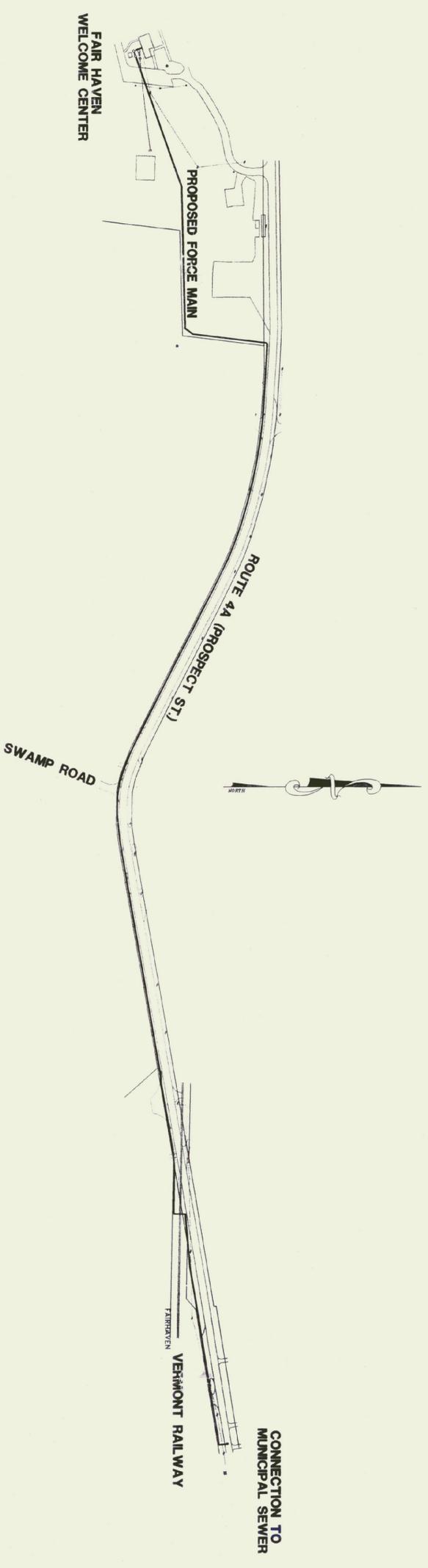


FAIR HAVEN WELCOME CENTER SEWER FORCE MAIN

FEDERAL PROJECT NO. NH-020-1(16)
AUGUST 1999



OWNER

STATE OF VERMONT AGENCY OF ADMINISTRATION
DEPARTMENT OF BUILDINGS AND GENERAL SERVICE
2 GOVERNOR AIKEN AVENUE
MONTPELIER, VERMONT 05633-5801
THOMAS W. TORTI, COMMISSIONER

SHEET INDEX

1. WELCOME CENTER SITE PLAN
2. SEWER PLAN 0+00 TO 15+50
3. SEWER PLAN 15+50 TO 29+50
4. SEWER PLAN 29+50 TO 49+30
5. SEWER PROFILES 0+00 TO 23+00
6. SEWER PROFILES 23+00 TO 49+30
7. MISC. SEWER DETAILS
8. MISC. SEWER DETAILS
9. A.O.T. TRAFFIC CONTROL DETAILS

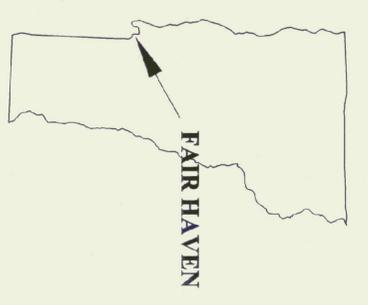
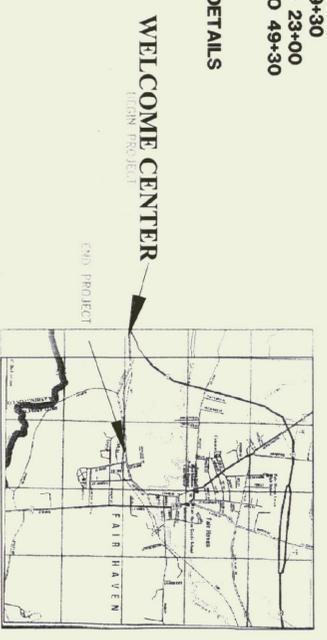
OWNER

FEDERAL HIGHWAY ADMINISTRATION
87 STATE STREET
MONTPELIER, VERMONT 05602

ADMINISTRATOR _____ DATE _____

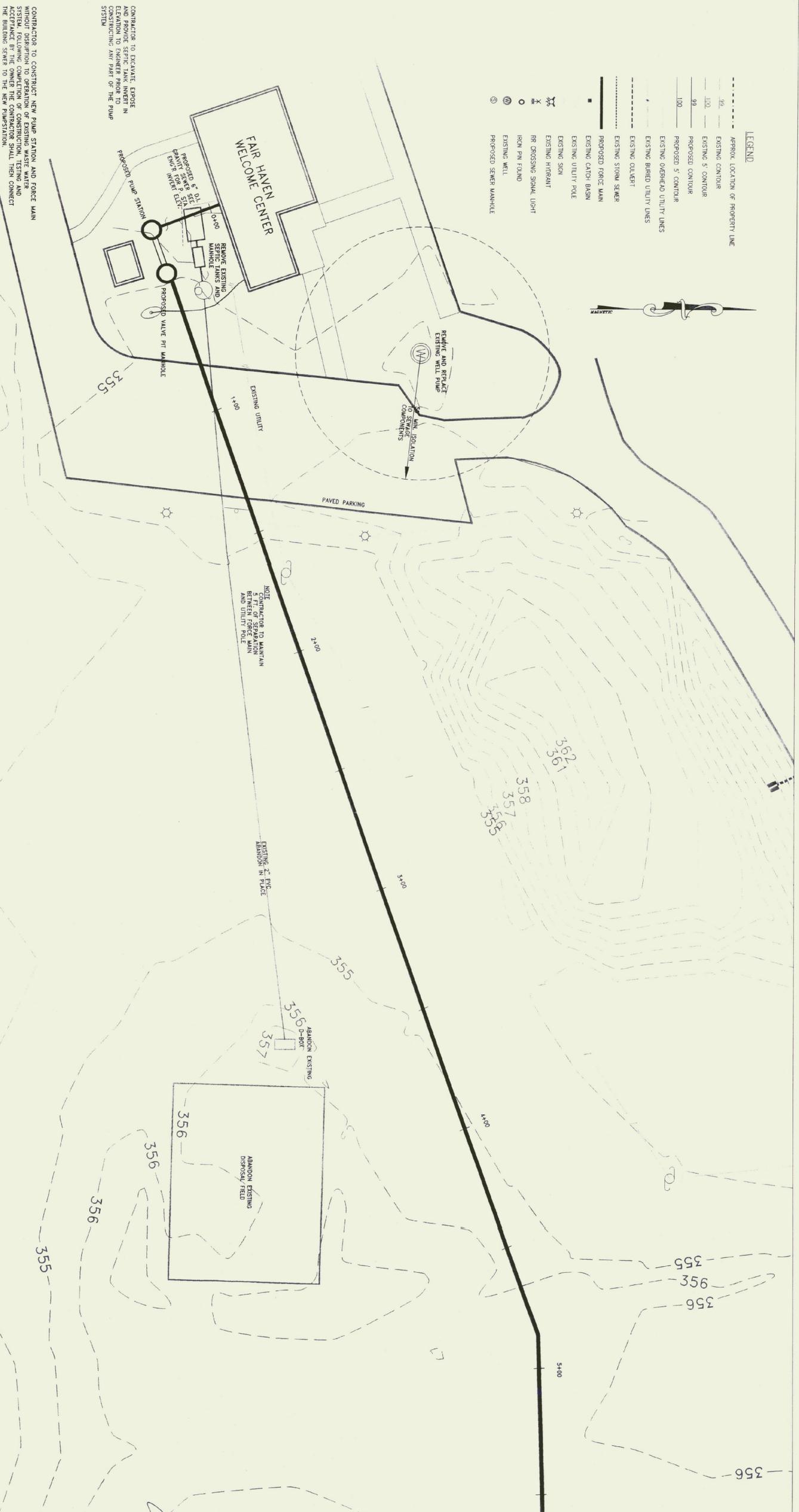
CIVIL ENGINEER

ENMAN ENGINEERING, P.C.
230 NORTH MAIN STREET
RUTLAND, VERMONT 05701
(802) 775-3437



LEGEND

- - - - - APPROX. LOCATION OF PROPERTY LINE
- 96 --- EXISTING CONTOUR
- 1100 --- EXISTING 5' CONTOUR
- 99 --- PROPOSED CONTOUR
- 1100 --- PROPOSED 5' CONTOUR
- --- EXISTING OVERHEAD UTILITY LINES
- --- EXISTING BURIED UTILITY LINES
- --- EXISTING COLLECT
- --- EXISTING STORM SEWER
- --- PROPOSED FORCE MAIN
- --- EXISTING CATCH BASIN
- --- EXISTING UTILITY POLE
- --- EXISTING SIGN
- --- EXISTING HYDRANT
- --- RR CROSSING SIGNAL LIGHT
- --- IRON PIN FOUND
- --- EXISTING WELL
- --- PROPOSED SEWER MANHOLE



CONTRACTOR TO EXCAVATE, EXPOSE AND PROVIDE SEPTIC TANK INVERT IN EXISTING SEWER MAIN AND PROVIDE CONSTRUCTION AND PART OF THE PUMP SYSTEM.

CONTRACTOR TO CONSTRUCT NEW PUMP STATION AND FORCE MAIN WITHOUT DISRUPTION TO OPERATION OF EXISTING WASTE WATER SYSTEM. FOLLOWING COMPLETION OF CONSTRUCTION, TESTING AND ACCEPTANCE BY THE OWNER THE CONTRACTOR SHALL THEN CONNECT THE BUILDING SEWER TO THE NEW TREATMENT.

REMOVE EXISTING SEPTIC TANKS AND MANHOLE

REMOVE AND REPAIR EXISTING WELL PUMP

REMOVE EXISTING UTILITY

REMOVE EXISTING SEPTIC TANKS AND MANHOLE

REMOVE EXISTING UTILITY

REMOVE EXISTING SEPTIC TANKS AND MANHOLE

NOTE: CONTRACTOR TO MAINTAIN 5 FT. OF SEPARATION BETWEEN FORCE MAIN AND UTILITY TUBE

EXISTING 2" PIPE ABANDON IN PLACE

ABANDON EXISTING DISPOSAL FIELD

ABANDON EXISTING DISPOSAL FIELD



REVISIONS:

3/11/99	RELEASED TO TOWN OF FAIR HAVEN FOR REVIEW
6/15/99	REPORT FOR FORCE MAIN MISC. NOTE EDITS
7/02/99	ADD CLARIFY LOCATIONS MISC. PLAN EDITS
8/20/99	MISC. NOTE EDITS

RELEASED: AUGUST 1999
 ISSUED FOR CONSTRUCTION

FAIR HAVEN, VERMONT
 WELCOME CENTER

Enman Engineering
 Environmental • Civil • Sanitary
 230 North Main Street
 Rutland, Vermont 05701
 (802)775-3437
 April 1998



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 REGULATORY APPROVAL STAMP

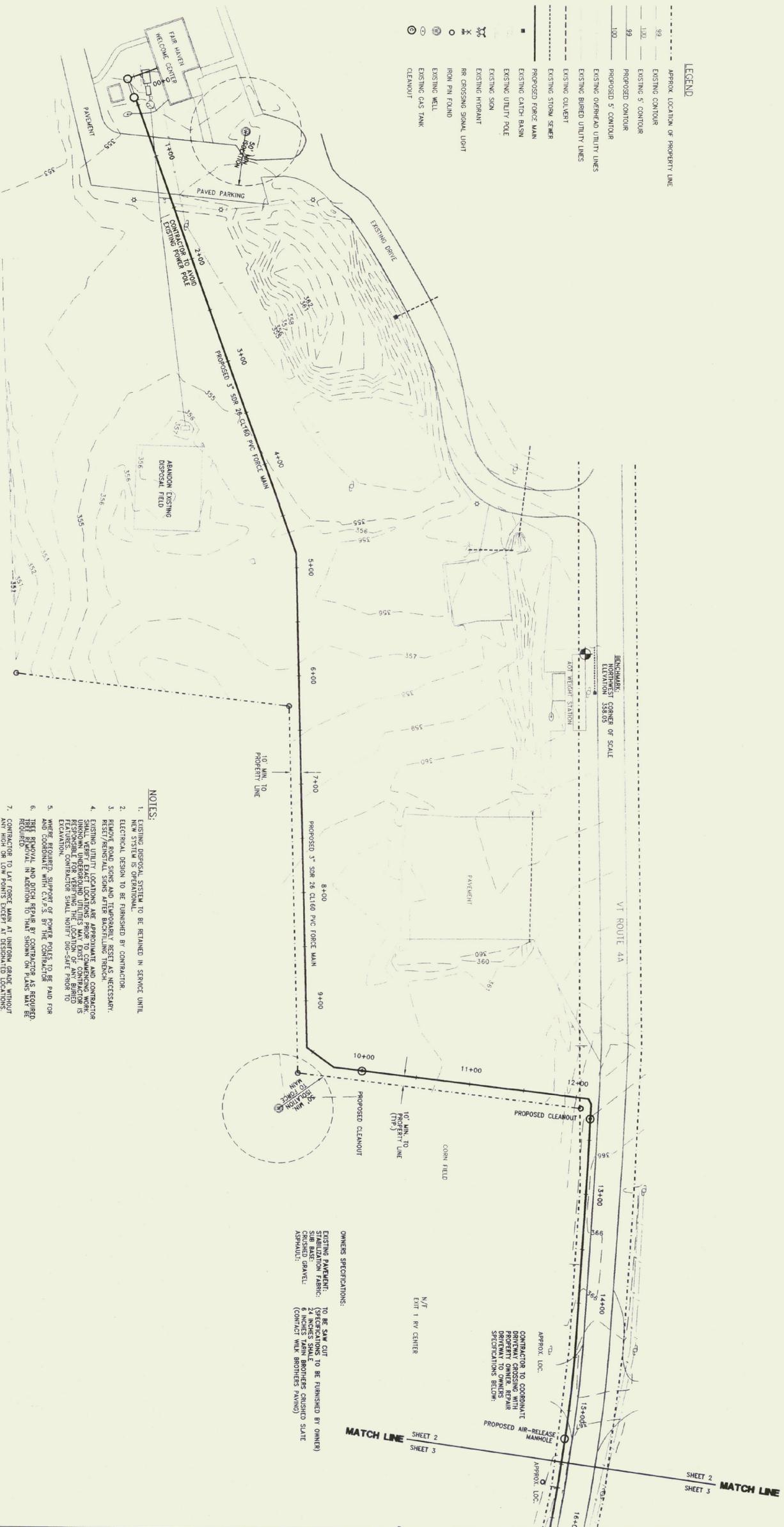
WELCOME CENTER
 SITE PLAN

SCALE: AS NOTED
 DATE: 02/24/99
 DESIGN BY: BUE/TNT
 DRAWN BY: JBT/JPL
 SHEET NO: 1 OF 9
 PROJECT NO: 9816

Upon completion of construction, and prior to building occupancy and the engineer issuing his final construction report, the contractor responsible for construction supervision and management shall certify in accordance with the approved plans and conditions. Any deviations from the plans must be noted on a set of as-builts and furnished with the certification.



- LEGEND**
- APPROX. LOCATION OF PROPERTY LINE
 - - - - - EXISTING CONTOUR
 - — — — — EXISTING 5' CONTOUR
 - — — — — PROPOSED CONTOUR
 - — — — — PROPOSED 5' CONTOUR
 - — — — — EXISTING OVERHEAD UTILITY LINES
 - — — — — EXISTING BURIED UTILITY LINES
 - — — — — EXISTING OULVERT
 - — — — — EXISTING STORM SEWER
 - — — — — PROPOSED FORCE MAIN
 - — — — — EXISTING CATCH BASIN
 - — — — — EXISTING UTILITY POLE
 - — — — — EXISTING SIGN
 - — — — — EXISTING HYDRANT
 - — — — — RR CROSSING SIGNAL LIGHT
 - — — — — IRON PIN FOUND
 - — — — — EXISTING WELL
 - — — — — EXISTING GAS TANK
 - — — — — CLEANOUT



- NOTES:**
1. EXISTING DISPOSAL SYSTEM TO BE RETAINED IN SERVICE UNTIL NEW SYSTEM IS OPERATIONAL.
 2. ELECTRICAL DESIGN TO BE FURNISHED BY CONTRACTOR.
 3. REMOVE ROAD SIGNS AND TEMPORARILY RESET AS NECESSARY. RESET/REINSTALL SIGNS AFTER BACKFILLING TRENCH.
 4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES. UNKNOWN UNDERGROUND UTILITIES MAY EXIST. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES PRIOR TO ANY EXCAVATION. EXISTING CONTRACTOR SHALL NOTIFY 1-800-4-A-HEAD TO EXCAVATION.
 5. WHERE REQUIRED, SUPPORT OF POWER POLES TO BE PAID FOR BY CONTRACTOR.
 6. THE REMOVAL OF ANY EXISTING UTILITY SHALL BE REQUIRED BY CONTRACTOR.
 7. CONTRACTOR TO LAY FORCE MAIN AT UNIFORM GRADE WITHOUT ANY HIGH OR LOW POINTS EXCEPT AT DESIGNATED LOCATIONS.



OWNERS SPECIFICATIONS:

EXISTING PAVEMENT: TO BE SAW CUT AND REMOVED TO 6 INCHES TYPICAL CRUSHED GRAVEL. ASPHALT: TO BE FURNISHED BY OWNERS (SPECIFICATIONS TO BE FURNISHED BY OWNERS) (CONTACT WALK BROTHERS PAVING)

CONTRACTOR TO COORDINATE WITH ALL AGENCIES AND PROPERTY OWNER, REPAIR DRIVEWAY TO OWNERS SPECIFICATIONS BELOW.

N/E EXIT 1 BY CENTER



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SEWER PLAN

STA 0+00 TO STA 15+50

SCALE: AS NOTED

DATE: 02/24/99

DESIGN BY: BJE/TNT

DRAWN BY: JBT/JPL

SHEET NO: 2 OF 9

PROJECT NO: 9816

REVISIONS:

3/11/99 RELEASED TO TOWN OF FAIR HAVEN FOR REVIEW

6/15/99 REROUTE FORCE MAIN MISC. NOTE EDITS

7/02/99 ADD CLEANOUT LOCATIONS MISC. PLAN EDITS

8/20/99 MISC. NOTE EDITS

RELEASED: AUGUST 1999

ISSUED FOR CONSTRUCTION

FAIR HAVEN
WELCOME CENTER

FAIRHAVEN VERMONT

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Environmental & Civil & Sanitary
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Rutland, VT 05701
Phone: (802) 775-3427
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- LEGEND**
- APPROX. LOCATION OF PROPERTY LINE
 - 92' EXISTING CONTOUR
 - 100' EXISTING S' CONTOUR
 - 99' PROPOSED S' CONTOUR
 - 100' PROPOSED S' CONTOUR
 - EXISTING OVERHEAD UTILITY LINES
 - EXISTING BURIED UTILITY LINES
 - EXISTING CULVERT
 - EXISTING STORM SEWER
 - PROPOSED FORCE MAIN
 - EXISTING CATCH BASIN
 - EXISTING UTILITY POLE
 - EXISTING SIGN
 - EXISTING HYDRANT
 - RR CROSSING SIGNAL LIGHT
 - EXISTING WELL
 - CLEANOUT

MATCH LINE SHEET 2 SHEET 3
 MATCH LINE SHEET 2 SHEET 3

- NOTES:**
1. PROVIDE TEMPORARY SIGNAGE IF PERMANENT SIGNS ARE ERASED. SIGNS MUST BE IN PLACE AT ALL TIMES.
 2. EXISTING FORCE MAIN AND STORM SEWER LOCATIONS SHALL VERIFY EXACT LOCATION FROM PROFILES AND UNKNOWN UNDERGROUND UTILITIES MAY EXIST. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY BURIED UTILITIES.
 3. WHERE REQUIRED, CONTRACTOR WILL PROVIDE AND PAY FOR SUPPORT FOR POWER POLES. CONTRACTOR WILL COORDINATE WITH UTILITIES FOR SPECIAL DETAILS.
 4. TREE REMOVAL AND DITCH REPAIR BY CONTRACTOR AS REQUIRED. CONTRACTOR TO PROVIDE AND PAY FOR ALL NECESSARY PERMITS IN ADDITION TO MAIN SIGNS ON PANS MAY BE REQUIRED.
 5. CONTRACTOR TO LAY FORCE MAIN AT UNIFORM GRADE WITHOUT ANY HIGH OR LOW POINTS EXCEPT AT DESIGNATED LOCATIONS.
 6. CONTRACTOR WILL COMPLY WITH CONTRACTOR REQUIREMENTS FOR ALL UTILITIES. CONTRACTOR SHALL PROVIDE SUPPORTS AS OUTLINED IN VERMONT A.S.D. STANDARD SPECIFICATIONS FOR CONSTRUCTION.

DETERIORATED CULVERT HEADWALL 3FT BELOW ROAD DAMAGE TO AVOID HEAD WALL

PROPOSED CLEANOUT

THIS REGIONAL TO BE INCLUDED IN 80

RESIDENCE WITH WELL AND SEPTIC

RESIDENCE WITH WELL AND SEPTIC

OPEN CUT ACROSS SWAMP ROAD TO MAINTAIN TRAFFIC FLOW

PROPOSED CLEANOUT

RESIDENCE WITH WELL AND SEPTIC

MATCH LINE SHEET 3 SHEET 4A



Upon completion of construction, and prior to building occupancy and the engineer issuing his final construction report, the contractor responsible for construction supervision and management shall certify in writing that all systems were installed in accordance with approved plans and conditions. Any deviations and omissions must be noted on a set of as-builts and furnished with the certification.

REVISIONS:

- 9/11/99 RELEASED TO TOWN OF FAIR HAVEN FOR REVIEW
- 6/15/99 REBORFITE FORCE MAIN MISC. NOTE EDITS
- 7/02/99 ADD CLEANOUT LOCATIONS MISC. PLAN EDITS
- 8/20/99 MISC. NOTE EDITS

RELEASED: AUGUST 1999

ISSUED FOR CONSTRUCTION

FAIR HAVEN
 WELCOME CENTER

FAIRHAVEN, VERMONT

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SEWER PLAN

STA 15+50 TO STA 29+50

SCALE: AS NOTED

DATE: 02/24/99

DESIGN BY: BJE/TNT

DRAWN BY: JBT/JPL

SHEET NO: 3 OF 9

PROJECT NO: 9816

REVISIONS:

3/11/98
 PREPARED BY TOWN OF FAIR HAVEN
 FOR REVIEW
 6/15/99
 REROUTE FORCE MAIN MISC. NOTE
 EDITS
 6/28/99
 ADD CLEANOUT LOCATIONS
 8/20/99
 MISC. NOTE EDITS

RELEASED: AUGUST 1999

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SEWER PLAN

STA 29+50 TO STA 49+31

SCALE: AS NOTED

DATE: 02/24/99

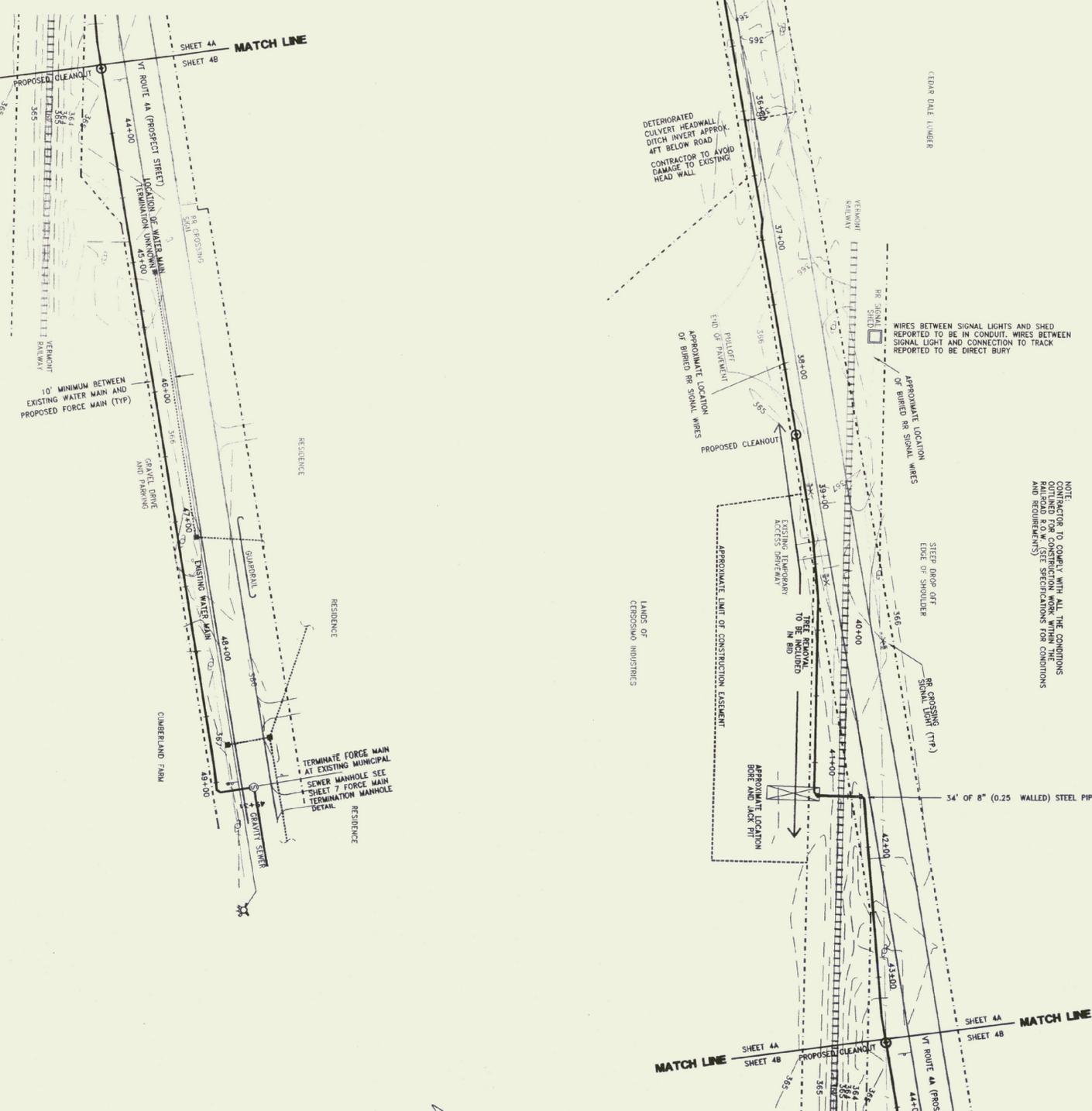
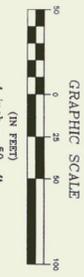
DESIGN BY: BJE/TNT

DRAWN BY: JBT/JPL

SHEET NO: 4 OF 9

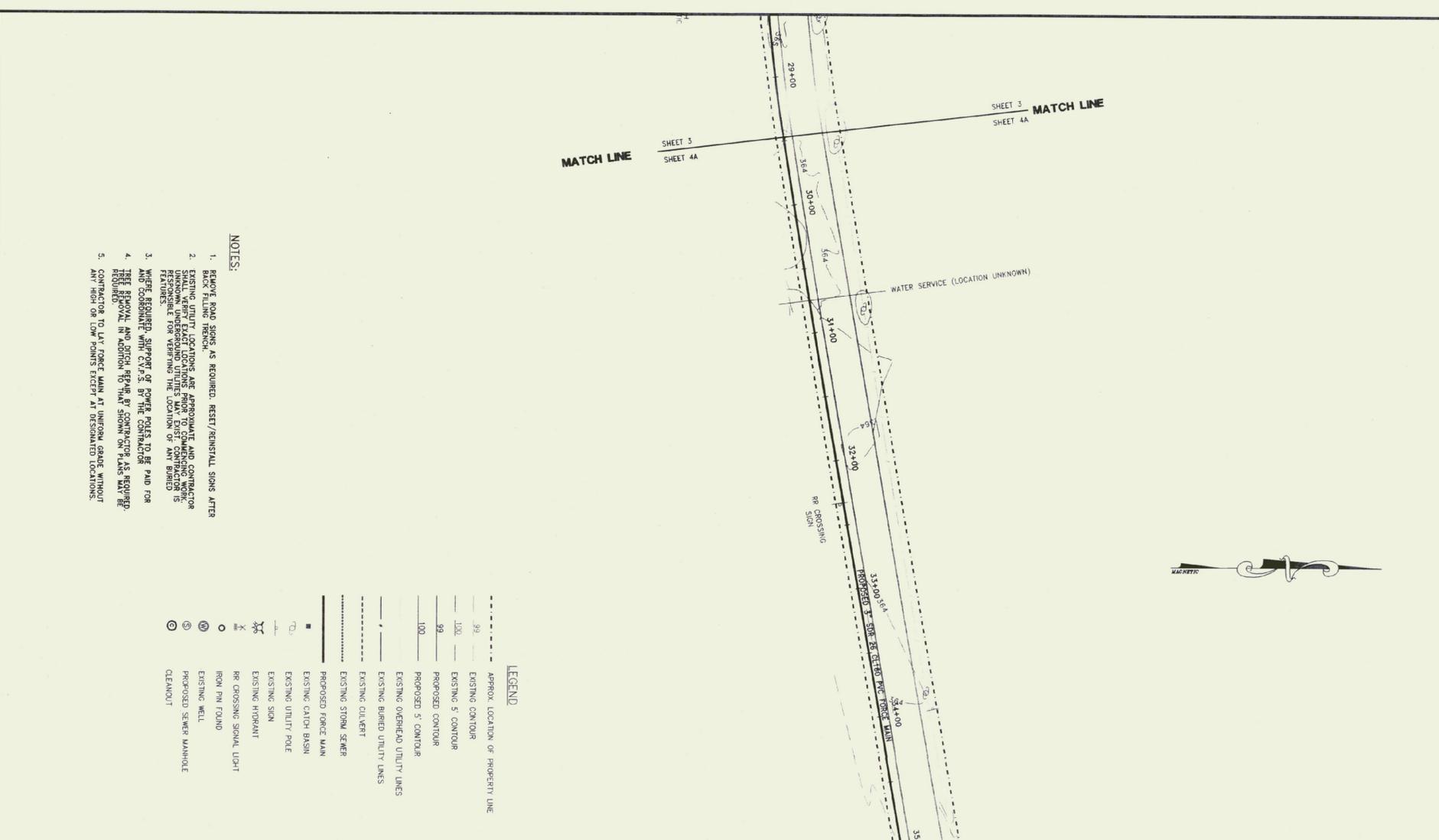
PROJECT NO: 9816

Upon completion of construction, and prior to building the sewer, the contractor shall be responsible for preparing and submitting to the town a final construction report. The contractor responsible for construction shall certify that all systems were installed in accordance with the approved plans and conditions. Any deviations from the plans must be noted on a set of as-builts and furnished with the certification.



- LEGEND**
- APPROX. LOCATION OF PROPERTY LINE
 - - - - - EXISTING CONTOUR
 - EXISTING 5' CONTOUR
 - - - - - PROPOSED CONTOUR
 - PROPOSED 5' CONTOUR
 - EXISTING OVERHEAD UTILITY LINES
 - EXISTING BURIED UTILITY LINES
 - EXISTING CLEANOUT
 - EXISTING STORM SEWER
 - PROPOSED FORCE MAIN
 - EXISTING CATCH BASIN
 - EXISTING UTILITY POLE
 - EXISTING SIGN
 - EXISTING HYDRANT
 - RR CROSSING SIGNAL LIGHT
 - IRON PIN FOUND
 - EXISTING WELL
 - PROPOSED SEWER MANHOLE CLEANOUT

- NOTES:**
1. REMOVE ROAD SIGNS AS REQUIRED. RESET/REINSTALL SIGNS AFTER BACK FILLING TRENCH.
 2. EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS. CONTRACTOR SHALL VERIFY UNKNOWN UNDERGROUND UTILITIES MAY EXIST. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY BURIED FEATURES.
 3. WHERE REQUIRED, SUPPORT OF POWER POLES TO BE AND FOR AND COORDINATE WITH C.P.S. BY THE CONTRACTOR.
 4. TREE REMOVAL AND DITCH REPAIR BY CONTRACTOR AS REQUIRED. REMOVE ALL DITCHES TO BE REPAIRED.
 5. CONTRACTOR TO LAY FORCE MAIN AT UNIFORM GRADE WITHOUT ANY HIGH OR LOW POINTS EXCEPT AT DESIGNATED LOCATIONS.



MATCH LINE SHEET 3 SHEET 4A
 MATCH LINE SHEET 3 SHEET 4A

REVISIONS:

- 3/11/99 ADD THURST BLOCK DETAIL, RELEASED TO TOWN OF FAIR HAVEN FOR REVIEW
- 6/15/99 REROUTE FORCE MAIN MISC. NOTE EDITS
- 7/02/99 ADD CLEANOUT LOCATIONS MISC. PLAN EDITS
- 8/20/99 MISC. NOTE EDITS

RELEASED: AUGUST 1999

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SEWER
PROFILES

SCALE: AS NOTED

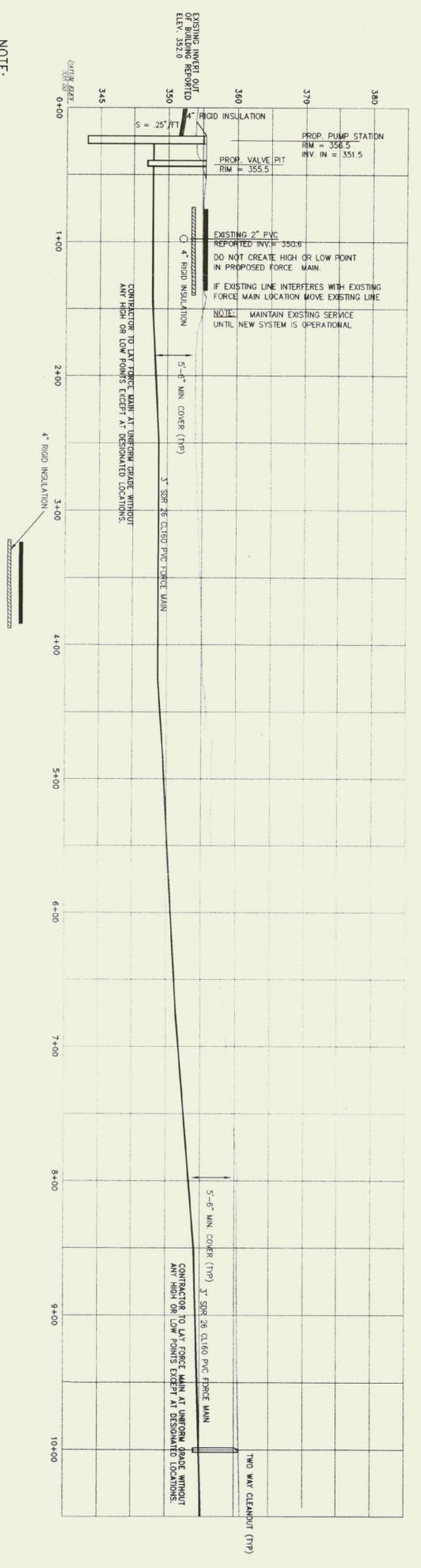
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DESIGN BY: BJE/TNT

DRAWN BY: JBT/JPL

SHEET NO: 5 OF 9

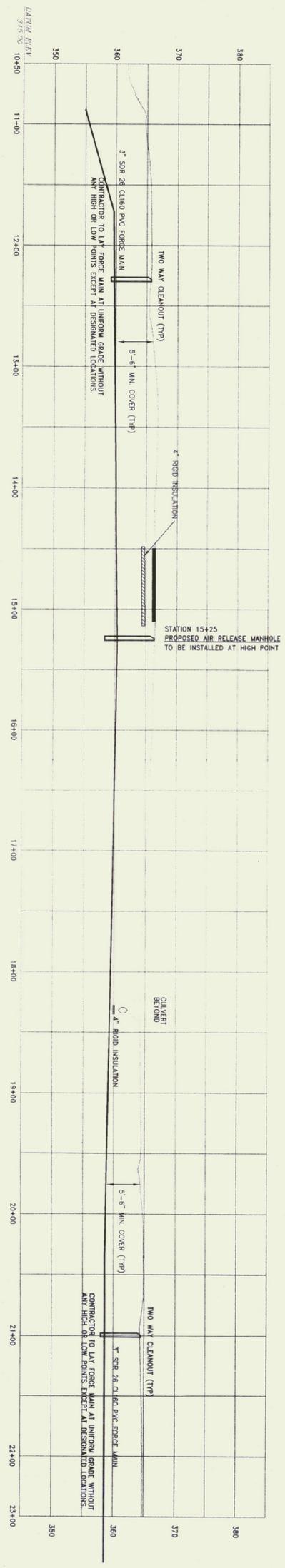
PROJECT NO: 9816



NOTE:
CONTRACTOR TO EXCAVATE AND VERIFY LOCATION AND ELEVATION OF INVERT OUT OF BUILDING BEFORE INSTALLATION COMMENCES

SEWER PROFILE

SCALE: VERTICAL 1"=10'
HORIZONTAL 1"=50'



SEWER PROFILE

SCALE: VERTICAL 1"=10'
HORIZONTAL 1"=50'

REVISIONS:

3/11/99
ADD THIRIST BLOCK DETAIL
RELEASED TO TOWN OF FAIR HAVEN
FOR REVIEW
6/15/99
REROUTE FORCE MAIN MISC. NOTE
EDITS
7/02/99
REROUTE LOCATIONS
MISC. PLAN EDITS
8/20/99
MISC. NOTE EDITS

RELEASED: AUGUST 1999

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WELCOME CENTER

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SEWER
PROFILES

SCALE: AS NOTED

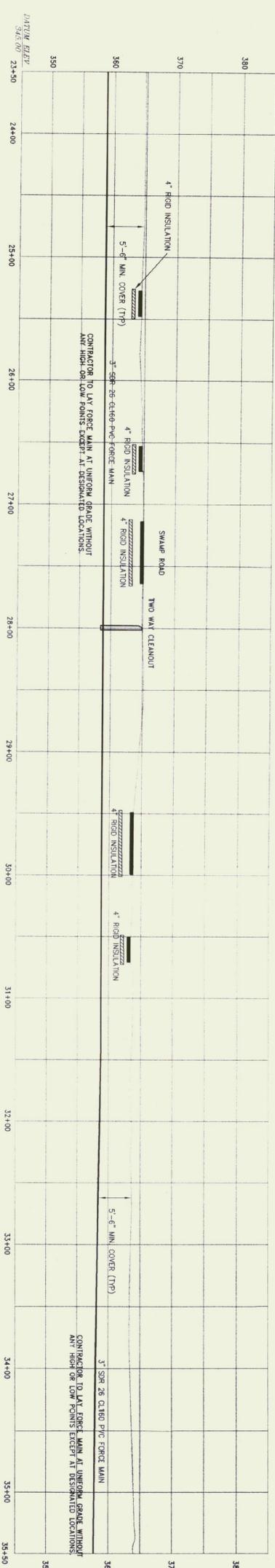
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DESIGN BY: BJE/TNT

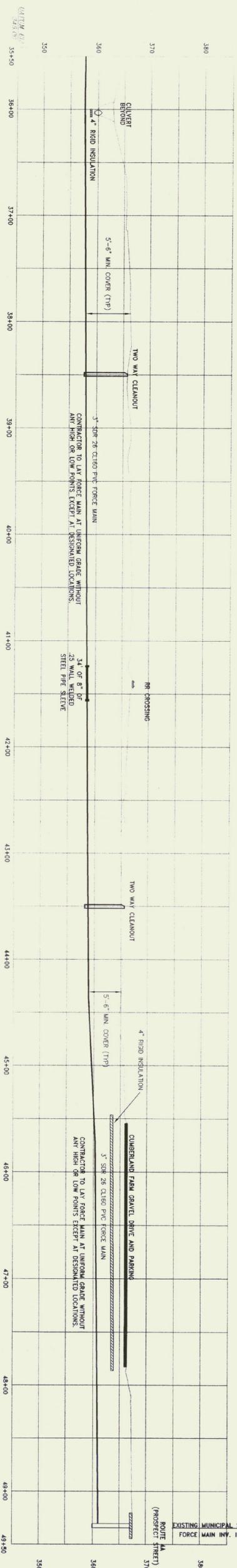
DRAWN BY: JBT/JPL

SHEET NO: 6 OF 9

PROJECT NO: 9816

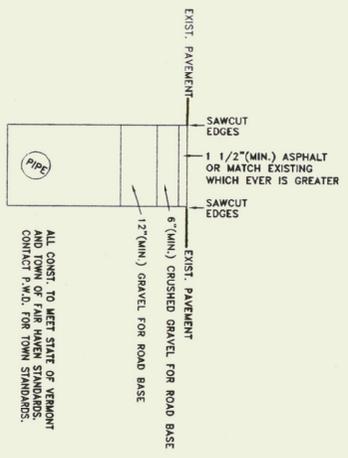


SEWER PROFILE
SCALE: VERTICAL 1"=10'
HORIZONTAL 1"=50'

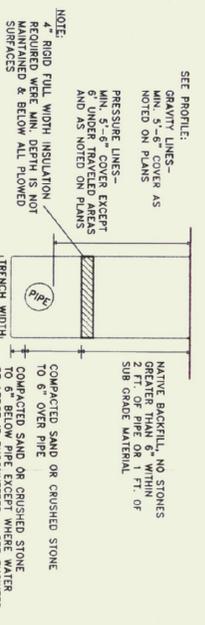


NOTE:
CONTRACTOR TO INSTALL RAIL ROAD CROSSING WITHOUT
CREATING A HIGH POINT IN FORCE MAIN

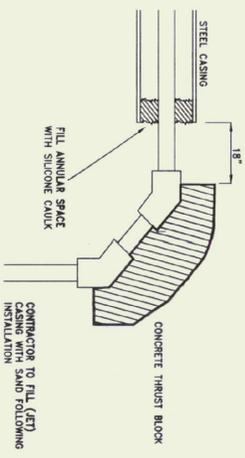
SEWER PROFILE
SCALE: VERTICAL 1"=10'
HORIZONTAL 1"=50'



PAVEMENT REPAIR
NTS



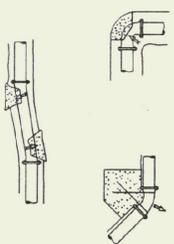
TYPICAL TRENCH DETAIL
NTS



SLEEVE TERMINATION DETAIL
NTS

ESTIMATED BEARING LOADS
lbs / sq ft

SOIL	1500
SILT	3000
SANDY SILT	4000
SAND	4000

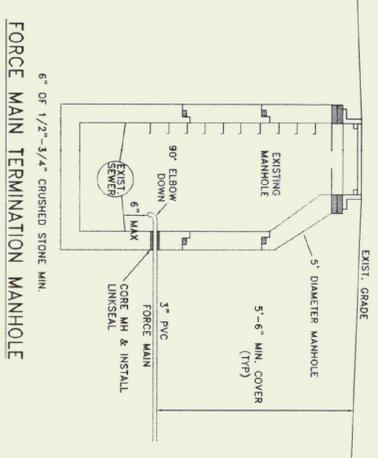


MAX. THRUST GENERATED (lbs.)
45° BEND 1940
3 IN 1940

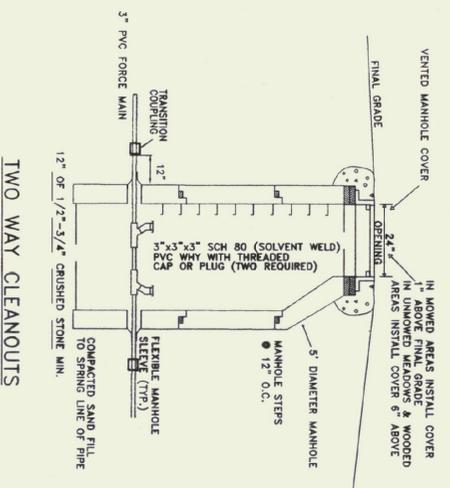
MAX. DESIGN WATER PRESSURE =
WATER TEST PRESSURE =

- THRUST BLOCK BEARING AREAS (sq. ft.)
1. CONCRETE SHALL BE PRODUCED TO ENGINEER'S SATISFACTION BEFORE INSTALLATION.
 2. SLUMP SHALL BE BETWEEN 1 CUBIC YARD.
 3. AGGREGATES SHALL CONFORM TO ASTM C33.
 4. MINIMUM STRENGTH SHALL BE 4000 PSI.
 5. NO CALCIUM CHLORIDE SHALL BE USED IN THE CONCRETE.

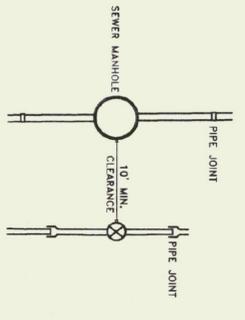
THRUST BLOCK LOCATION
NTS



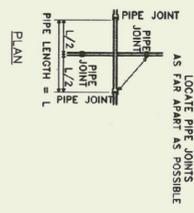
FORCE MAIN TERMINATION MANHOLE
NTS



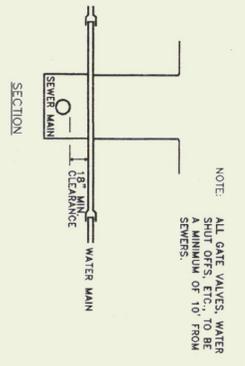
TWO WAY CLEANOUTS
NTS



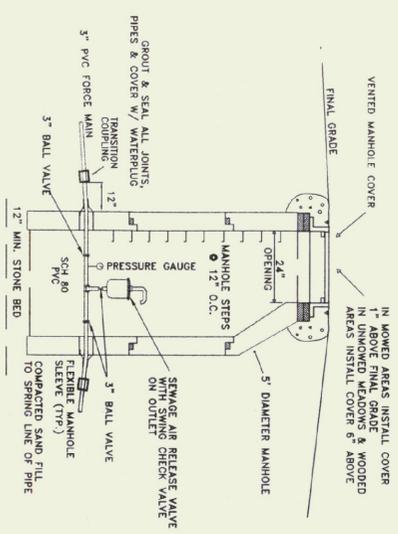
PARALLEL WATER AND SEWER MAIN INSTALLATION
NTS



WATER AND SEWER MAIN CROSSINGS
NTS



NOTE: ALL GATE VALVES, WATER SHUT OFFS, ETC., TO BE A MINIMUM OF 10' FROM SEWER.



AIR RELEASE VALVE IN 5" DIA. MANHOLE
NTS

REVISIONS:

- 3/11/99 ADD THRUST BLOCK DETAIL, RELEASED TO TOWN OF FAIR HAVEN FOR REVIEW
- 6/15/99 REROUTE FORCE MAIN MISC. NOTE EDITS
- 7/02/99
- 8/20/99 MISC. NOTE EDITS

RELEASED: AUGUST 1999

ISSUED FOR CONSTRUCTION

FAIR HAVEN
WELCOME CENTER

FAIRHAVEN, VERMONT

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REGULATORY APPROVAL STAMP

MISCELLANEOUS
SEWER
DETAILS

SCALE: AS NOTED

DATE: 02/24/99

DESIGN BY: BJE/TNT

DRAWN BY: JBT/JPL

SHEET NO: 7 OF 9

PROJECT NO: 9816

REVISIONS:

3/11/99
ADD THURST BLOCK DETAIL
REVISION TO TOWN OF FAIR HAVEN
FOR REVIEW
6/15/99
REROUTE FORCE MAIN MISC. NOTE
EDITS
7/02/99
ADD CLEANOUT LOCATIONS
MISC. PLAN EDITS
8/20/99
MISC. NOTE EDITS

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MISCELLANEOUS
SEWER
DETAILS

SCALE: AS NOTED

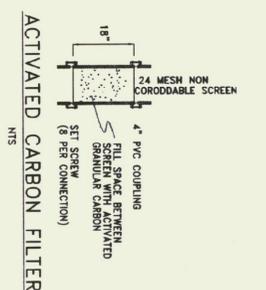
DATE: 02/24/99

DESIGN BY: BJE/TNT

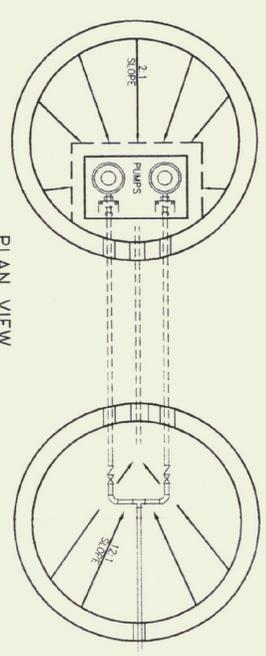
DRAWN BY: JBT/JPL

SHEET NO: 8 OF 9

PROJECT NO: 9816

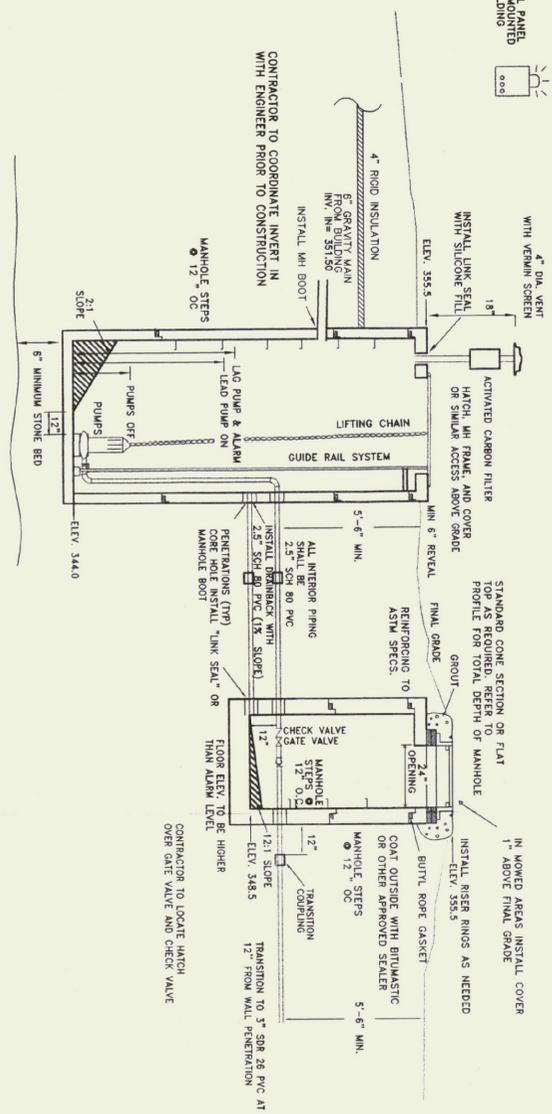


ACTIVATED CARBON FILTER



PLAN VIEW

ELECTRICAL DESIGN TO BE PROVIDED BY A LICENSED PROFESSIONAL
WATERPROOF CONTROL PANEL WITH EXTERNAL ALARM LIGHT
AND BELL SHALL BE MOUNTED ON BUILDING OR POST (3" GALV. STEEL OR 4x4 PRESSURE TREATED) ADJACENT TO
PUMP HOUSE. THE CONTROL PANEL SHALL BE PROVIDED ON THE EXTERIOR OF THE BUILDING. THE LIGHT SHALL
REMAIN OFF UNTIL ALARM SITUATION IS RECEIVED.
HAND-OFF-AUTO SWITCHES AND ELASSED (FEET METERS)
LEVEL CONTROLS SHALL BE PROVIDED. ALL ELASSED LEVEL CONTROLS SHALL BE ENCAPSULATED MERCURY FLOAT SWITCHES.



EFFLUENT PUMP STATION
X-SECTION

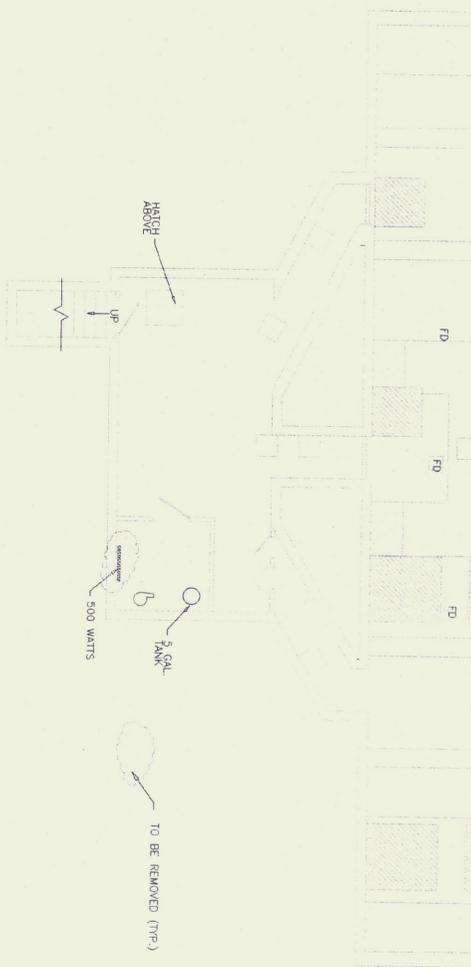
1. PUMPS OFF @ 18"
2. LEAD PUMP ON @ 41"
3. ON @ 54" & Alarm

PUMP STATION SHALL BE WATERTIGHT
AND LAID LEVEL. USE BUTYL ROPE
GASKET AND FLEXIBLE SLEEVE
AT ALL PIPE PENETRATIONS.

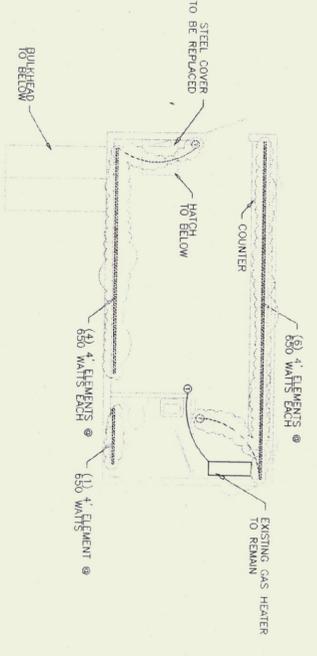
IF TANK BY ANOTHER MFR. IS PROPOSED
SEE ENGR FOR REVISION ON/OFF LEVELS
CONTRACTOR TO INSTALL CHARCOAL
FILTER TO PUMP STATION VENT.

BASIS OF DESIGN

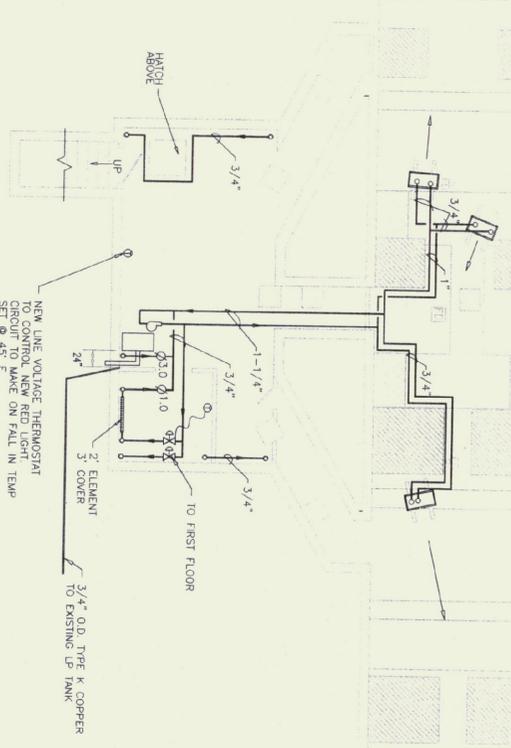
1. GPD	AVG 900
2. DOSE	400 GAL.
3. SIZE OF PUMPS	5 HP 77 GPM
4. RUN TIME	5 MIN. ±



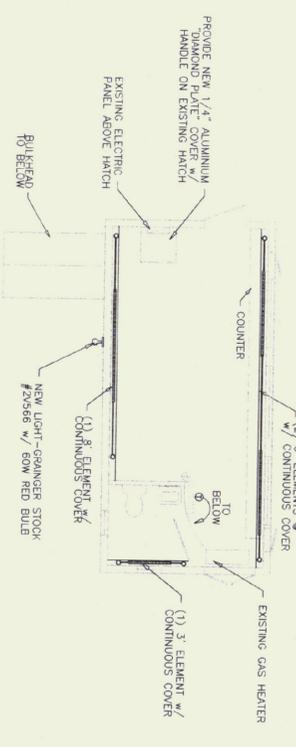
DEMO TRENCH PLAN
3/16" = 1'-0"



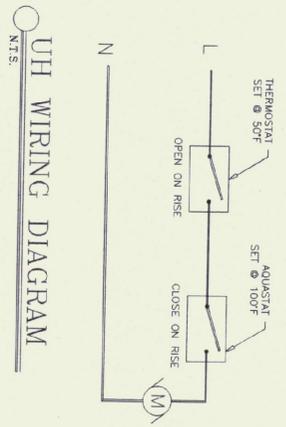
DEMO SCALE HOUSE PLAN
3/16" = 1'-0"



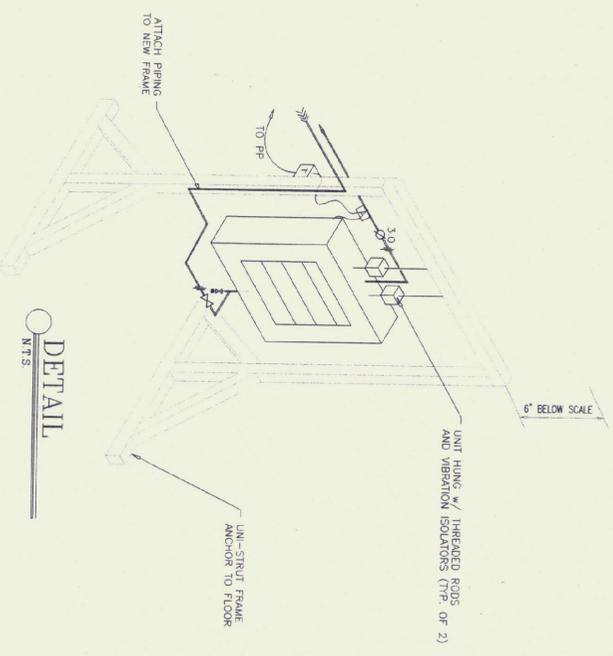
NEW TRENCH PLAN
3/16" = 1'-0"



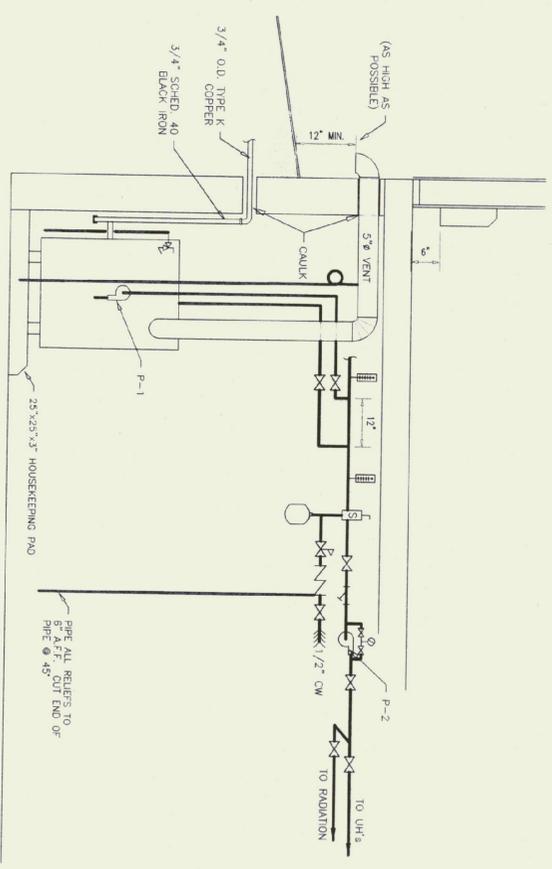
NEW SCALE HOUSE PLAN
3/16" = 1'-0"



UH WIRING DIAGRAM
N.T.S.



DETAIL
N.T.S.



DETAIL
N.T.S.

LEGEND

- ⊗ BALL VALVE
- ⊗ BALL VALVE w/HOSE THREADS & BRASS CAP
- ⊗ UNION
- ⊗ MANUAL AIR VENT
- ⊗ SPRINGER & BALL VALVE BLOW DOWN
- ⊗ PRESSURE REDUCING VALVE
- ⊗ THERMOSTATICALLY CONTROLLED VALVE
- ⊗ PRESSURE RELIEF VALVE, PNE TO 6" A.F.F.
- ⊗ WATTS 90, PIPE DOWN TO 6" A.F.F.
- ⊗ CIRCULATOR, TAO 007
- ⊗ THERMOSTAT, WOODM Ⓟ 54" A.F.F.
- ⊗ THERMOMETER
- ⊗ FIN TUBE RADIATION, X - STIFF
- ⊗ Y - LENGTH OF ACTIVE FINNED ELEMENT
- ⊗ PUMP
- ⊗ PRESSURE GAUGE
- ⊗ SPRINGKIT JR.
- ⊗ TOUR ANDERSON STA.

BOILER

MAKE/MODEL	INPUT AKA	OUTPUT AKA	WATER CONTENT	REMARKS
WEL-MEDIAN/03-5	133,000	97	27	WHI SYSTEM 2 CONTROLLER

CIRCULATOR

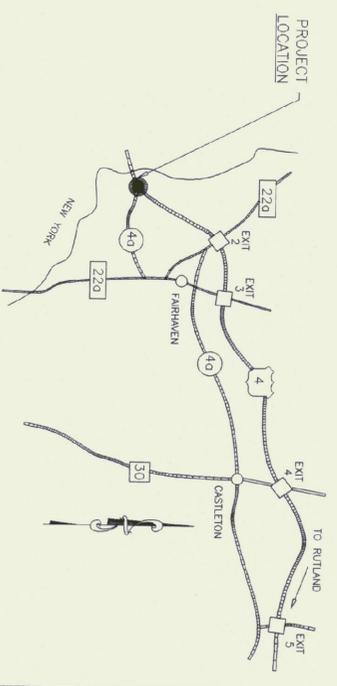
ITEM	MAKE/MODEL	VOLTS	PHS	HP	GPM	HEAD	REMARKS
P-1	1400/007	115V	1	1/25	8	8 FT.	PRODUCED WITH BOILER
P-2	1402/0011	115V	1	1/9	13	20 FT.	

RADIATION

MAKE/MODEL	FIN SIZE	BTU/CF	AMT	FLOW	REMARKS
VULCAN / DS	3/4" C - 2-3/4" x 4-1/4"	48	1080	170	4 GPM

UNIT HEATERS

MAKE/MODEL	BTU	GPM	AMT	VOLTS	PHS	HP	REMARKS
VULCAN / MA36	25,100	3	190	120	1	1/47	



LOCATION MAP
N.T.S.