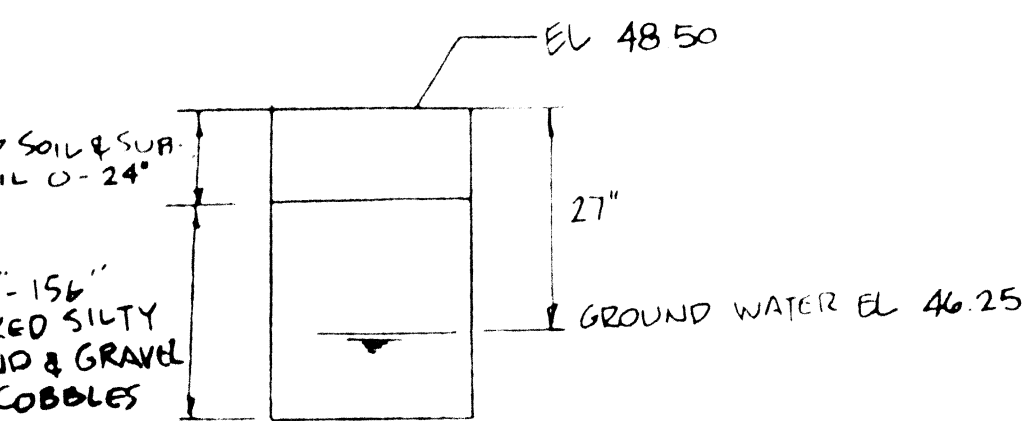


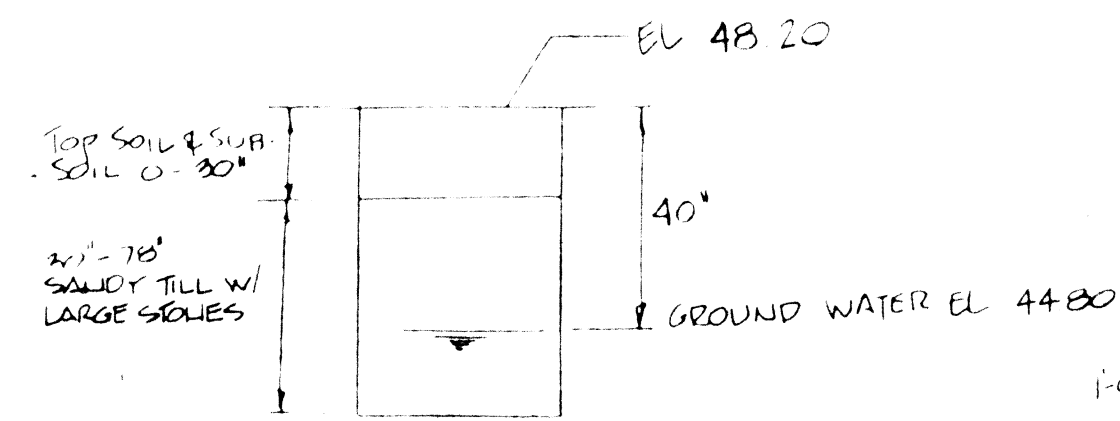
TEST PIT Z-A



WATER TABLE DATA

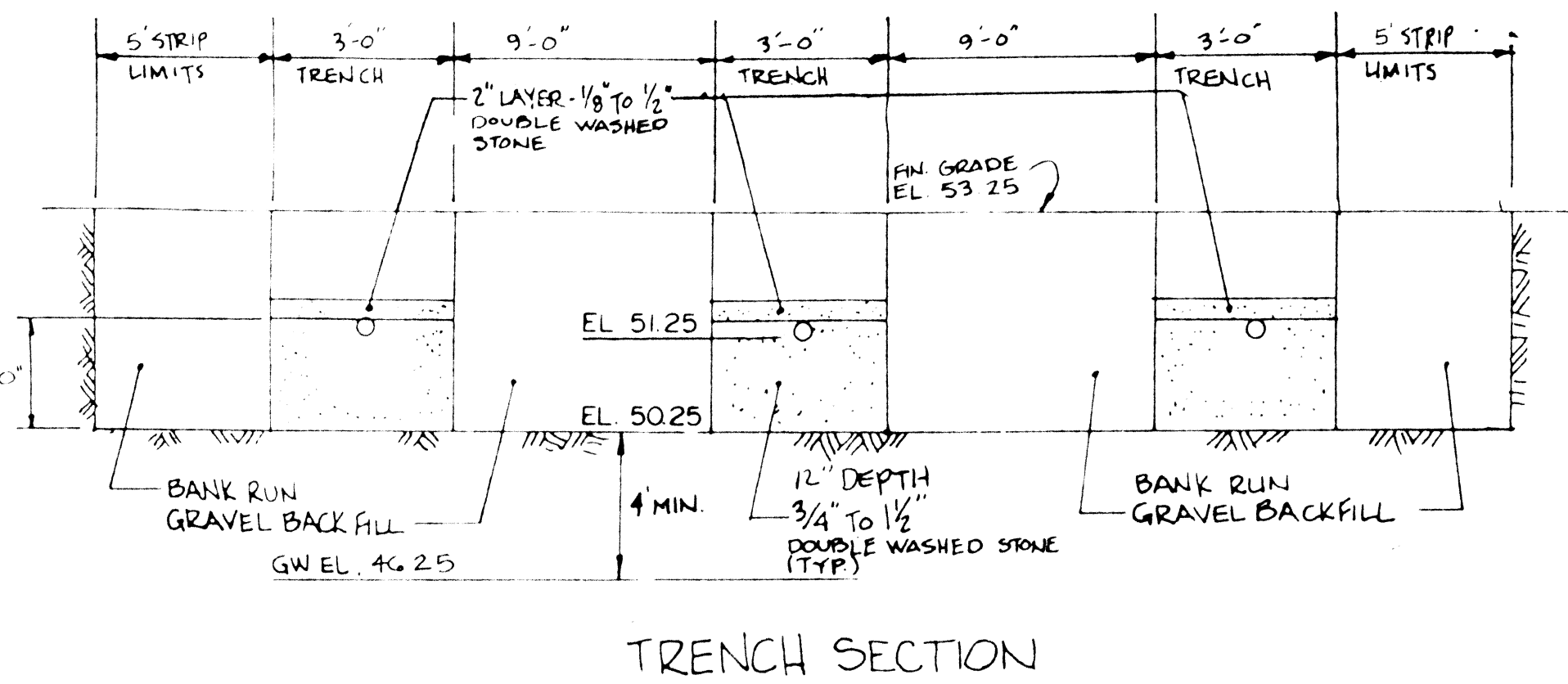
DATE DUG 3-94
 DATE READ 4-5-74
 WT DEPTH 27"
 PERC RATE 10 MPI.
 PERC DEPTH 48"
 WITNESS H CHENEVERT, JR.

TEST PIT Z-B



WATER TABLE DATA

DATE DUG 3-94
 DATE READ 4-5-74
 WT DEPTH 40"
 PERC RATE 10 MPI.
 PERC DEPTH 48"
 WITNESS H CHENEVERT, JR.

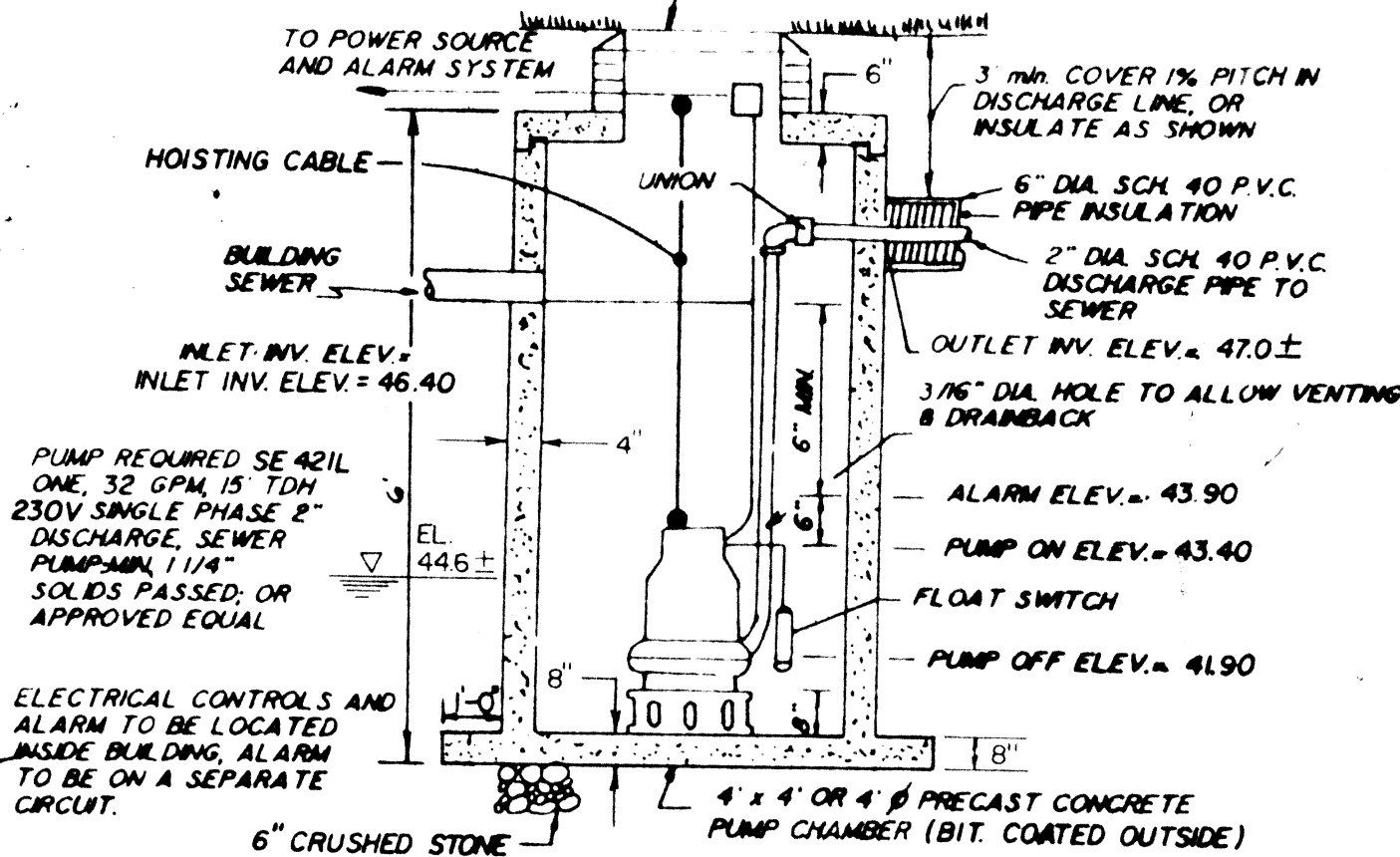


TRENCH SECTION

N.T.S.

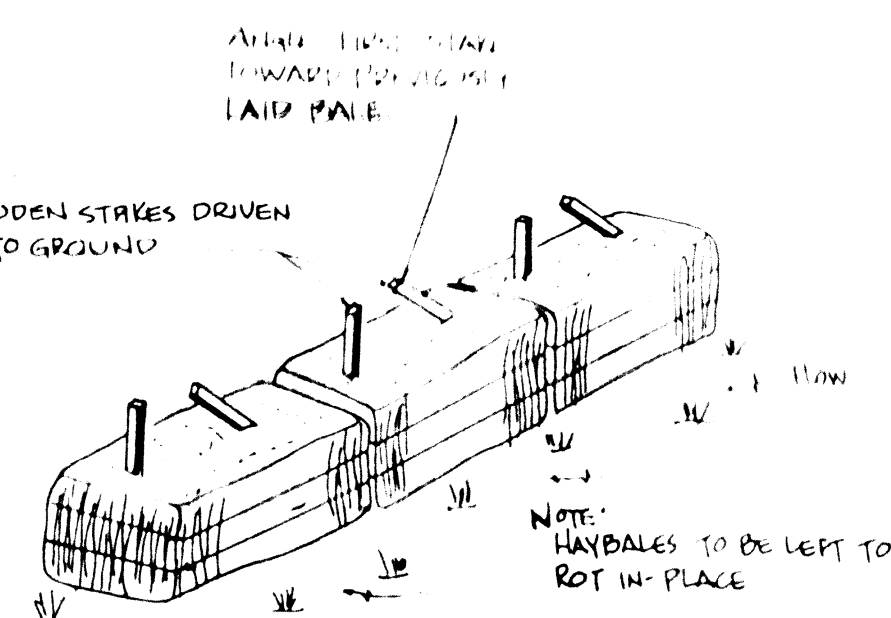
NOTE:

CONTRACTOR TO FURNISH SHOP DRAWINGS OF PUMP CHAMBER STRUCTURE FOR APPROVAL BY THE ENGINEER.



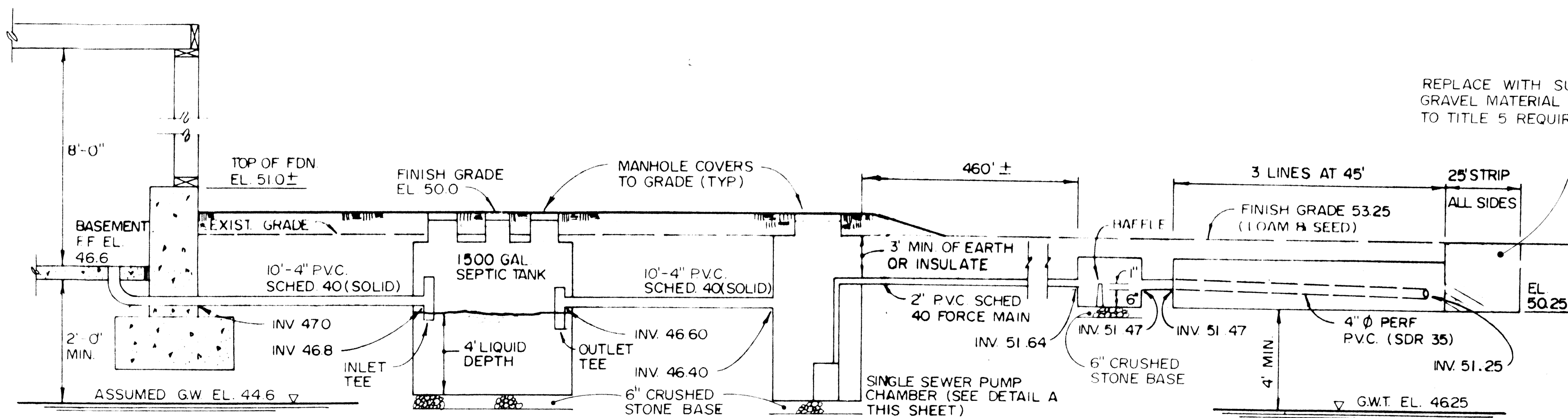
SINGLE SEWERAGE PUMP CHAMBER

N.T.S.



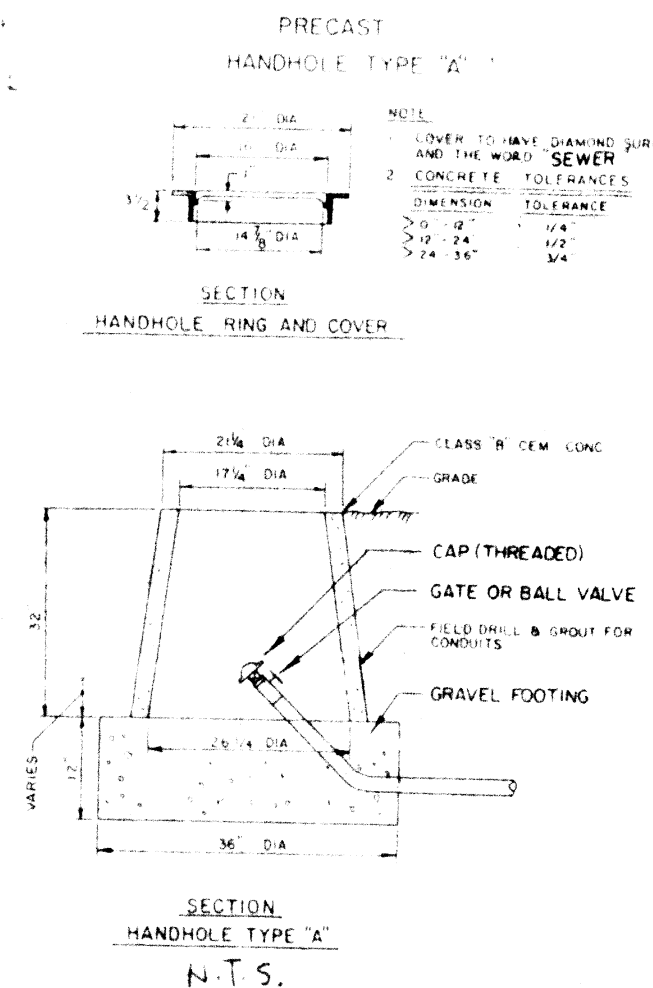
HAY BALE EROSION CHECK

(NOT TO SCALE)



SYSTEM PROFILE

N.T.S.



N.T.S.

REPLACE WITH SUITABLE GRAVEL MATERIAL ACCORDING TO TITLE 5 REQUIREMENTS

NOTES

- All work shall conform to the 310 CMR 15.00 State Environmental Code Title 5 "Rules and Regulations" and the "Rules and Regulations" of the Local Board of Health.
- Strip all top soil, sub-soil and any other impervious soil in the area of the system and 5' beyond in all directions where required.
- All piping to be 4" PVC Sched. 40 unless otherwise noted.
- The cellar floor elevation shown has been set as a minimum based upon observed groundwater conditions. Since groundwater levels fluctuate annually, no warranty of a dry cellar is expressed or implied.
- If conditions encountered during construction differ substantially from those shown on the plan, the contractor shall notify SCE Corporation, Inc before proceeding with construction.
- No domestic garbage grinder is allowed for this system.
- Top of foundation elevation set at 51.0 +/- based on assumed groundwater table elevation of 44.6 at the building site.
- Inlet and outlet tees shall be 4" PVC (Sched. 40).
- There is no public water supply in this area.
- All components for pump chamber including pump, floats, alarms, contactors, level controls shall be as manufactured by "BARNES" or approved equal.
- All disturbed areas are to be loamed and seeded.
- No thrust blocks are required on the 2" force main line from pump station.

DESIGN DATA

Daily Sewage Flow

3 bedrooms x 110 gallons/bedroom x 1.50 = 495 gallons/day

Septic Tank Requirements

1500 gallons (minimum)

Leaching Area Requirements

Class I soil
 495 GPD x 1/74 GPD/SF = 670 SF
 Effective width: 3'
 Length = 95', say 2 trenches at 48' each

LEGEND

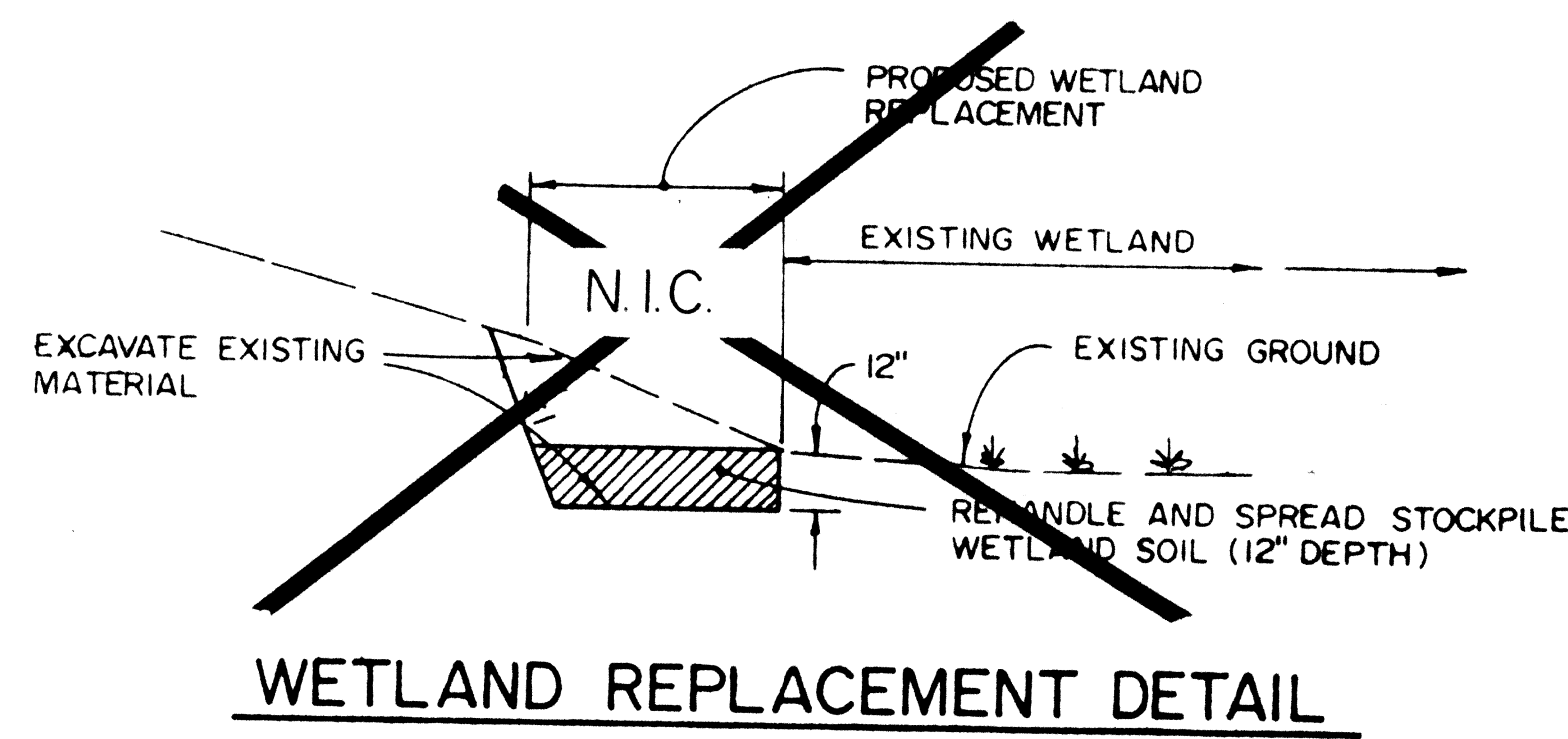
- Utility Pole
- Property Line
- CB Catch basin
- Waterline
- Existing Contour
- Proposed Contour
- Proposed Spot Grade
- Test Pit
- Perc Test
- Proposed Tree Line and Permanent Limit of Disturbance (Northern White Cedar, 4'-5' High)
- Wetland Flag (From Field Survey)
- Hay bale line (limit of disturbance)

NOTES FOR CONSTRUCTION OF WETLAND REPLACEMENT AREA

- Soils in the adjacent wetland shall be removed to an elevation 12" below that of the adjacent wetland. Care shall be required to excavate to a depth that the maximum amount of soil in contact with the surrounding area is safeguarded and that the remaining soil of the wetland is protected.
- Material excavated from the adjacent wetland shall be placed in the replacement area and spread evenly to an area equal to the existing wetland. If topsoil is available from the adjacent wetland, it shall be used. A mixture of soil and topsoil shall be used. The replacement area shall be planted with a mixture of 50% grass and 50% trees. The trees shall be planted in each replacement area. The planting shall be done in an attempt to match the adjacent wetland. The trees shall be planted in areas that are shaded. The trees shall be planted in areas that are shaded. The trees shall be planted in areas that are shaded.
- All planted areas shall be covered with a 3" layer of mulch within 72 hours after planting. The replacement area shall be mulched to a depth of approximately 2 inches to reduce soil erosion and preserve the moisture content of the soil.
- If conditions permit, the replacement area shall be watered with 1/2 inch of water per week during the first year. The soil shall be thoroughly saturated around each tree. The replacement area shall be kept moist until the replacement area is established. The replacement area shall be watered during the dry season to promote survival and growth of the new vegetation.
- At least 75 percent of the replacement area shall be revegetated with indigenous wetland plant species within two growing seasons. If the revegetation of the replacement area has not occurred within two growing seasons, further plantings will be required.

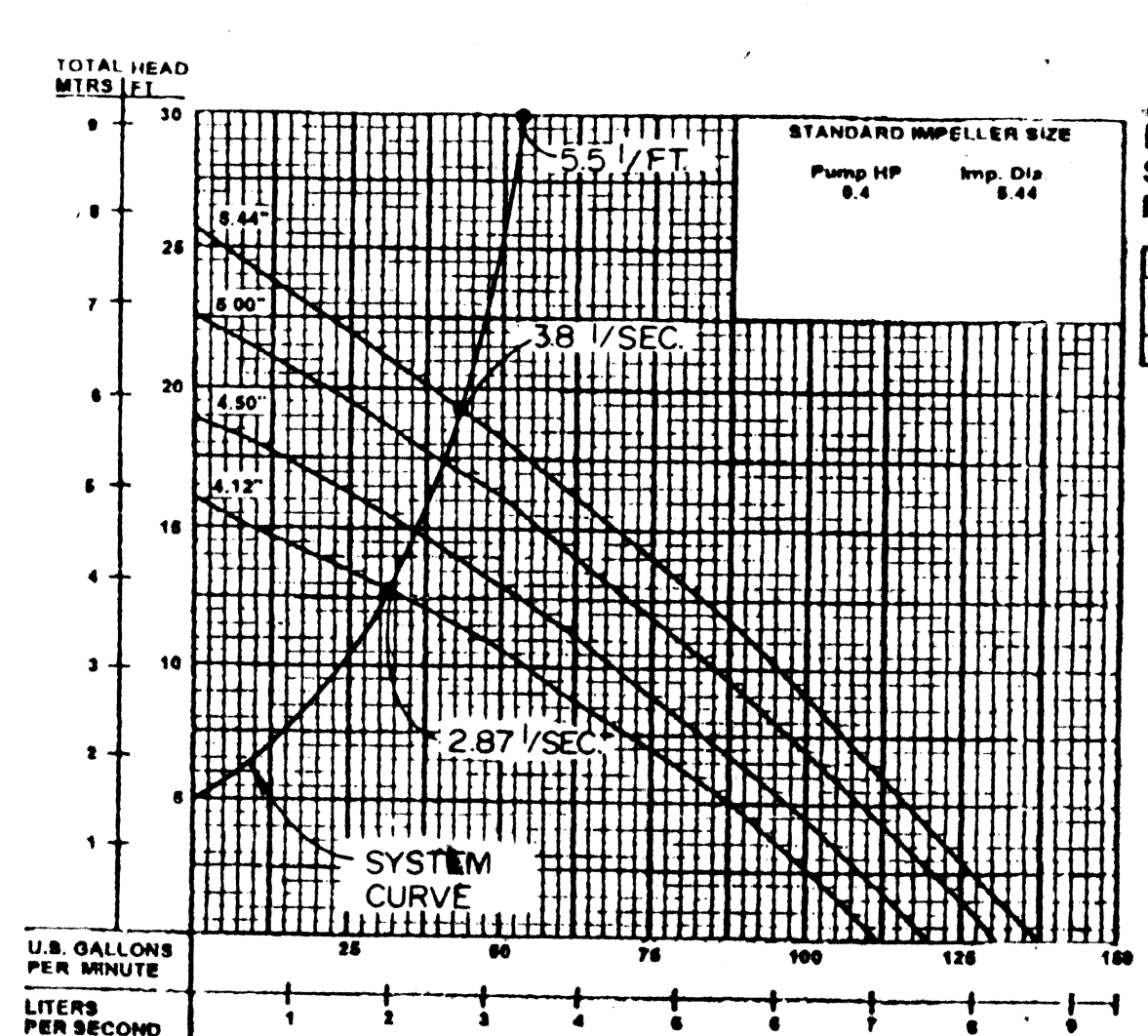
GENERAL NOTES

- Construction shall be in accordance with Section VIII of the Rules and Regulations covering the Sub-Division of Land.
- Street facilities shall be installed in accordance with the Standard Specifications of the Massachusetts Department of Public Works.
- All utility systems shall be installed in accordance with the Standard Specifications of the Massachusetts Department of Public Works.
- Drainage facilities shall be provided and installed in accordance with the Massachusetts Department of Public Works Standard Specifications. Catchbasin grates shall be bicycle safe.
- Roadway components shall be installed in accordance with Section 8.5 of the "Rules and Regulations" covering the Sub-Division of Land.
- Monuments shall be installed at all street intersections, points of curvature and tangency and at changes of direction. Monuments are to be set according to Town of Seekonk standards and shall be installed after all construction is complete.
- Street signs shall be furnished and installed by the Sub-Division for each street intersection and set 18" from the gutter line.
- All trees to be preserved shall be marked and provided with tags during construction. Tree wells shall be utilized to protect trees due to earth cut and fill.
- No unauthorized departure from the approved Definitive Plan shall be permitted without prior approval of the Planning Board. As-built plans shall be submitted to the Planning Board for review and approval.
- The contractor shall obtain all local construction permits prior to any work in the public way.



WETLAND REPLACEMENT DETAIL

N.T.S.



Testing is performed with water, specific gravity of 1.0 @ 68° F. Other fluids may vary performance.

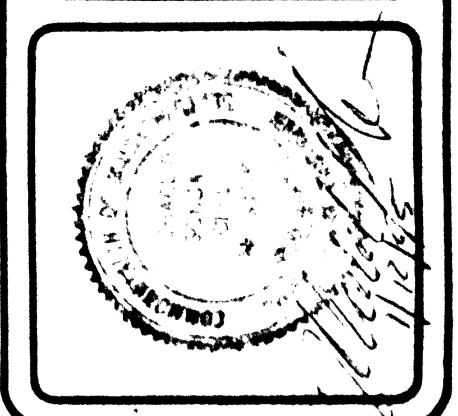
CRANE PUMPS & SYSTEMS

Barney Pump, Inc.
 250 West Street
 New Bedford, MA 01945
 Phone: (508) 538-1111
 Fax: (508) 538-1112

Barney Pump, Inc.
 250 West Street
 New Bedford, MA 01945
 Phone: (508) 538-1111
 Fax: (508) 538-1112

SOUSA CONSULTING ENGINEERS

240 Washington Street
 Providence, RI 02903
 Phone: (401) 433-1800
 Fax: (401) 433-1811



PROJECT: PROPOSED LOT 2
 READ STREET SEEKONK, MA.

CLIENT: ROBERT BUTLER
 10 PHILIPS LANE
 RYE, N.Y. 04580

DRAWING TITLE: TYPICAL SECTION, DETAILS & NOTES

BY: U.S.D.S. INVERTS, PUMP CHAMBER

REVISIONS:

NO.	DATE	DESCRIPTION
1	1/17/94	ISSUE FOR PERMITS
2	1/17/94	ISSUE FOR PERMITS
3	1/17/94	ISSUE FOR PERMITS

PROJECT NO: _____

DATE: JANUARY 9, 1995

SCALE: AS SHOWN

DRAWN BY: _____

CHECKED BY: _____

DRAWING NUMBER: _____

SHEET 2 OF 2