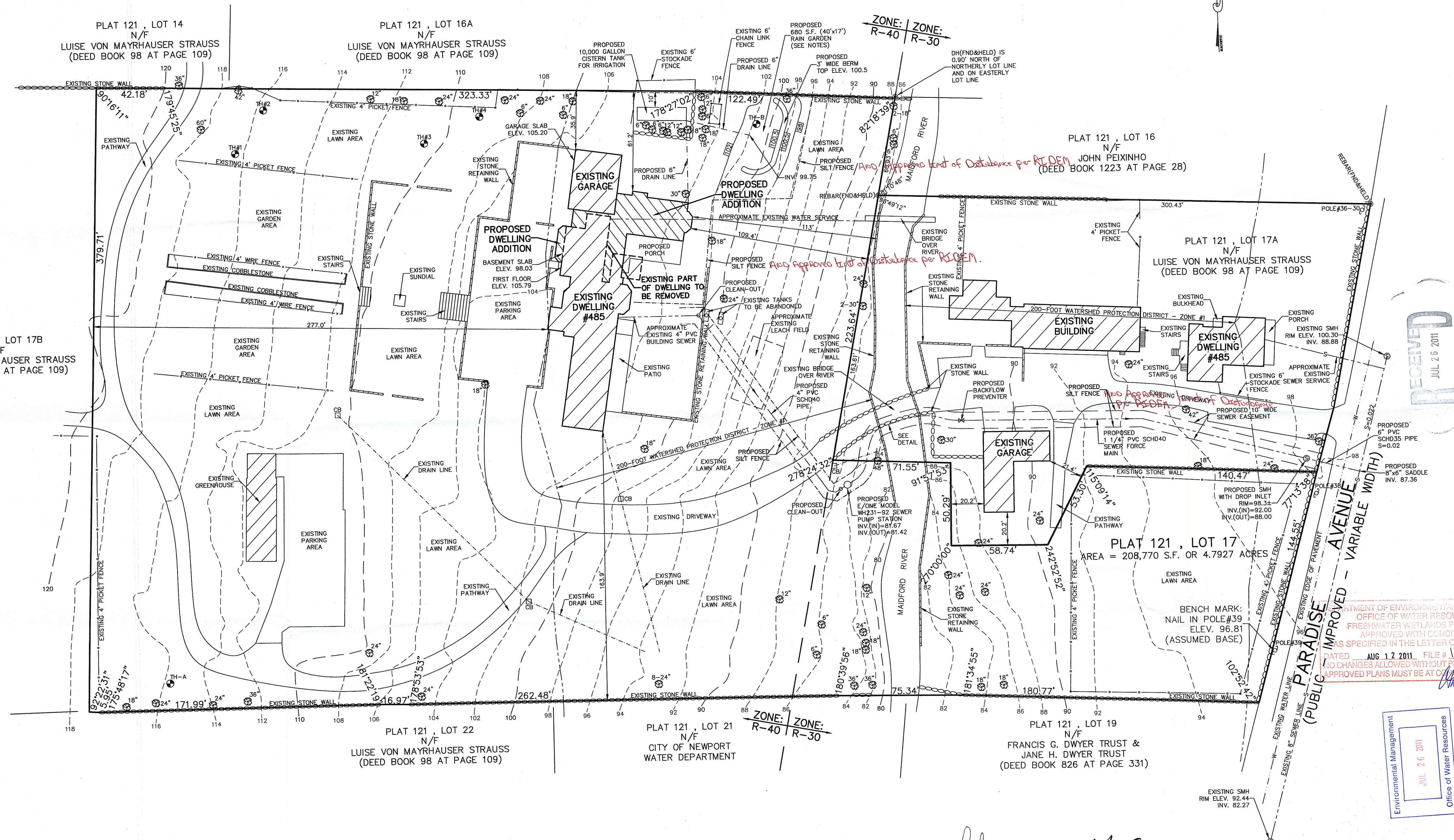


LEGEND

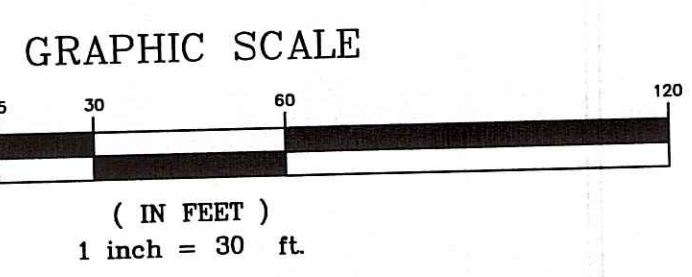
- DH DRILL HOLE
- FND FOUND
- CB CATCH BASIN
- N/F NOW OR FORMERLY
- S.F. SQUARE FEET
- ELEV. ELEVATION
- INV. INVERT
- SMH SEWER MANHOLE
- W WATER
- S SEWER
- GAL. GALLON
- TH TEST HOLE



RECEIVED
JUL 26 2011

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED AUG 12 2011 FILE # 11-0158
(NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT OFFICE OF WATER RESOURCES)

Environmental Management
JUL 26 2011
Office of Water Resources



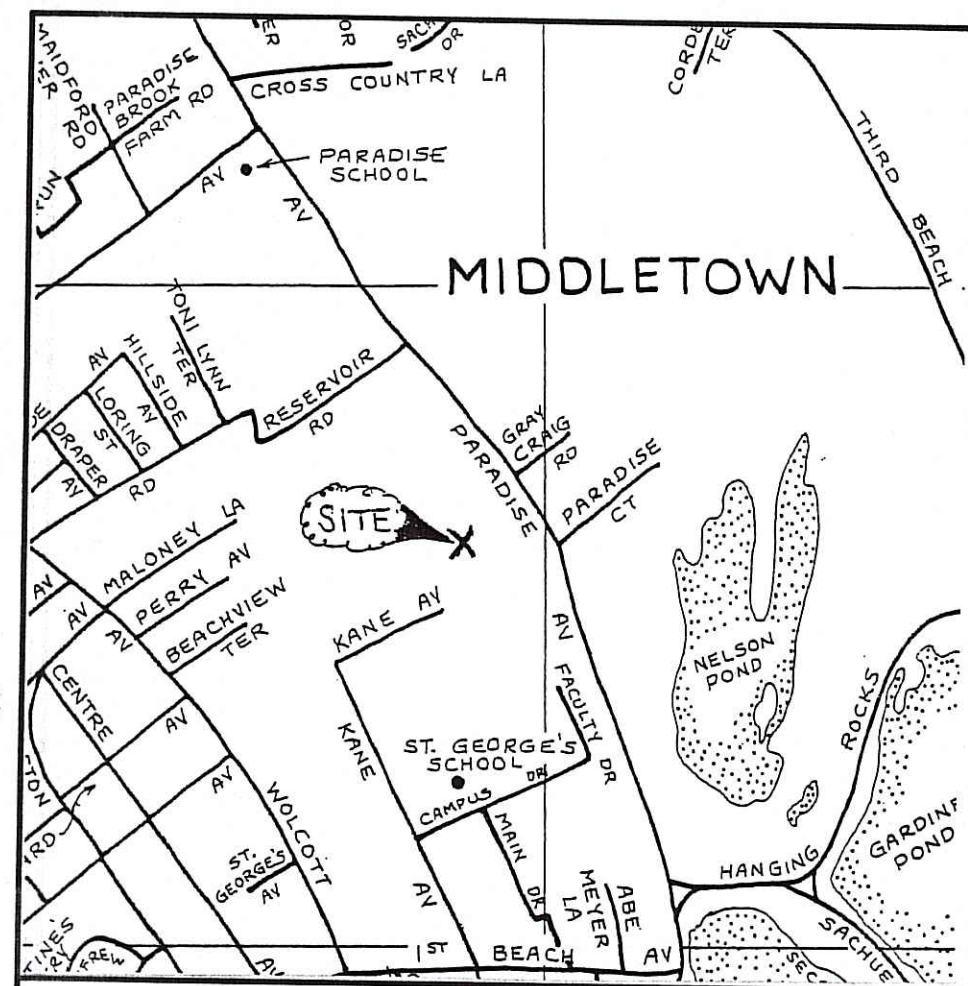
REGISTERED PROFESSIONAL ENGINEER

REGISTERED LAND SURVEYOR

I HEREBY CERTIFY THAT THIS SURVEY AND PLAN CONFORMS TO A CLASS 1 STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

BY: DATE: 7/18/11
MICHAEL R. DARVEAU, PLS#1978

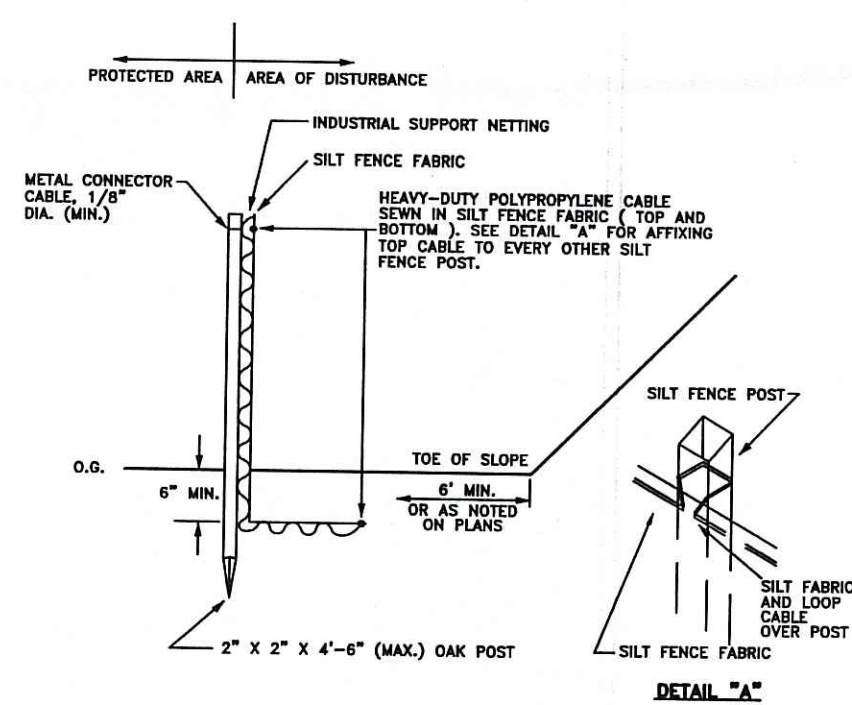
DARVEAU LAND SURVEYING, INC. P.O. BOX 7918 CUMBERLAND, R.I. 02864 PHONE 401-475-5700 E-MAIL: DARVEAUSURVEY@COX.NET	
PROPOSED WETLAND APPLICATION SITE PLAN FOR LUISE VON MAYRHAUSER STRAUSS PLAT 121, LOT 17 485 PARADISE AVENUE MIDDLETOWN, RHODE ISLAND	
DRAWING NO: 2011_011	SCALE: 1" = 30'
SHEET NO: 1 OF 2	DATE: JULY 18, 2011
REVISED	DRAWN BY: S.A.K.



LOCUS
NOT TO SCALE

- GENERAL NOTES:
1. THE PARCEL IS PLAT 121, LOT 17.
 2. THE TOTAL PARCEL AREA IS 208,770 S.F. OR 4.7927 ACRES.
 3. THE EXISTING DWELLING ADDRESS IS 485 PARADISE AVENUE.
 4. THE AREA IS ZONED: R-40 AND R-30.
 5. SEE DEED BOOK 155 AT PAGE 961 FOR TITLE REFERENCE.
 6. THE PARCEL IS LOCATED WITHIN THE TOWN OF MIDDLETOWN WATERSHED PROTECTION DISTRICT ZONE #1.
 7. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND ARE TAKEN FROM EXISTING FIELD LOCATION AND/OR PLANS FOUND AT THE TIME OF SURVEY.
 8. THE PARCEL DOES NOT CONTAIN AREAS OF STISSING SILT LOAM (SE) OR MANSFIELD MUCKY SILT LOAM (MA) AS SHOWN ON SOIL SURVEY OF RHODE ISLAND, U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, ISSUED JULY 1981.
 9. THERE ARE NO PROPOSED GRADING CHANGES GREATER THAN 6-INCHES AS A RESULT OF THE PROPOSED DWELLING ADDITION.
 10. ALL TREES GREATER THAN 6-INCHES IN DIAMETER ARE SHOWN ON THE PLAN.

- SEWER NOTES:
1. THE NEW SEWER PUMP STATION AND FORCE MAIN ARE TO MEET TOWN OF MIDDLETOWN RULES AND REGULATIONS.
 2. THE NEW 4" SCHD40 PVC SEWER PIPE IS TO BE CONNECTED INTO THE EXISTING BUILDING SEWER BEFORE THE EXISTING TANKS.
 3. THE NEW SEWER PUMP STATION AND FORCE MAIN IS TO BE WATERTIGHT WITH SEALED JOINTS.
 4. THE CONTRACTOR IS TO INSTALL THE NEW SEWER PUMP STATION PER MANUFACTURER'S SPECIFICATIONS.
 5. THE SEWER FORCE MAIN IS TO HAVE A MINIMUM OF 4-FOOT COVER OVER THE PIPE, UNLESS PROPERLY INSULATED.
 6. THE FORCE MAIN IS TO BE LAID IN SUCH A MANNER THAT THE EFFLUENT WILL BE ALLOWED TO DRAIN BACK FROM THE BACKFLOW PREVENTER INTO THE SEWER PUMP STATION.
 7. THE EXISTING LEACHING FIELD IS TO BE ABANDONED IN PLACE AFTER THE NEW SEWER PUMP STATION IS INSTALLED AND OPERATIONAL.



SILT FENCE DETAIL
NOT TO SCALE

- SLOPE STABILIZATION AND VEGETATION:
1. THE SILT FENCE OR HAY BALES SHALL BE PLACED AT THE TOE OF ALL DISTURBED SLOPES. THIS SHALL BE MAINTAINED AS A SEDIMENT BARRIER UNTIL THE SLOPES ARE STABILIZED WITH GRASS.
 2. THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION MEASURE.
 3. MAINTAIN MULCH UNTIL THE SLOPES ARE STABILIZED WITH A SATISFACTORY GROWTH OF GRASS.
 4. VEGETATION REMOVED MAY BE SHREDDED AND CHIPPED ON SITE FOR USE AS MULCH, OR IT MAY BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
 5. THE RESEEDING OF THE DISTURBED SLOPES SHALL BE CONDUCTED WITH SEED MATERIALS SELECTED FOR PRODUCTION OF A QUICK COVER AND HARDY STAND. PARTICULARLY A CONSERVATION GRASS SEED OR COMPARABLE. THE SEEDING SHALL BE IN ACCORDANCE WITH COMMON NURSERY PRACTICE IN THE RHODE ISLAND AREA.
 6. PROVIDED THAT THE PROVISIONS OF THE SEDIMENTATION & EROSION CONTROL PLAN ARE IMPLEMENTED, THERE WILL BE NO ADVERSE ENVIRONMENTAL EFFECTS FROM THE PROPOSED CONSTRUCTION.

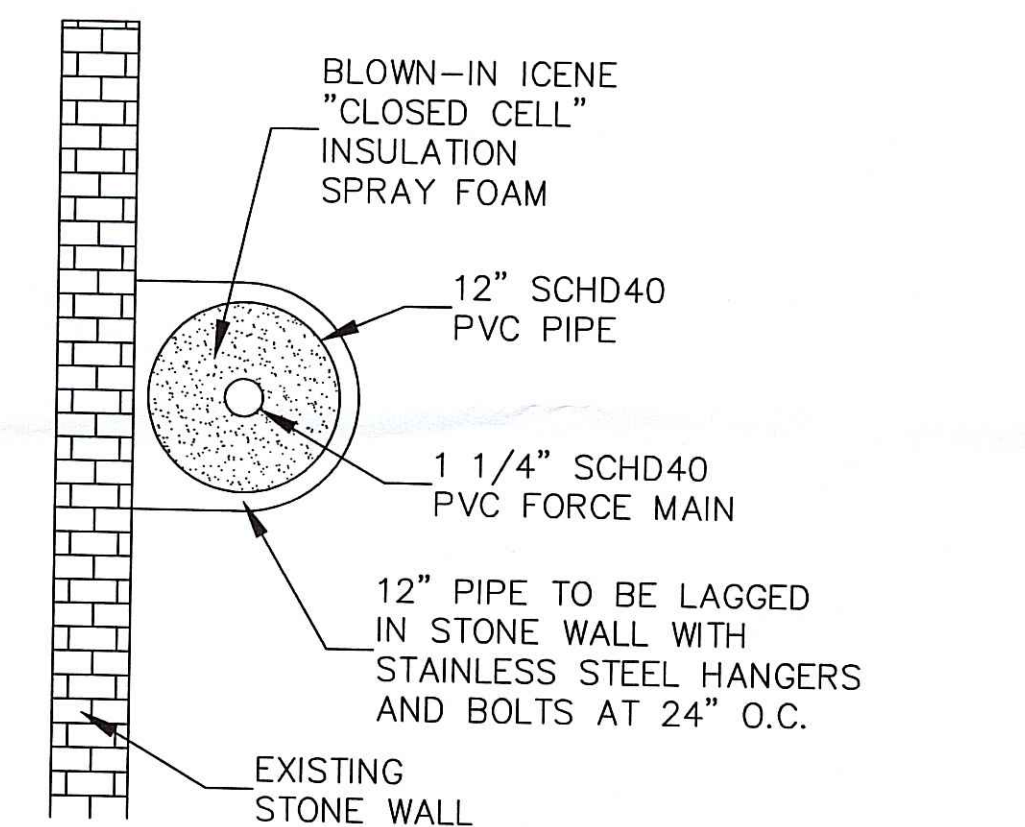
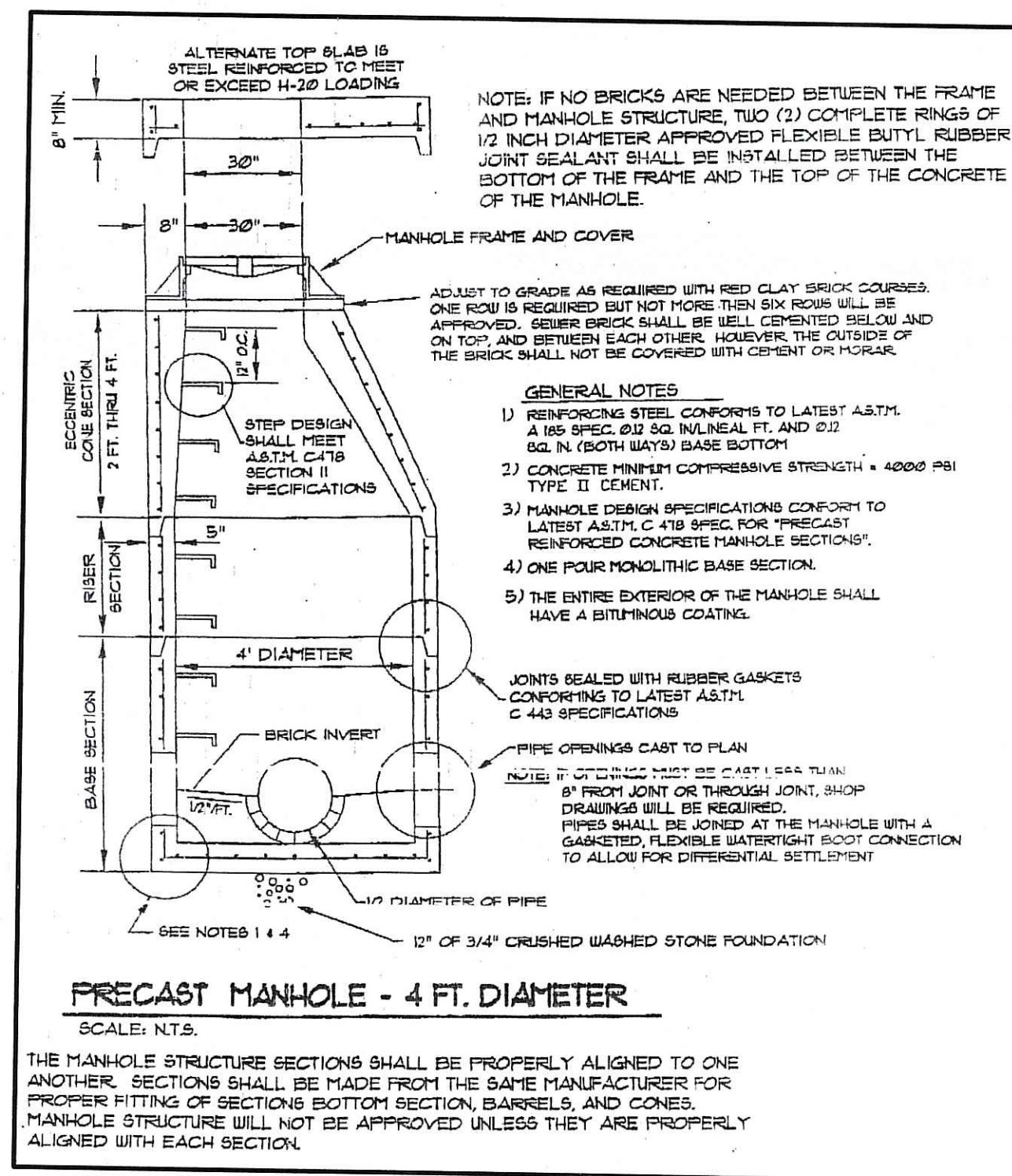
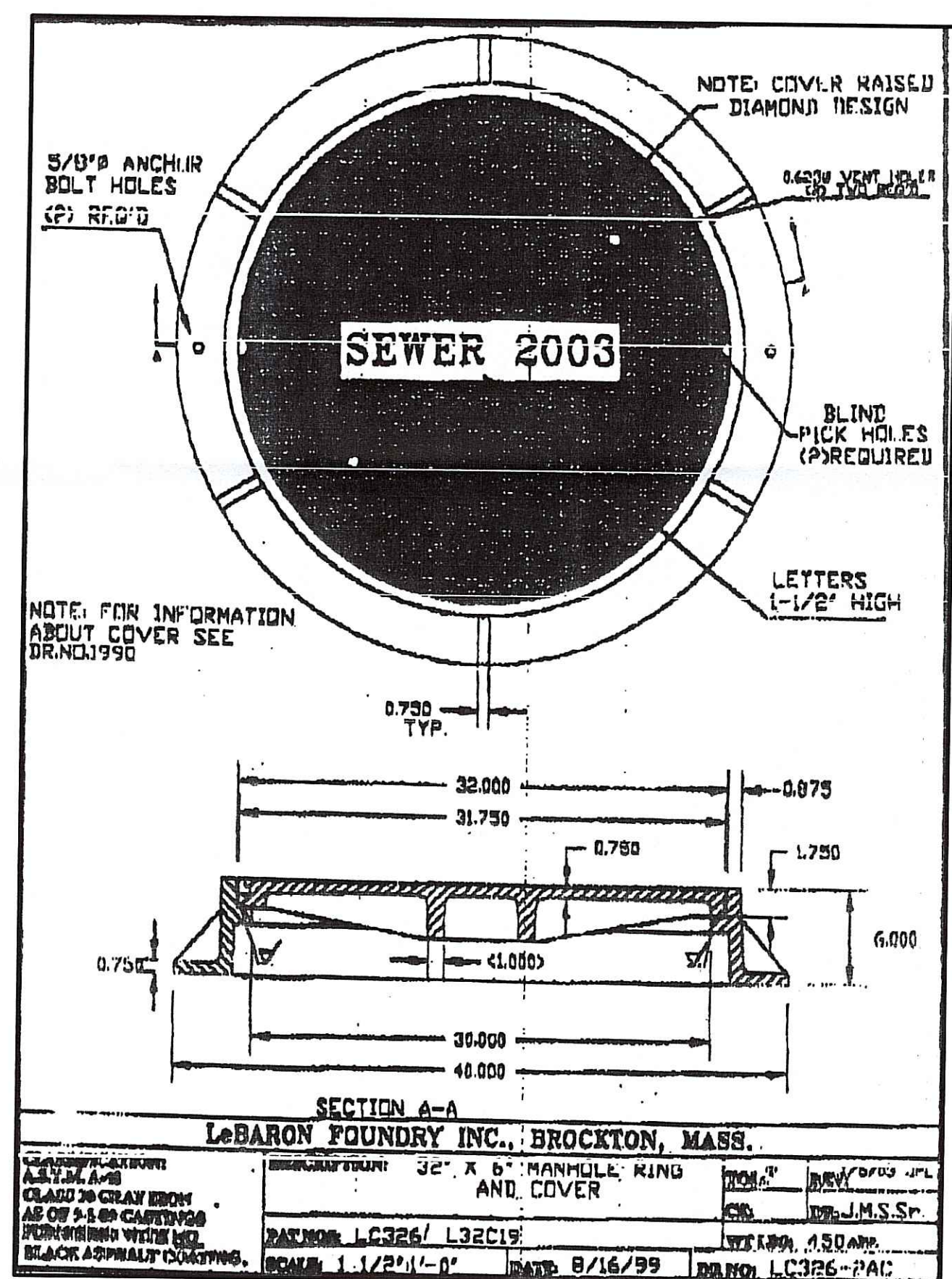
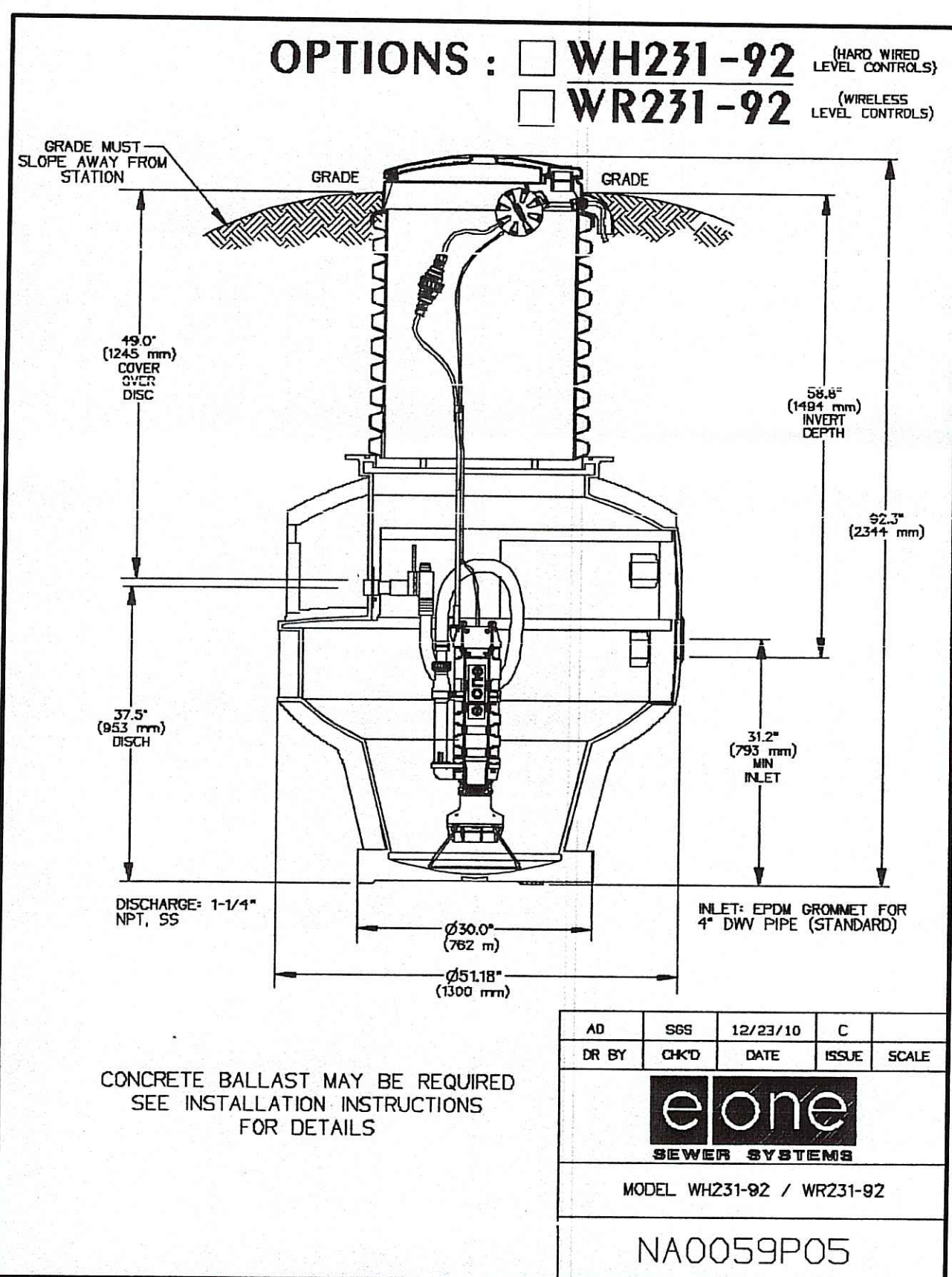
- MISC. NOTES:
1. ON-SITE VEGETATION MULCH OR HAY BALES ARE TO BE INSTALLED "TIGHT" AGAINST SILT FENCE. THOROUGHLY COMPACT EXCAVATED SOILS BACK INTO TRENCH AFTER INSTALLATION OF EROSION CONTROL DEVICES. SILT FENCE FABRIC SHALL NOT BE SLIT-STD. 9.1 POST SHALL BE DRIVEN THROUGH SILT FENCE FABRIC. 2"x2"x4"-6" STAKE FOR SILT FENCE SHALL BE LOCATED 8'-0" ON CENTER (MAX.) IN WETLAND AREAS AND LOCATED 4'-0" ON CENTER (MAX.) IN WETLAND RAVINE, GULLY OR DROPOFF AREAS AS SHOWN IN R.I. STD. DETAIL 9.2 R.I. STD. DETAIL 9.6 IS TO BE USED FOR THIS SITE.

- SEDIMENTATION AND EROSION CONTROL:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.
 2. EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.
 3. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING AND PRIOR TO ANY ROUGH GRADING, A TEMPORARY SILT FENCE OR HAY BALES SHALL BE PLACED AT THE LIMIT OF PERMANENT DISTURBANCE PER PLAN.
 4. ALL EROSION & SEDIMENTATION CONTROL SHALL BE PERIODICALLY MAINTAINED DURING BUILDING CONSTRUCTION BY THE CONTRACTOR.

- EROSION & SOIL STABILIZATION PROGRAM:
1. TEMPORARY TREATMENTS SHALL CONSIST OF A SILT FENCE, HAY BALES OR PROTECTIVE COVERS SUCH AS FABRIC MATS.
 2. THE SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED COVER IS ESTABLISHED.
 3. NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCT. 15.
 4. ALL FILL, IF REQUIRED, SHALL BE CLEAN AND THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RIDPW STANDARD SPECIFICATION SECTION 202.

- SEDIMENTATION CONTROL PROGRAM:
1. A TEMPORARY SILT FENCE, HAY BALES OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED ON A REGULAR BASIS. IN ADDITION TO THE LINE OF THE SILT FENCE AT THE LIMIT OF PERMANENT DISTURBANCE, TEMPORARY BARRIERS SHALL BE CONSTRUCTED AT THE TOE OF THE DISTURBED (CUT OR FILL) SLOPES UNTIL VEGETATIVE COVER HAS BEEN ESTABLISHED.
 2. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.
 3. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
 4. BANKS AND SLOPES NOT RECEIVING RIP RAP PROTECTION SHALL BE SEEDING AND PROTECTED WITH A FIBER MULCH.

- RAIN GARDEN NOTES:
1. THE PROPOSED RAIN GARDEN IS TO BE 680 S.F. (40'x17').
 2. THE BOTTOM OF THE PROPOSED RAIN GARDEN IS TO BE AT ELEV. 99.50.
 3. A 3' WIDE BERM IS TO BE PLACED ALONG THE WESTERLY SIDE OF THE RAIN GARDEN TO CREATE A 680 C.F. DETENTION AREA. THE TOP OF THE BERM IS TO BE AT ELEV. 100.50.
 4. THE RAIN GARDEN AREA IS TO BE PLANTED WITH A CONSERVATIVE MIXTURE OF PLANTINGS AS APPROVED BY THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION MANUAL.
 5. NEW ADDITION DOWNSPOUTS ARE TO BE CONNECTED TO A SOLID 6" PVC PIPE AND DIRECTED TO THE PROPOSED 10,000 GALLON CISTERN TANK.
 6. A SOLID 6" PVC OVERFLOW PIPE IS TO BE DIRECTED TO THE RAIN GARDEN (INV. 99.75).



REQUIREMENTS FOR WETLANDS PROGRAM AS SPECIFIED IN THE LETTER OF APPROVAL DATED AUG 12 2011 FILE # 11-0148 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT COMMISSION SITE

REGISTERED PROFESSIONAL ENGINEER
MICHAEL P. DEFRANCESCO

PROFESSIONAL LAND SURVEYOR
MICHAEL R. DARVEAU

PROPOSED WETLAND APPLICATION SITE PLAN FOR
LUISE VON MAYERHAUSER STRAUSS
PLAT 121, LOT 17
485 PARADISE AVENUE
MIDDLETOWN, RHODE ISLAND

DARVEAU LAND SURVEYING, INC.
P.O. BOX 7918
CUMBERLAND, R.I. 02864
PHONE 401-475-5700
E-MAIL: DARVEAUSURVEY@COX.NET

SCALE: 1" = 30'

DRAWN BY: S.A.K.

DRAWING NO: REVISED

DATE: 11/26/11

2 OF 2