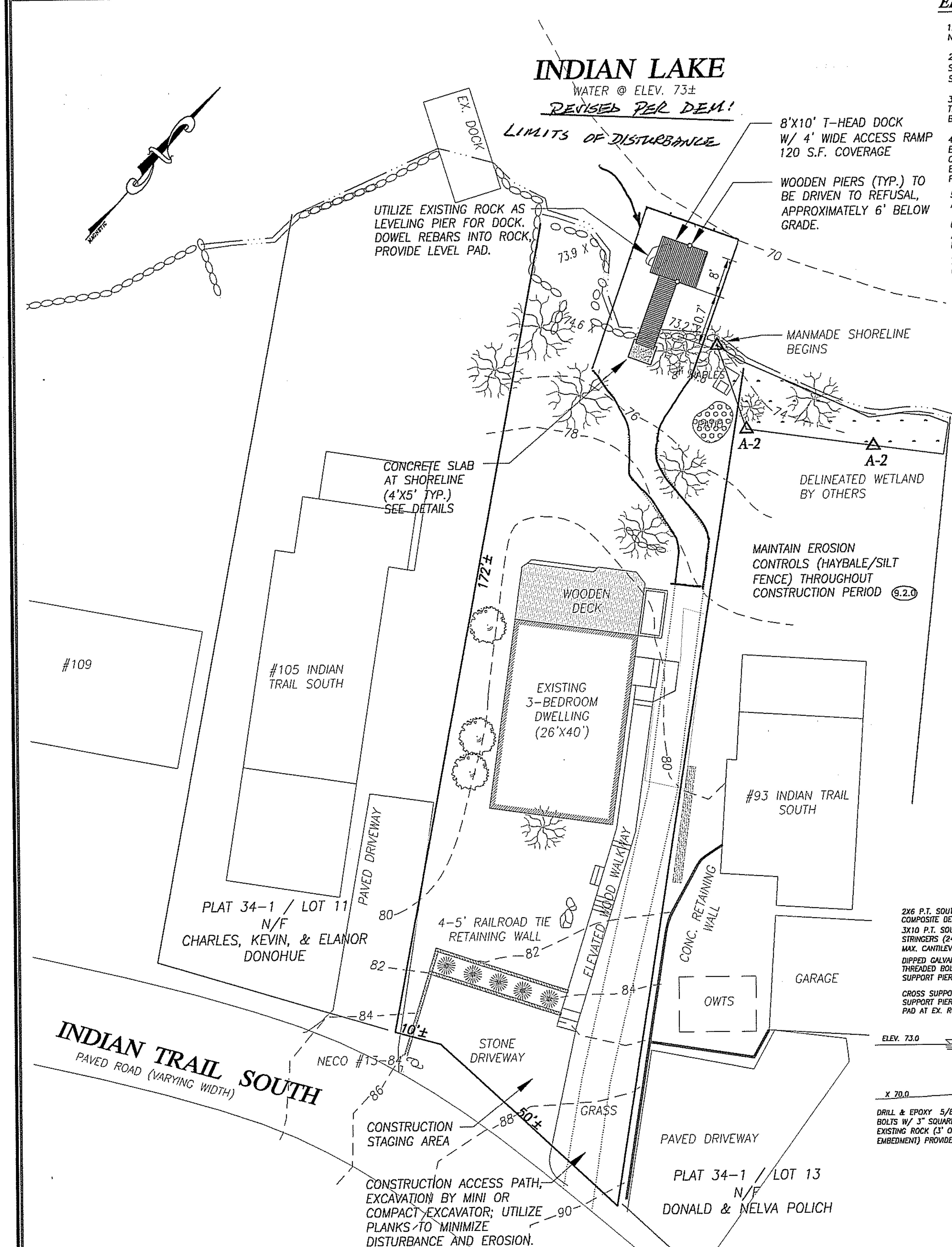


EROSION & SEDIMENT CONTROL NOTES:

1. EXTREME CARE SHALL BE EXERCISED TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING A WETLAND, STREET, OR NEIGHBORING PROPERTY. THE CONTRACTOR SHALL IMMEDIATELY CLEAN AND RESTORE ANY DISTURBED AREAS.

2. ALL EROSION CONTROL METHODS, MATERIALS, AND MAINTENANCE SHALL BE ACCOMPLISHED ACCORDING TO THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, (USDA); AND THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, (DECEMBER 2010.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL TEMPORARY EROSION AND SEDIMENT CONTROLS, AS SHOWN ON THE PLANS AND DIRECTED BY THE ENGINEER. ALL RUNOFF SHALL BE CONTROLLED. IN NO CASE SHALL ANY DIRECT RUNOFF FROM BARE OR DENUDED AREAS BE ALLOWED TO ENTER ONTO ABUTTING PROPERTIES OR INTO THE WETLAND BUFFERS.

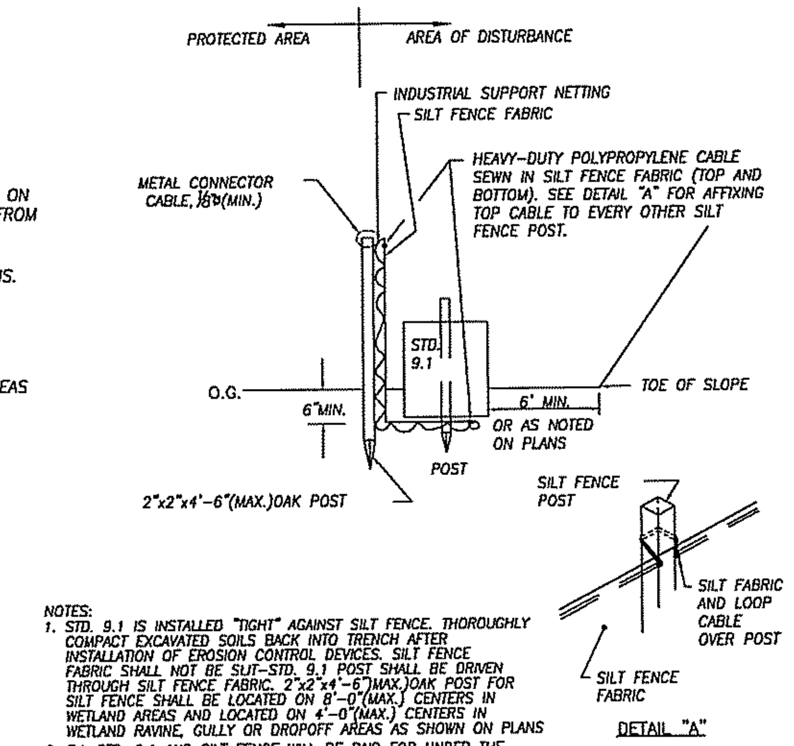
4. HAYBALES/SILTFENCING SHALL BE PLACED IMMEDIATELY DOWN SLOPE OF SOIL DISTURBANCE AREAS AS SHOWN ON THE PLANS. BALED HAY EROSION CHECKS SHALL BE PLACED AT ALL DRAINAGE STRUCTURE INLETS, EXISTING AND PROPOSED, DURING CONSTRUCTION. ADDITIONAL HAYBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER. SPOIL AND STOCKPILE MATERIALS REMAINING EXPOSED FOR LONGER THAN 30 DAYS SHALL BE ENCIRCLED WITH SILT FENCING OR HAYBALES AND COVERED WITH EROSION CONTROL MIX.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROLS UNTIL ALL AREAS ARE STABILIZED. CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF VEGETATION IS ESTABLISHED.

6. SEEDING – SEED IS TO BE DISTRIBUTED EVENLY OVER THE TOP 1 INCH OF TOPSOIL. SEED SHALL BE URI #2, OR APPROVED EQUAL CONSERVATION MIX. APPLY AT A RATE OF 4–5 # / 1,000 S.F. RECOMMENDED SEEDING DATES ARE MARCH 15 – JUNE 15 AND SEPTEMBER 15 – NOVEMBER 15.

7. SHOULD THE VEGETATION PLANTING SEASON BE PASSED, WINTER MULCHING OF ALL EXPOSED SURFACES SHALL BE COMPLETED BY DECEMBER 1, WINTER MULCHING SHALL CONSIST OF THE FOLLOWING EROSION CONTROL MIX.

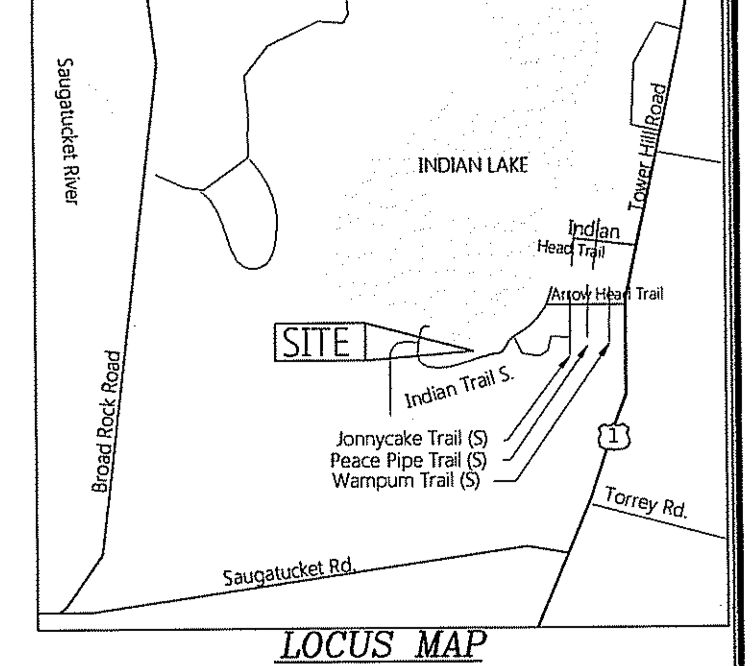
EROSION CONTROL MIX
- USE EROSION CONTROL MIX AS A LONG-TERM SOIL COVER THAT WILL EVENTUALLY ALLOW THE GROWTH OF VEGETATION, IF DESIRED.
- EROSION CONTROL MIX INCLUDES SHREDDED OR COMPOSTED BARK, STUMP GRINDINGS, OR OTHER COMPOSTED WOOD PRODUCTS.
WOOD CHIPS
GROUND CONSTRUCTION DEBRIS, OR PROCESSED WOOD ARE NOT ACCEPTABLE.
- APPLY THE EROSION CONTROL MIX AS A LAYER AT LEAST THREE INCHES THICK. DO NOT COMPACT THE MIX WITH EQUIPMENT.
HAY MULCH
- USE HAY MULCH AS A TEMPORARY MEASURE TO PROTECT BARE SOILS OR TO COVER NEWLY SEEDED AREAS.
- APPLY AT A RATE OF TWO SQUARE BALES (70–90 POUNDS) PER 1000 SQ FT OR 1.5 TO 2 TONS (90–100 BALES) PER ACRE.
- ANCHOR THE HAY MULCH USING ONE OF THE FOLLOWING METHODS:
- STAPLE JUTE OR PLASTIC NETTING OVER THE MULCH ACCORDING TO THE NET OR JUTE MANUFACTURER'S RECOMMENDATION.
- STRETCH TWINE BETWEEN PEGS IN A CRISS-CROSS PATTERN OVER THE MULCH (4–6 PEGS PER SQ YD).
MULCHING SHALL FOLLOW GUIDELINES IN THE RI SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, CHAPTER 4 & CHAPTER 5, A TEMPORARY MULCHING. STRAW / HAY SHALL BE APPLIED AT 90# / 1,000 S.F. FREE FROM WEEDS AND ANCHORED WITH MULCH NETTING.



NOTES:
1. STD. 9.1 IS 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"(MAX.)OAK POST FOR SILT FENCE SHALL BE LOCATED ON 8'-0"(MAX.) CENTERS IN WETLAND AREAS AND LOCATED ON 4'-0"(MAX.) CENTERS IN WETLAND RAVINE, GULLY OR DROPOFF AREAS AS SHOWN ON PLANS
2. R.I. STD. 9.1 AND SILT FENCE WILL BE PAID FOR UNDER THE APPROPRIATE PAY ITEMS, COMPLETE IN-PLACE.

R.I. STANDARD 9.3.0

HAYBALE WITH SILT FENCE



LOCUS MAP

Environmental Management
JAN 25 2012
Office of Water Resources

CONSTRUCTION REQUIREMENTS:

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES, THE RHODE ISLAND STATE BUILDING CODE (SBC-2), THE LOCAL BUILDING INSPECTION OFFICE IN THE TOWN OF SOUTH KINGSTOWN AND/OR ANY APPROPRIATE AUTHORITY HAVING JURISDICTION AT THE PROJECT LOCATION.
2. WHERE DISCREPANCIES EXIST BETWEEN STANDARD PRACTICE, COMMENTS AND NOTES IN THESES PLAN SETS AND THE APPLICABLE CODE, THE MOST RESTRICTIVE CONSTRUCTION METHOD SHALL APPLY.
3. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. DIMENSIONS SHALL BE CHECKED AND VERIFIED PRIOR TO ORDERING MATERIALS.

DESIGN CRITERIA –
WIND ZONE – ZONE 2, 110 MPH – EXPOSURE CATEGORY C
WINTER DESIGN TEMPERATURE – 0° (WASHINGTON COUNTY)
FROST DEPTH – 3'6"

DESIGN LOADS:
LIVE LOAD: 60 PSF ~ WALKWAYS
DEAD LOAD: 12 PSF ~ DEAD LOAD

SOIL BEARING PRESSURE – 3000 PSF (ASSUMED FROM USDA SOIL CLASSIFICATION)

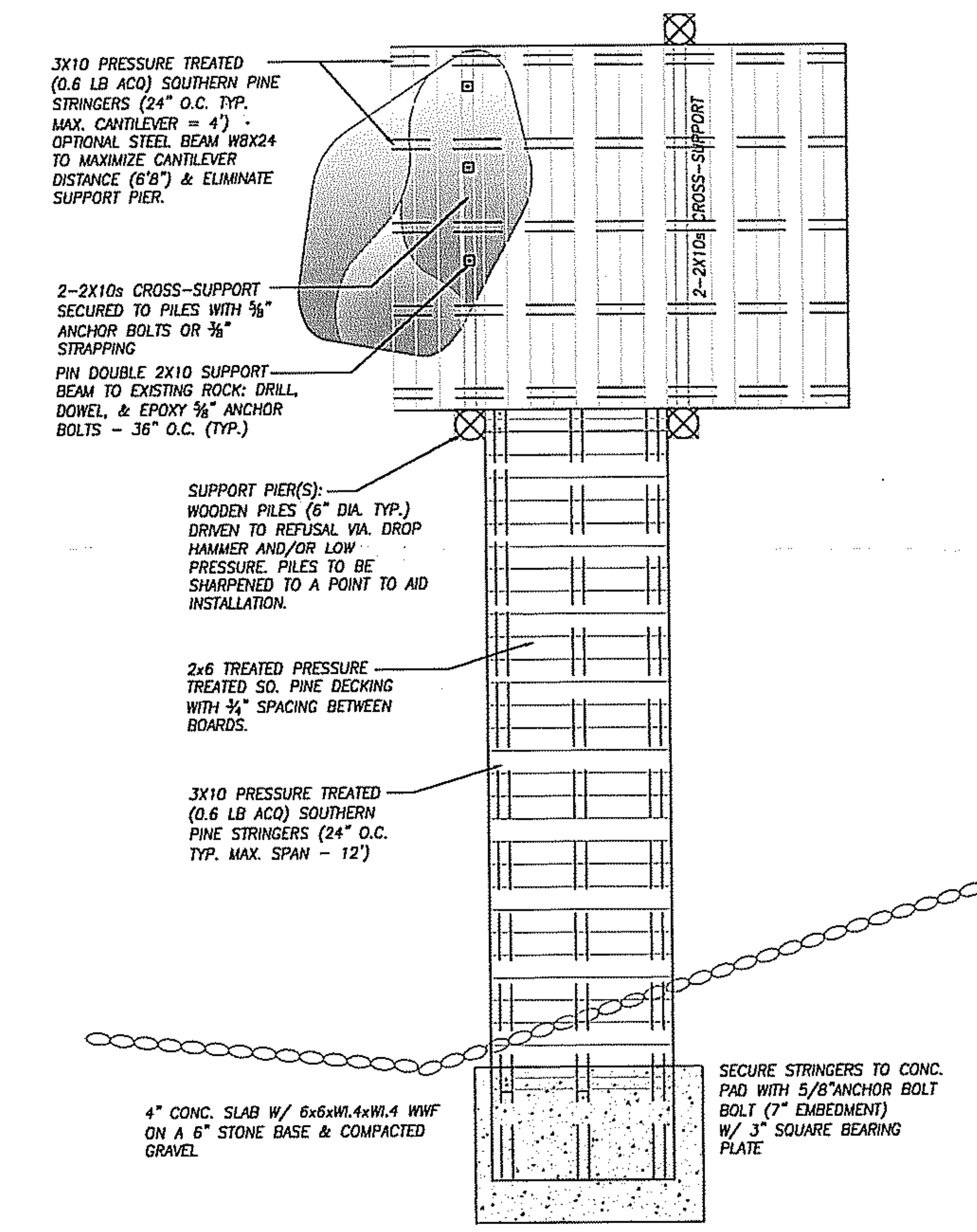
TIMBER NOTES:

1. TIMBER CONSTRUCTION SHALL CONFORM TO PART II "DESIGN SPECIFICATIONS" AS PUBLISHED IN THE TIMBER CONSTRUCTION MANUAL (AITC 1974) AND TO "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" (1982).
2. NEW TIMBER FOR STRUCTURAL USE SHALL HAVE A 19% MOISTURE CONTENT AS SPECIFIED IN THE "NATIONAL SPECIFICATION FOR WOOD CONSTRUCTION" (1982).
3. ALL HANGERS AND FASTENERS SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
4. STRUCTURAL LUMBER SHALL BE SOUTHERN PINE #1 OR CONSTRUCTION GRADE AS LISTED IN THE "GRADING RULES FOR SOUTHERN PINE LUMBER" PUBLISHED BY THE SOUTHERN PINE INSPECTION BUREAU & AS LISTED IN THE NATIONAL FOREST PRODUCT ASSOCIATION "NATIONAL DESIGN SPECIFICATIONS FOR STRESS-GRADE LUMBER AND ITS FASTENING. ALLOWABLE UNIT STRESSES IN EXTREME FIBER AND BENDING EQUAL TO OR GREATER THAN 1,500 PSI AND A MODULUS OF ELASTICITY EQUAL TO OR GREATER THAN 1.6 x 10 PSI.
5. ALL LUMBER SHALL BE TREATED WITH 0.6 LB/CF OF AMMONIACAL COPPER QUATERNARY (ACQ) OR APPROVED EQUAL FOR WOOD PRESERVATION IN FRESH WATER IN ACCORDANCE WITH AMERICAN WOOD PROTECTION ASSOCIATION REQUIREMENTS (AWPA) FOR AQUATIC USE. CHROMATED COPPER ARSENATE (CCA) SHALL NOT BE USED IN FRESH WATER APPLICATIONS.

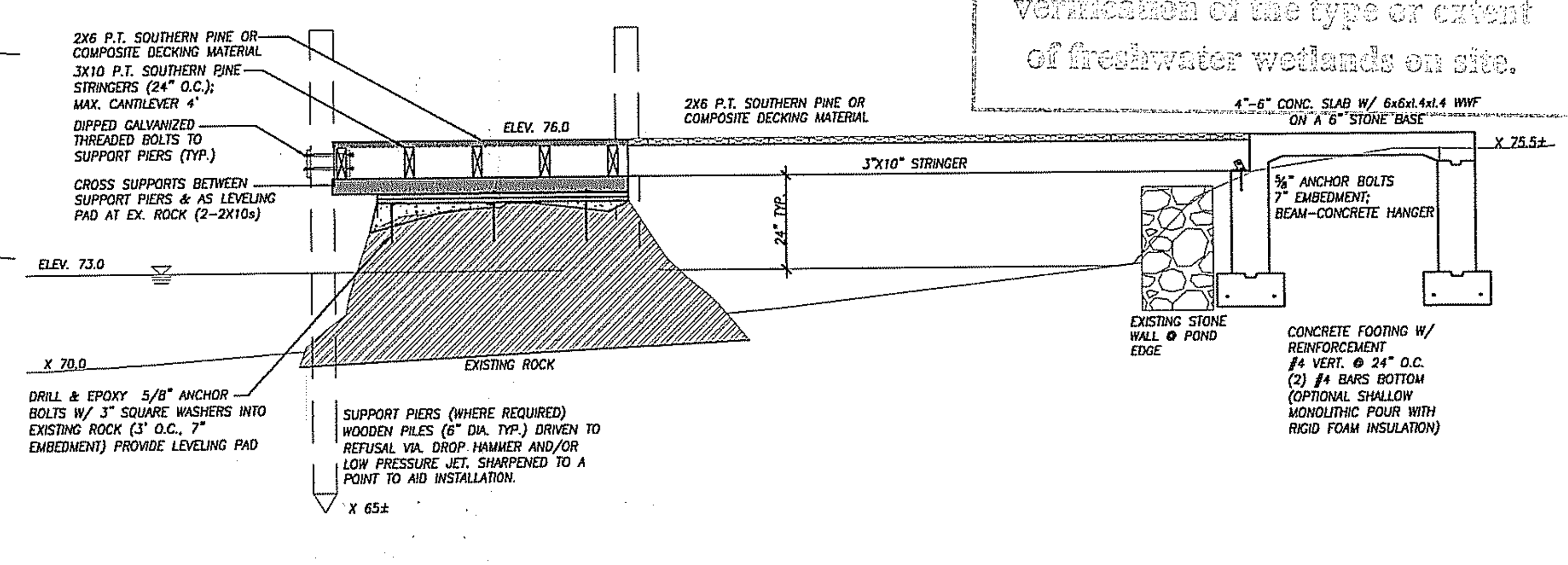
CONCRETE NOTES:

1. SOIL BEARING CAPACITY – MINIMUM 3000 PSF, GENERAL CONTRACTOR TO VERIFY.
2. FOOTING TO BE PLACED ON UNDISTURBED NATURAL SOIL OR ENGINEERED COMPACTED FILL.
3. CONCRETE SHALL BE AIR-ENTRAINED WITH A MINIMUM COMPRESSIVE STRENGTH AS FOLLOWS:
   WALLS, FOOTINGS, & INTERIOR SLABS – MINIMUM 3,000 PSI @ 28 DAYS.
   GARAGE & OUTSIDE SLABS & WALKS – MINIMUM 4,000 PSI @ 28 DAYS.
4. ALL REINFORCED CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-83 AND DETAILED WITH ACI 315-74.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 40.
6. CONCRETE COVER FOR REINFORCING SHALL BE 3 INCHES FOR FOOTINGS AND 2 INCHES FOR FOUNDATION WALLS.
7. ALL SLAB ON GRADE SHALL BE REINFORCED WITH WELDED WIRE FABRIC (WWF) AT MIDPOINT CONFORMING TO ASTM A-185.

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



DECK PLAN VIEW

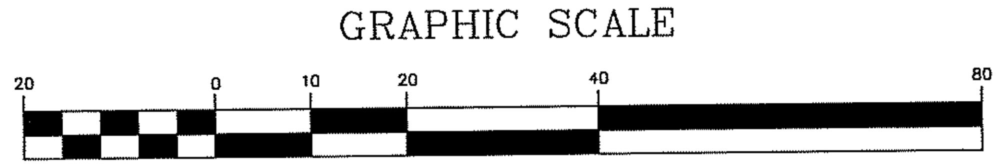


DECK CROSS-SECTION

LEGEND:

101	EXISTING CONTOURS
101	PROPOSED CONTOUR
	EXISTING SITE CONDITIONS
	PROPOSED CONDITIONS
	EXISTING PROPERTY LINE
UP#	EXISTING UTILITY POLE
A-12	DELINEATED WETLANDS
	WETLAND SETBACK
	TREELINE
	STONEWALL
	EROSION CONTROLS / HAYBALES

GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED FEB 22 2012 FILE # 12-0017
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
W. Joseph Carey

RESIDENTIAL DOCK PLAN
99 INDIAN TRAIL SOUTH
PLAT 34-1 / LOT 12
SOUTH KINGSTOWN, RHODE ISLAND

PREPARED BY:
JEFFREY J. CAMPOPIANO P.E.
16 WEST MAIN STREET
WICKFORD, RHODE ISLAND 02852
PHONE: (401) 295-3037/FAX: (401) 295-1118

PREPARED FOR:
ROY RECTOR
19 CHAMBERLAIN STREET
HOPKINTON, MA 01748

No. 6282
REGISTERED PROFESSIONAL ENGINEER
1/20/12

PRELIMINARY DETERMINATION

REV.	DATE	DESCRIPTION	DATE: 12/12/011
			SCALE: 1" = 20'
			1