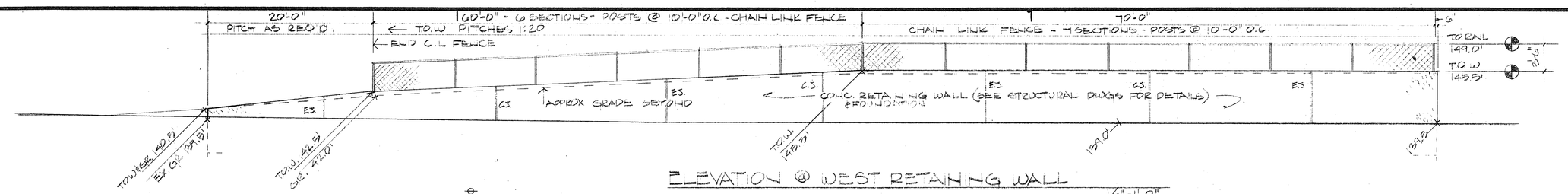
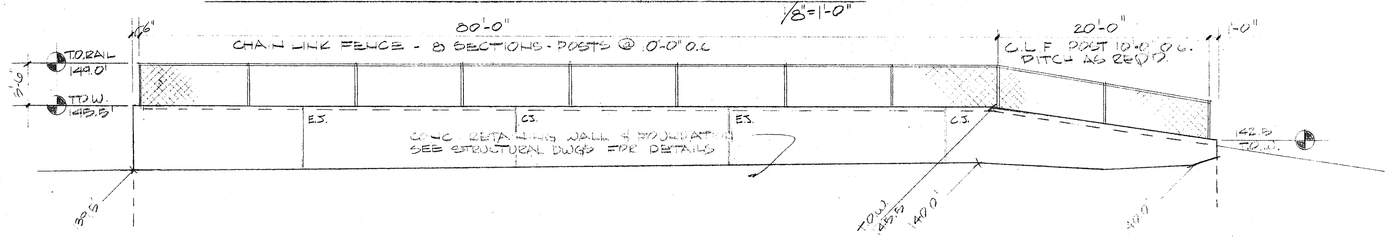


ELEVATION @ WEST RETAINING WALL

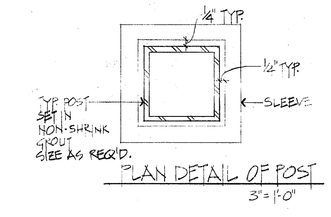
1/8"=1'-0"



ELEVATION @ SOUTH RETAINING WALL

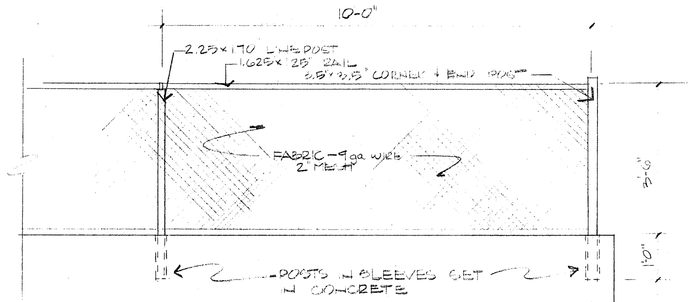
1/8"=1'-0"

REFER TO STRUCTURAL DRAWINGS FOR EXPANSION JOINTS (EJ.) & CONTROL JOINTS (C.J.)



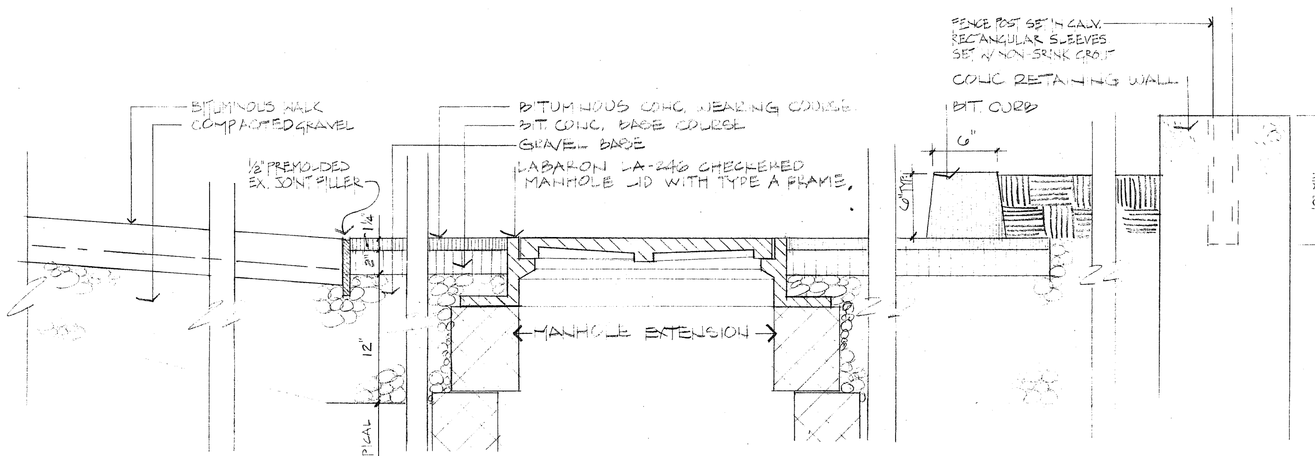
PLAN DETAIL OF POST

3"=1'-0"



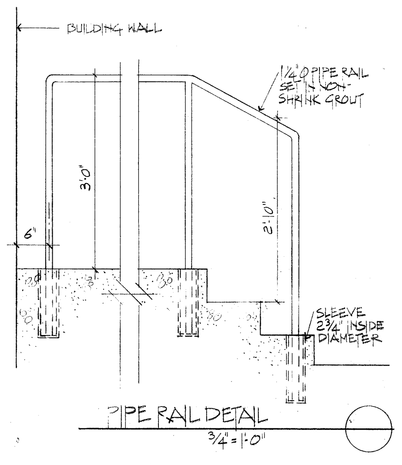
TYPICAL CHAIN LINK FENCE

1/2"=1'-0"



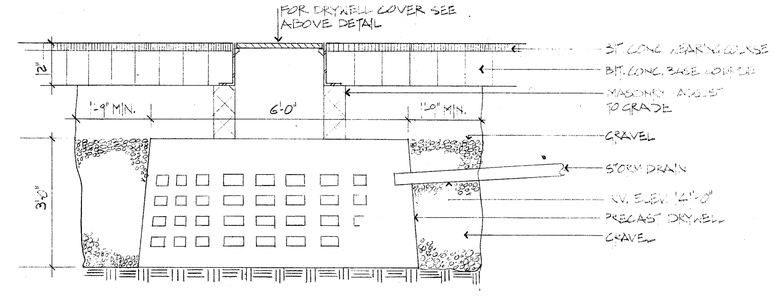
TYPICAL PAVING & SITE DETAILS

1/2"=1'-0"



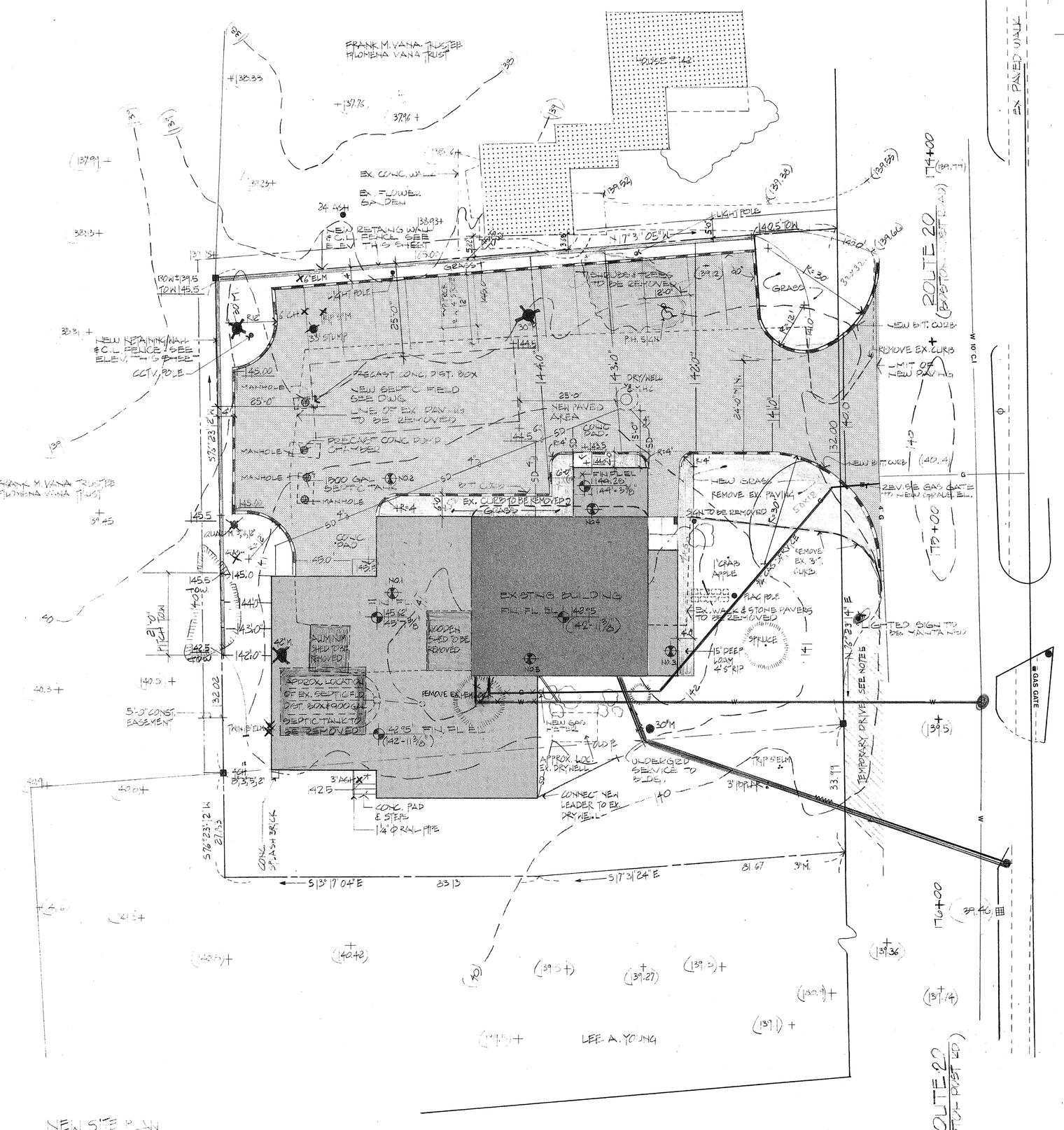
PIPE RAIL DETAIL

3/4"=1'-0"



DRYWELL DETAIL

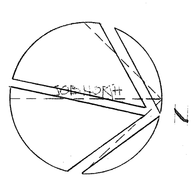
1/2"=1'-0"



NEW SITE PLAN

SCALE 1/16" = 1'-0"

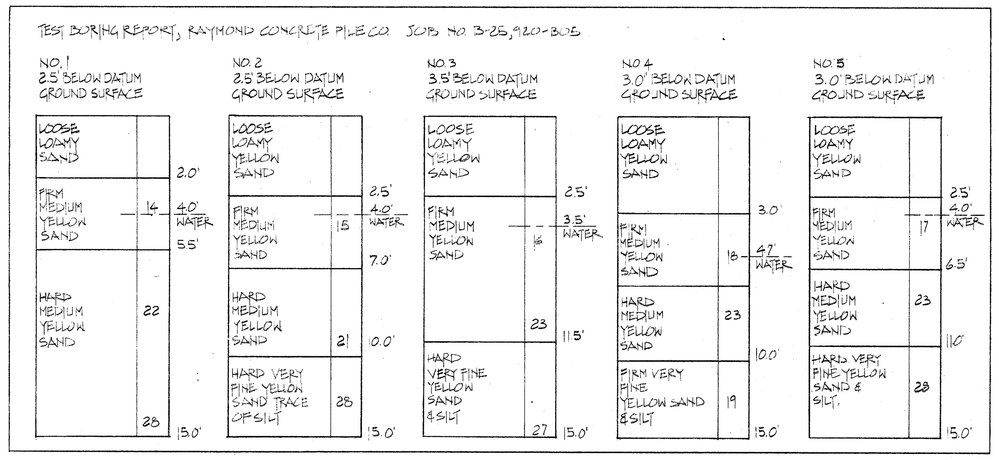
EXISTING CONDITIONS TAKEN FROM A DRAWING ENTITLED "PLAN OF LAND IN SUDBURY, MASS." SHOWING PROPOSED ADDITION & SITE PLAN BOSTON EDISON CO. BY PUTNAM MAPPING BY T.J. SULLIVAN ENGINEERING DEPT. JAMES V. MERLINO, SR. ASST. TOWN ENGINEER SCALE 1"=50'



LEGEND:

- (40) — EXISTING CONTOUR LINE
- 40 — NEW CONTOUR LINE
- +(40.7) — EXISTING SPOT ELEVATION
- +40.00 — NEW SPOT ELEVATION
- G — EXISTING GAS SERVICE
- W — EXISTING WATER SERVICE
- W — NEW WATER SERVICE
- T — EXISTING TELEPHONE SERVICE
- E — EXISTING ELECTRIC SERVICE
- X — X — EXISTING SERVICE TO BE REMOVED
- P — PROPERTY LINE
- NEW BIT. WALK
- EXISTING TREES TO BE REMOVED
- EXISTING TREES TO REMAIN
- NEW BIT. CURB
- 116+00 — ROAD STATION POINT
- NEW BIT. PAVING
- NEW ADDITION
- EXISTING BLDG.
- LIMIT OF CONST. EASEMENT
- M — MAPLE TREE
- CH — CHERRY TREE
- HEM — HEMLOCK TREE
- EX. PLANTING TO REMAIN
- SD — STORM DRAIN
- TEMPORARY DRIVE
- BORING LOCATION (NOTE 6)
- INSTALL 15" DEPTH OF PLANTING LOAM

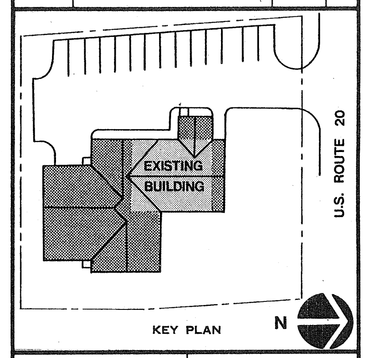
TEST BORING REPORT, RAYMOND CONCRETE PILE CO. JOB NO 3-25, 420-305



GENERAL NOTES

1. **CONTRACTOR VERIFY ALL DIMENSIONS AT BUILDING**
2. EXISTING TREES SHALL BE PLANTING TO BE MAINTAINED WHEREVER POSSIBLE. ARCHITECTS OR TEN APPROVAL REQUIRED PRIOR TO THE REMOVAL OF ANY SUCH ITEMS NOT SPECIFICALLY NOTED ON DWGS FOR REMOVAL.
3. CONSTRUCTION EASEMENT PROPERTY SHALL BE RETURNED TO ITS EXISTING CONDITION FOLLOWING COMPLETION OF RETAINING WALL OR RELATED CONSTRUCTION.
4. CONNECT S.V. DRAIN STORM DRAIN LINES TO CAST IRON.
5. TEMPORARY PARKING FOR POLICE USE ABOVE BIT. PAVING & TOPSOIL FOR TEMP. PARKING. MAINTAIN 5 PARKING SPACES MINIMUM THROUGHOUT CONSTRUCTION FOR POLICE & PUBLIC USE ONLY. RE-GRADE LOAM & SEED AS REQ'D FOLLOWING COMPLETION OF NEW PARKING AREA.

REV. NO.	DESCRIPTION	DATE	BY

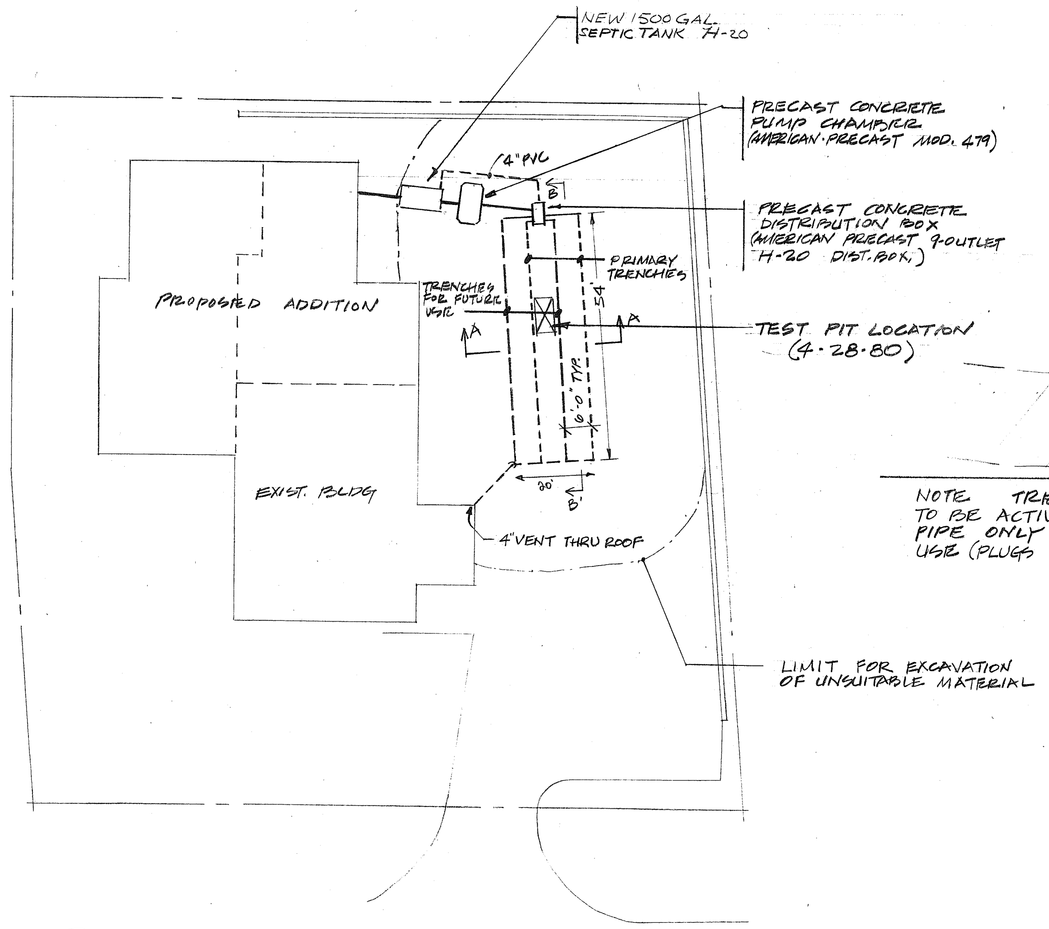


ALTERATIONS & ADDITIONS
POLICE STATION
SUDBURY, MASS.

KUBITZ & PEPI
ARCHITECTS INC.
66 CENTRAL STREET WELLESLEY MASS.

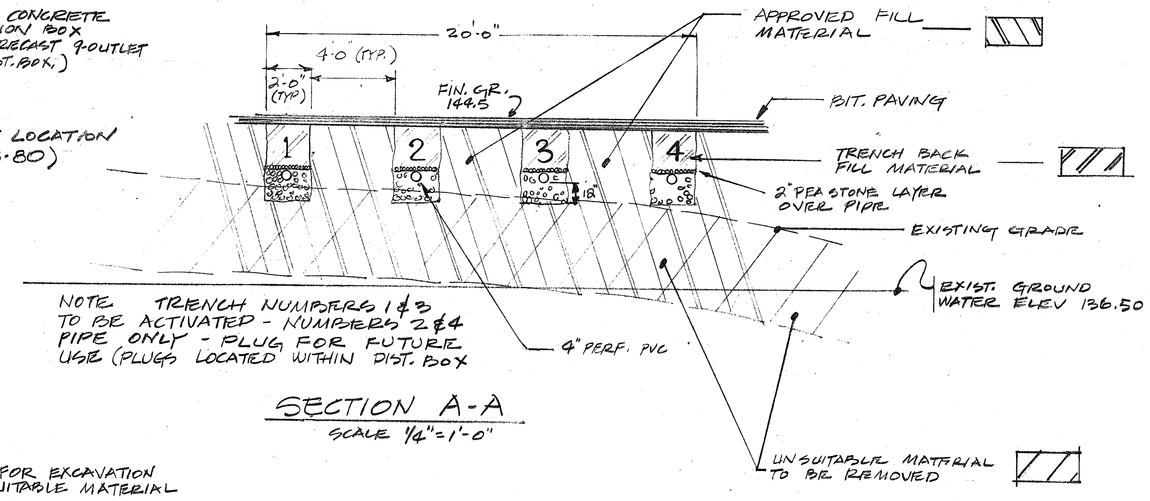
NEW SITE PLAN, DETAILS & BORING DATA.

SCALE AS NOTED	CONTRACT
DATE AUG. 28 80	DRAWING NO L 2
DR BY LT/TE	
CH BY WAG	
SHEET 3 OF 28	



SITE PLAN

SCALE 1"=20'-0"



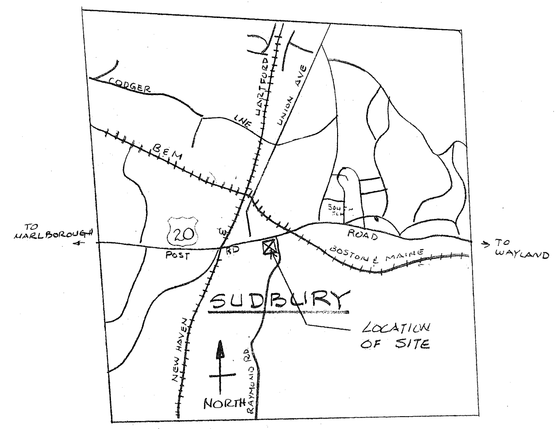
NOTE TRENCH NUMBERS 1 & 3 TO BE ACTIVATED - NUMBERS 2 & 4 PIPE ONLY - PLUG FOR FUTURE USE (PLUGS LOCATED WITHIN DIST. BOX

SECTION A-A

SCALE 1/4"=1'-0"

TEST PIT LOG

0'-5" BITUMINOUS PAVING
5'-24" GRAVEL
24'-35" LOAM
35'-46" SUB-SOIL
46'-120" SAND
(GROUND WATER AT 54" BELOW GRADE)
PERC. RATE > 2MIN/IN.



LOCATION PLAN

SCALE

DESIGN CRITERIA

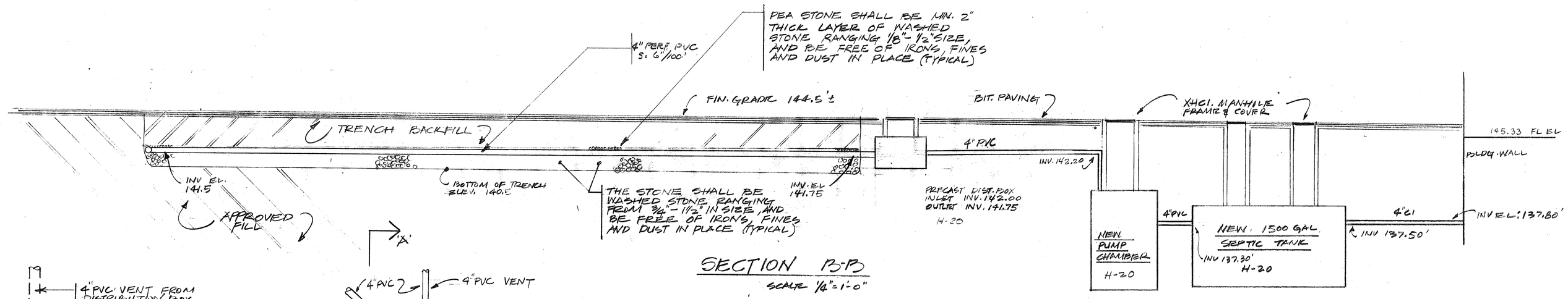
FLOW: 40 PEOPLE @ 10 GPPD = 400 GPD

SEPTIC TANK: 1.5 X 400 = 600 GAL - USE 1500 GAL. TANK DESIGN FOR H-20 LOADING

LEACHING TRENCHES: (2) TRENCHES 54' LONG X 2' WIDE X 1' DEEP =
216 FT² BOTTOM AREA } TOTAL
224 FT² SIDE AREA } LEACH AREA
216 X 2.5 GAL/FT² = 540 GAL/DAY/SIDE
224 X 1.0 " " = 224 " " "
764 GAL/DAY TOTAL CAPACITY

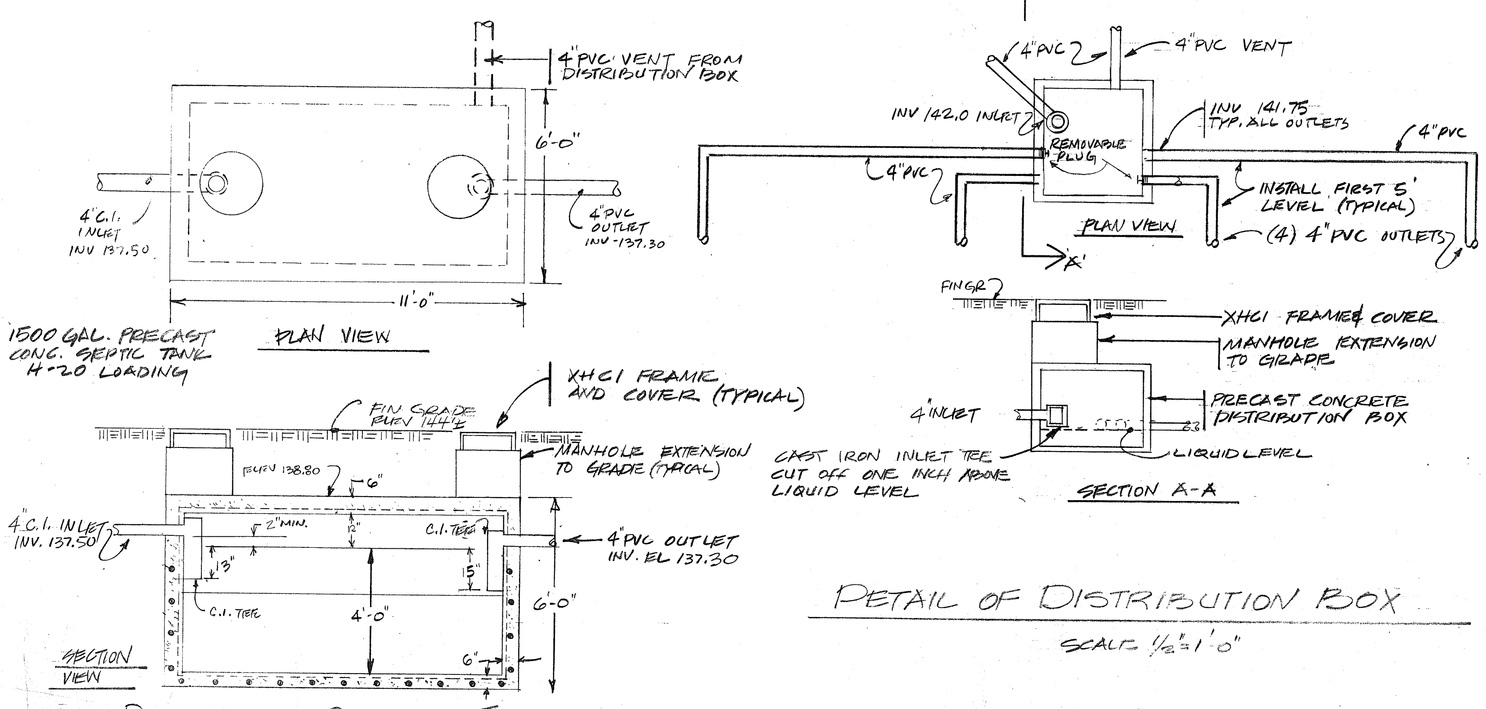
PUMP CHAMBER: 216 FT² BOTTOM AREA X 2" DOSE/15MIN
= 34.56 FT³ X 7.5 GAL = 259 GAL/DOSE

PUMPS: 50 GPM - DUPLEX = 5 MIN. DOSE



SECTION B-B

SCALE 1/4"=1'-0"

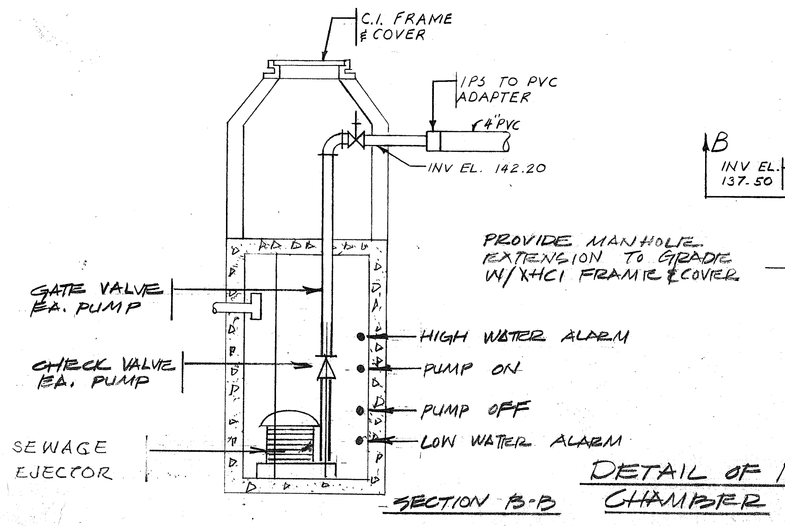


DETAIL OF SEPTIC TANK

SCALE 3/8"=1'-0"

DETAIL OF DISTRIBUTION BOX

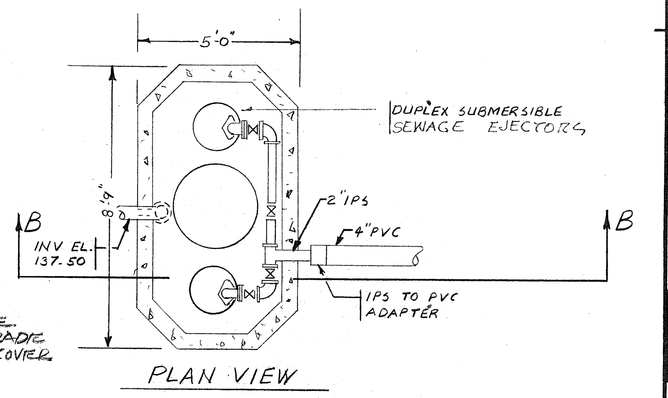
SCALE 1/2"=1'-0"



DETAIL OF PUMP CHAMBER

SCALE 3/8"=1'-0"

PROVIDE MANHOLE EXTENSION TO GRADE W/ XHCI FRAME & COVER.



PLAN VIEW

GENERAL NOTES

1. **CONTRACTOR VERIFY ALL DIMENSIONS AT BUILDING**
2. ALL GRAVEL AND STONE FOR SEWAGE DISPOSAL SYSTEM SHALL BE TRIPLE WASHED FREE FROM ALL IRONS, FINES, DUST, ETC. AND MEET THE APPROVAL OF THE ENGINEER, THE BOARD OF HEALTH AND TITLE V OF THE STATE ENVIRONMENTAL CODE PRIOR TO PLACEMENT OF ANY STONE IN TRENCHES.
3. THE ENTIRE INSTALLATION OF SEWAGE DISPOSAL SYSTEM SHALL BE INSTALLED TO MEET THE APPROVAL OF THE TOWN OF SUDBURY PUBLIC WORKS DEPT. AND THE BOARD OF HEALTH REQUIREMENTS
4. ALL PRECAST CONCRETE STRUCTURES SHALL BE DESIGNED FOR H-20 LOADING

REV. NO.	DESCRIPTION	DATE	BY

KEY PLAN

REGISTERED ARCHITECT ARTHUR EUGENE SULLIVAN No. 1163 COMMONWEALTH OF MASSACHUSETTS

COMMONWEALTH OF MASSACHUSETTS ARTHUR EUGENE SULLIVAN No. 1077 REGISTERED PROFESSIONAL ENGINEER

ALTERATIONS & ADDITIONS
POLICE STATION
SUDBURY, MASS.

KUBITZ & PEPI
ARCHITECTS INC.
66 CENTRAL STREET WELLESLEY MASS.

SEWAGE DISPOSAL PLANS & DETAILS

SCALE AS NOTED	CONTRACT
DATE AUG 28, 1980	DRAWING NO L3
DR BY J.L.S.	
CH BY E.F.B.	
SHEET 4 OF 28	