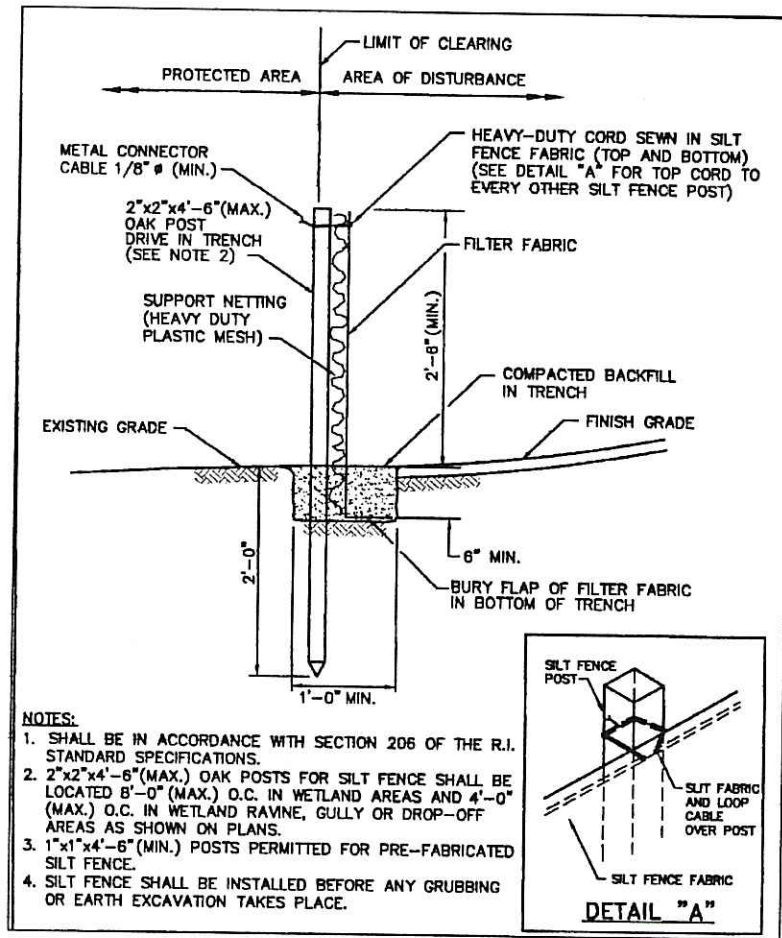


**SILT FENCE**

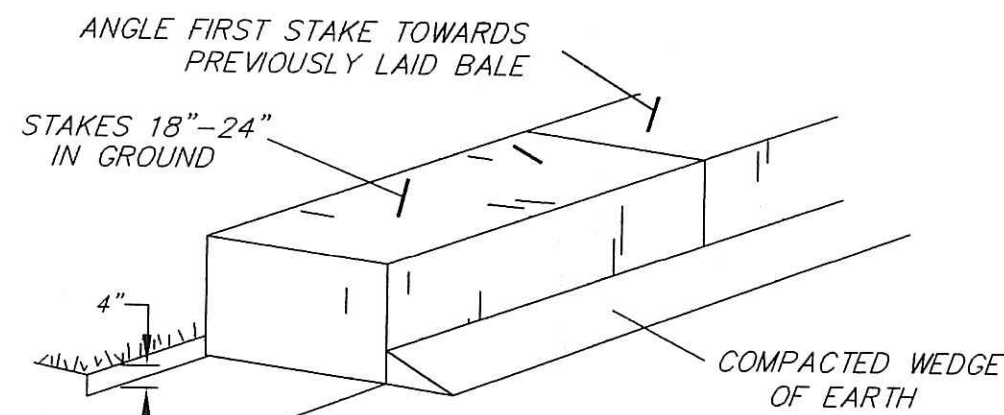
NOT TO SCALE



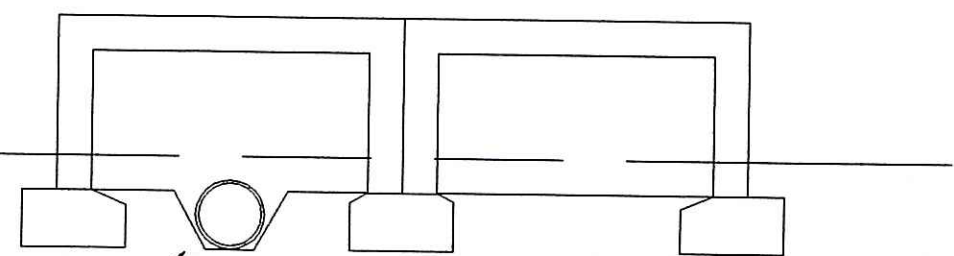
- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS
  2. 2"x4"-8"(MAX.) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 6"-10"(MAX.) O.C. IN WETLAND AREAS AND 4'-8"(MAX.) O.C. IN WETLAND RAINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
  3. 1"x4"-8"(MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
  4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

**HAYBALE DETAIL**

NOT TO SCALE



1. EXCAVATE A 4" DEEP TRENCH.
2. INSTALL HAYBALE.
3. PLACE COMPACTED WEDGE OF EARTH AGAINST UPSTREAM LOWER EDGE OF HAYBALE.
4. FIRMLY STAKE HAYBALE TO GROUND WITH TWO WOODEN STAKES.



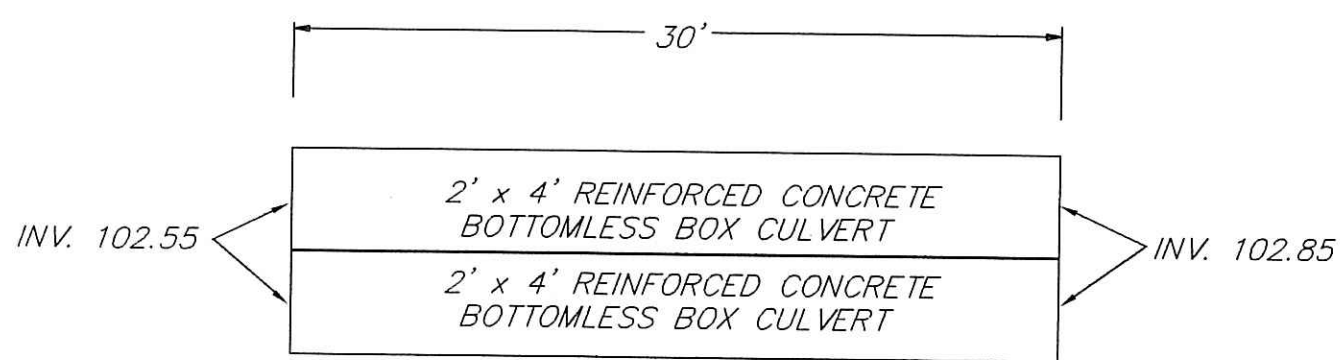
POSSIBLE TEMPORARY PIPE TO HANDLE FLOW AT TIME OF CONSTRUCTION

**Culvert Installation Construction Sequence**

1. Install all sediment controls.
2. Excavate soil for placement of footings.
3. If excavation cannot be done during dry conditions, temporary piping as shown may need to be installed during parts of the construction process in order to handle flow at that time.
4. Lower the elevation of soil which will form the culvert bottom. Replace removed soil with 4" of compacted silty clay loam even with level of top of footing.
5. Install culverts on footings. Temporarily divert flow through newly installed single culvert as may be necessary to allow placement of second culvert.

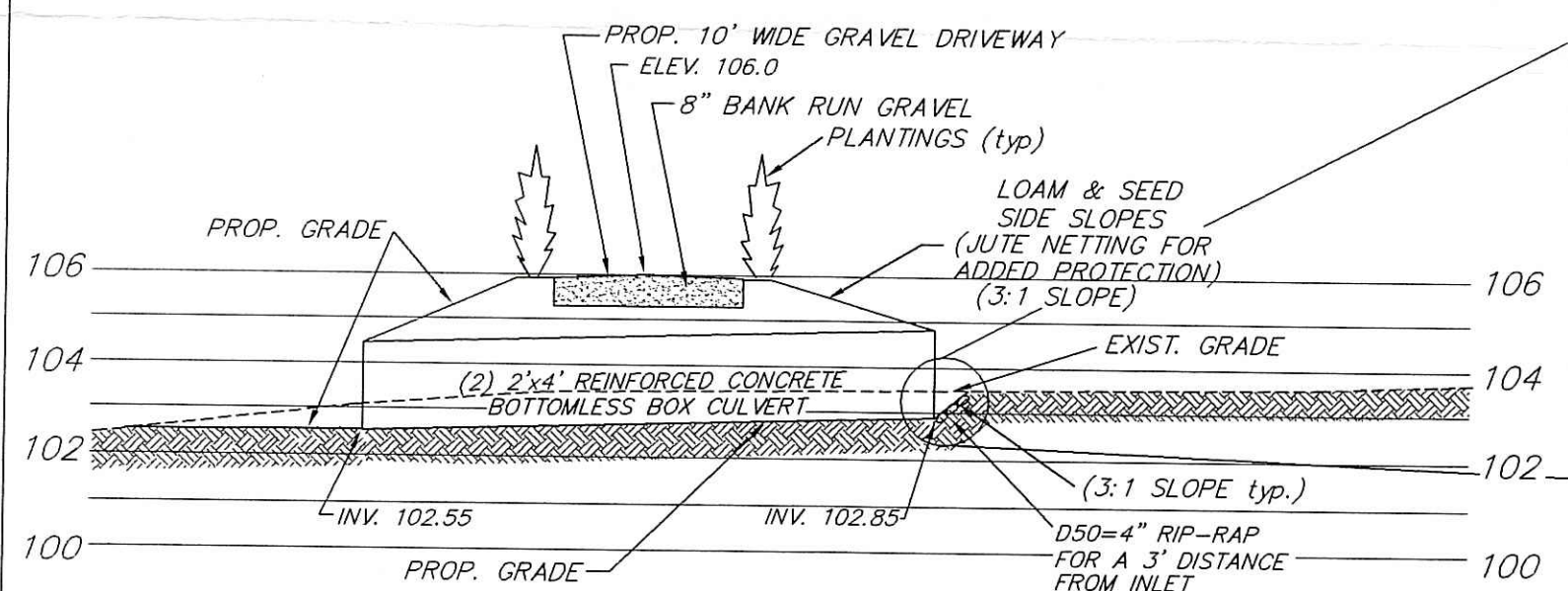
**CULVERT PLAN VIEW**

NOT TO SCALE



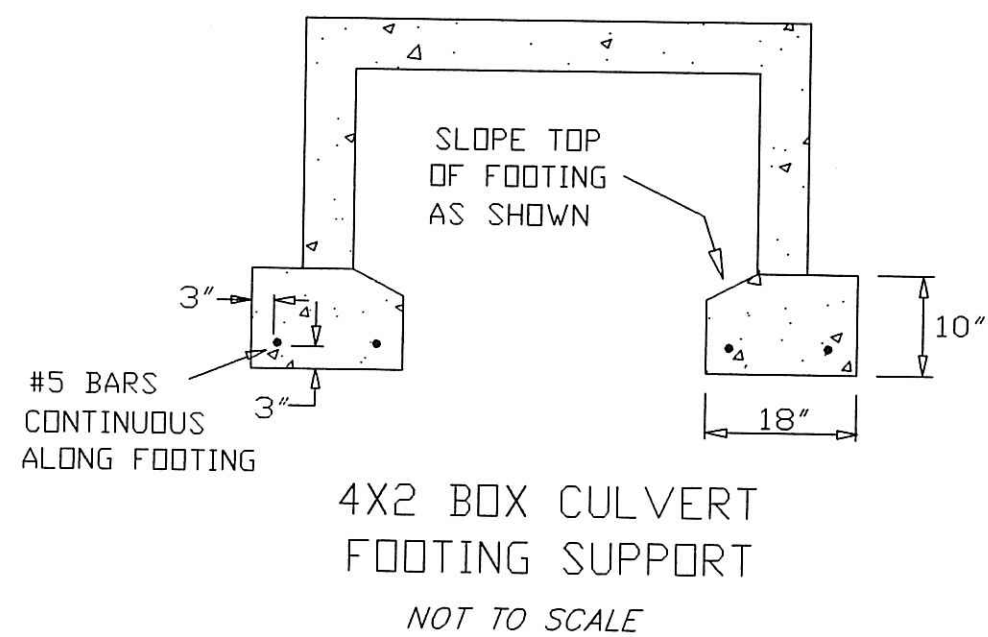
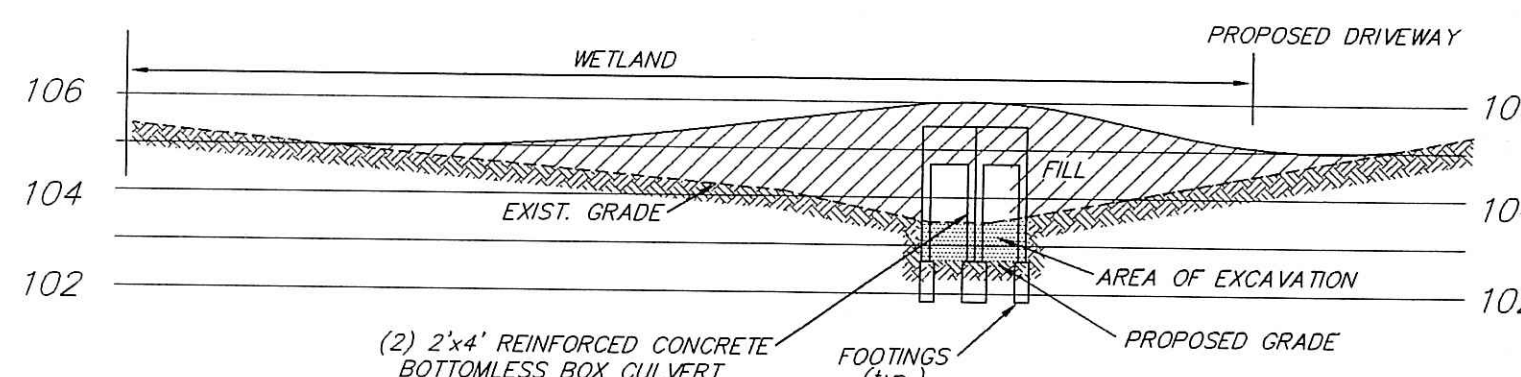
**DRIVEWAY CROSS-SECTION**

SCALE: HORIZONTAL - 1" = 10'  
VERTICAL - 1" = 4'



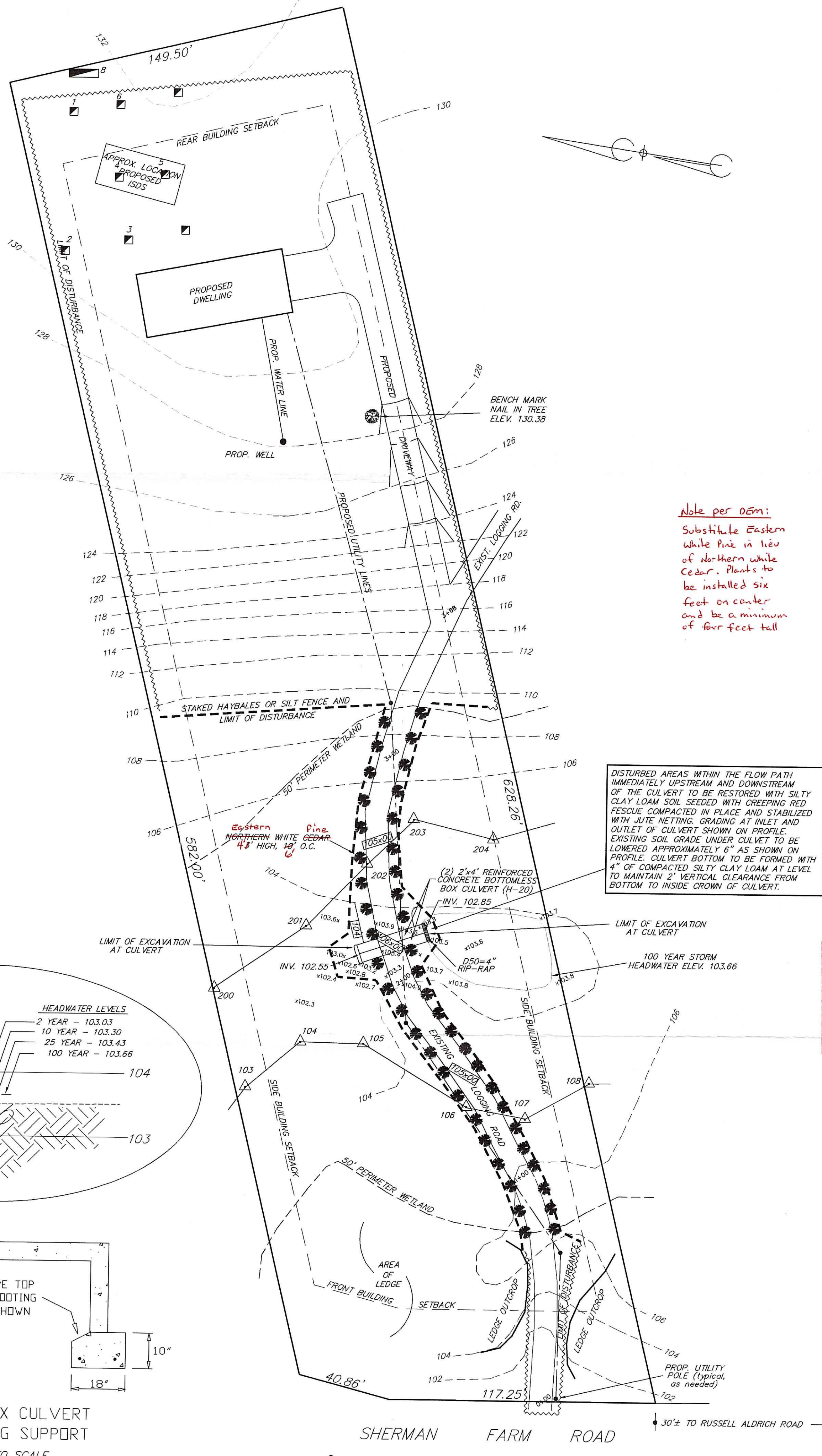
**DRIVEWAY PROFILE THROUGH WETLAND**

SCALE: HORIZONTAL - 1" = 20'  
VERTICAL - 1" = 4'



**4X2 BOX CULVERT FOOTING SUPPORT**

NOT TO SCALE



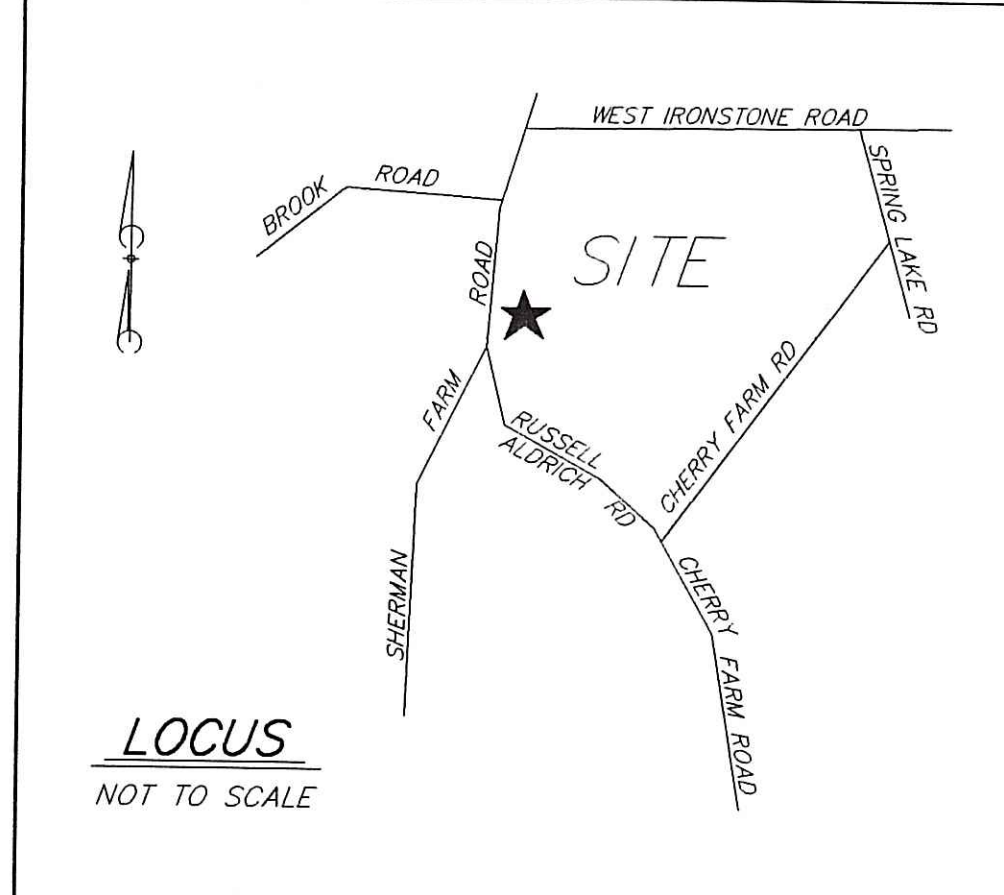
*Note per O&M:*  
Substitute Eastern white pine in lieu of Northern white cedar. Plants to be installed six feet on center and be a minimum of four feet tall.

**DISTURBED AREAS WITHIN THE FLOW PATH** IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE CULVERT TO BE RESTORED WITH SILTY CLAY LOAM SOIL SEEDED WITH CREEPING RED FESCUE COMPACTED IN PLACE AND STABILIZED WITH JUTE NETTING. GRADING AT INLET AND OUTLET OF CULVERT SHOWN ON PROFILE. EXISTING SOIL GRADE UNDER CULVERT TO BE LOWERED APPROXIMATELY 6" AS SHOWN ON PROFILE. CULVERT BOTTOM TO BE FORMED WITH 4" OF COMPACTED SILTY CLAY LOAM AT LEVEL TO MAINTAIN 2' VERTICAL CLEARANCE FROM BOTTOM TO INSIDE CROWN OF CULVERT.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUL - 1 2005 FILE # 03-0596  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

**LEGEND**

- 100 --- 100 EXISTING CONTOURS
- PROPOSED CONTOURS
- 100.0 EXISTING ELEVATION
- 95.000 PROPOSED ELEVATION
- WETLAND FLAG
- PROPOSED WATER LINE
- LIMIT OF DISTURBANCE
- HAYBALES OR SILT FENCE & LIMIT OF DISTURBANCE
- BUILDING SETBACK LINE
- PROP. UTILITY POLE AND LINES



**General Notes**

1. Base-line data was obtained by an on-site Class I survey.
2. Wetland delineation performed by: Applied Bio-Systems, Inc.
3. Staked haybales to be maintained by contractor or owner and inspected & replaced as necessary until work is complete and area has stabilized.
4. Driveway to be constructed during the low flow period (July 1 to Oct. 31).

**Planting Notes**

1. All planting to take place as soon as possible after construction is complete, between the months of April and September.
2. ~~Northern white cedar (Thuja occidentalis)~~, 60 feet on center, 3 feet high, bagged and balled, to be planted in area indicated on plan.
3. All underlying soil for each tree shall be free from any material unsuitable for plant growth and properly prepared to a depth of 30 inches.
4. All disturbed areas to be stabilized with a conservation grass seed mix and by mulching with a mat of loosed hay.
5. Property owner to ensure plant survival for one full growing season from the date of planting. Any plantings that do not survive shall be replaced by the owner and survival ensured for another full growing season.
6. Area of disturbance within RIDEM jurisdictional wetland: 5,200 SF.

**CULVERT MAINTENANCE**

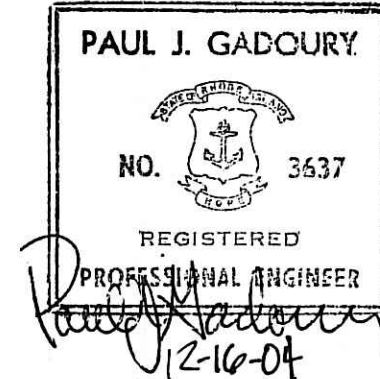
The contractor is responsible for maintaining the culvert during construction, owner to be responsible after construction. The maintenance of this culvert shall include the following:

- Culvert shall at all times be kept free of all debris, litter, obstructions, and sediment accumulation that could impede its flow.
- Culvert inlet, outlet and interior shall be inspected weekly during the construction period. Any accumulated debris, litter, obstruction or sediment shall be removed.
- Following completion of construction, the culvert shall be inspected a minimum of every 3 months. Any accumulated debris, litter, obstructions or sediment shall be removed. Any disturbance of the rip-rap scour protection shall be repaired.

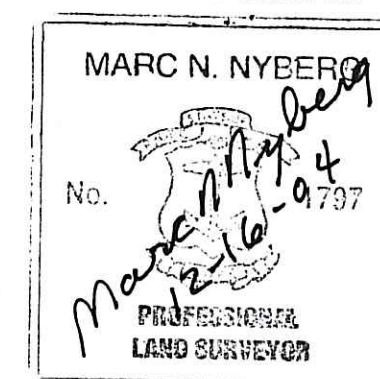
PROPOSED WETLANDS PLAN FOR  
**KENNETH MANZO**  
SHERMAN FARM ROAD  
BURRILLVILLE, RHODE ISLAND  
ASSESSOR'S PLAT #57, LOT #15  
DATE: SEPTEMBER, 2003  
SCALE: 1" = 30'

REMOVED: 6/10/04  
9/8/04  
12/16/04

THIS SURVEY AND PLAN CONFORM TO A CLASS 1 STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.  
**Marc Nyberg**  
MARC N. NYBERG, REG. PROFESSIONAL LAND SURVEYOR



DRAINAGE DESIGN BY:  
PAUL J. GADOURY, PE  
1 SOUTHBURY ROAD  
CUMBERLAND, RI 02868



MARC N. NYBERG ASSOCIATES, INC.  
LAND SURVEYORS and PLANNERS  
905 VICTORY HIGHWAY  
SLATERSVILLE, RHODE ISLAND 02876  
TEL: (401) 762-2870 FAX: (401) 762-2871

PLAN FOR NOTICE