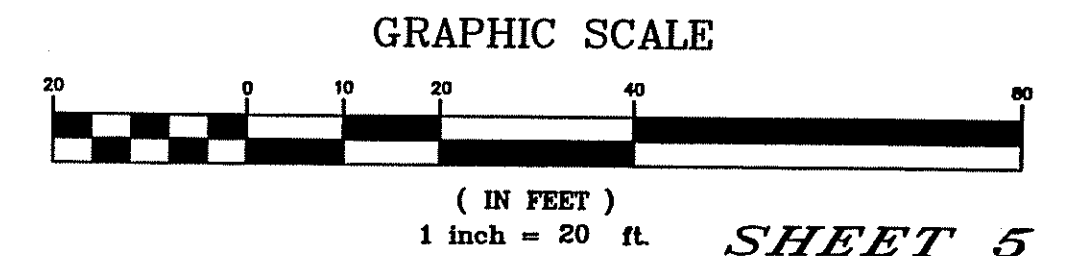
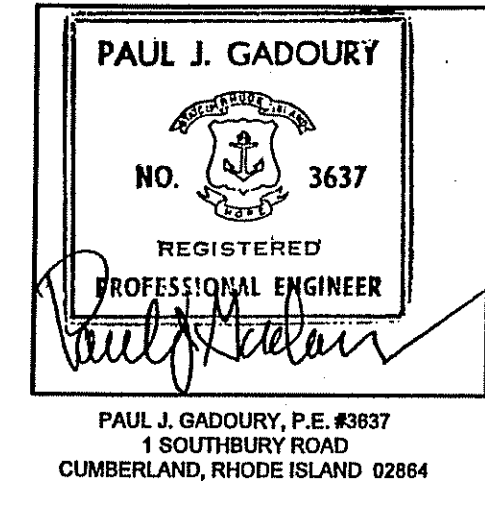
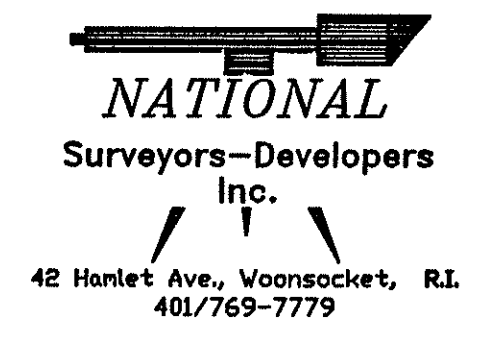
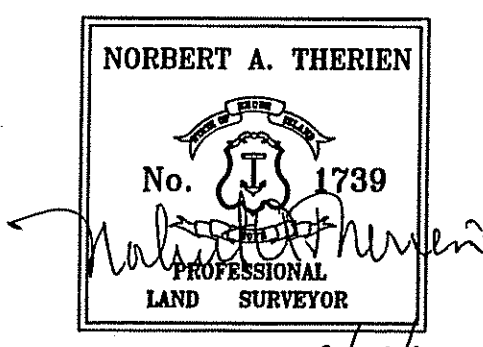
*Construction Equipment
Access and Material
Staging Plan
for
Gary Fernandes
839 Social Street
Woonsocket, Rhode Island
AP 14 Lot 142
South Main Street
Woonsocket, Rhode Island
JANUARY, 2003*

NO.	DATE	DESCRIPTION	BY
1	08/21/08	REVISION PER P.GADOURY	JES



I certify that the information shown hereon has been obtained by an actual survey on the ground, that it is correct and this survey and plan conform to a CLASS I Standard as adopted by the Rhode Island Board of Registration for Professional Land Surveyors.

By: Norbert A. Therien P.L.S.



8/17/10