

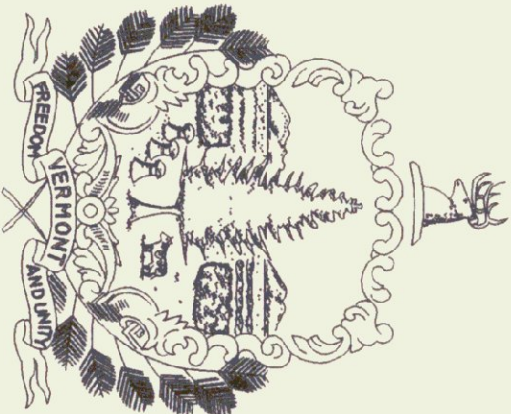
AGENCY OF ADMINISTRATION
DEPARTMENT OF STATE BUILDINGS
2 GOVERNOR AIKEN AVENUE
MONTPELIER, VERMONT 05602
JOHN J. ZAMPIERI, COMMISSIONER

State of Vermont
Agency of Transportation

ALBURG WELCOME CENTER

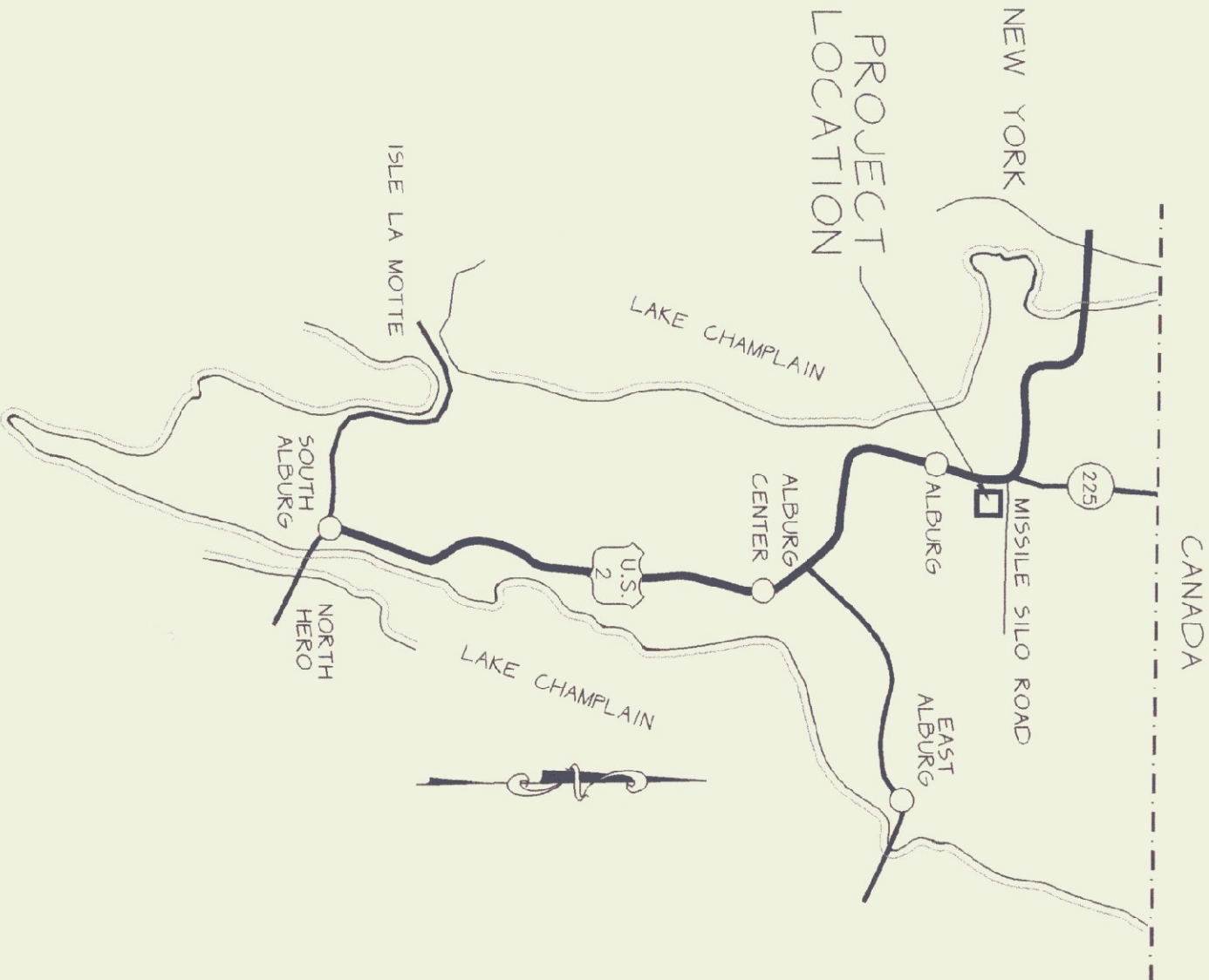
In the Town of Alburg on U.S. Route 2

Project consists of constructing a 864 s.f. pre-cut
log structure to become the Lake Champlain
Islands Welcome Center and associated site work.



Howard Dean, M.D.
Governor

AGENCY OF TRANSPORTATION
133 STATE STREET
MONTPELIER, VERMONT 05602
GLENN M. GERSHANECK, SECRETARY



PROJECT LOCATION

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A.O.T. - STANDARDS

C-1	GRANITE SLOPED EDGING, VERTICAL GRANITE CURB, PRECAST REINFORCED CONCRETE CURB, CAST IN PLACE CONCRETE CURB, BITUMINOUS CONCRETE CURB, TREATED TIMBERCURB	6-1-94R
C-3	SIDEWALK RAMPS	6-1-94R
E-191	PAVEMENT MARKING DETAILS	8-18-95R
G-1d	STEEL BEAM GUARD RAIL	6-1-94

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF CONSTRUCTION AND MAINTENANCE. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR THE CONSTRUCTION DATED 1990. AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON MARCH 15, 1990 FOR USE ON THIS PROJECT. INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

APPROVED <i>Glenn M. Gershaneck</i> DATE <i>6/1/96</i> DIRECTOR OF CONSTRUCTION & MAINTENANCE DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	APPROVED _____ DATE _____ DIVISION ADMINISTRATOR
PROJECT ALBURG NH 028-(17)S	SHEET 1 OF 21 SHEETS

QUESTIONS

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES

				QUANTITIES	UNIT	ITEMS	ITEM	ROUNDING
				GRAND TOTAL			NO.	
				1	LS	CLEARING & GRUBBING (PLUS INDIVIDUAL TREE & STUMPS)	201.10	
				1	EA	DEMOLITION & DISPOSAL OF BUILDING (WOODEN STRUCTURE)	202.10	
				1200	CY	UNCLASSIFIED EXCAVATION	203.17	EST
				1500	SY	FINE GRADING - SUBGRADE	203.40	EST
				25	CY	TRENCH EXCAVATION OF EARTH	204.20	EST
				480	CY	SUBBASE OF DENSE GRADED CRUSHED STONE (MOD.)	301.35	EST
				10	CWT	ASPHALT EMULSION	404.65	EST
				180	TON	MEDIUM DUTY BITUMINOUS CONCRETE PAVING	406.27	12
				48	LF	18" CSP (2'-2/3 X 1/2)(0.064)	601.0015	
				2	EA	18" CSPES (2'-2/3 X 1/2)(0.064)	601.6015	
				103	LF	VERTICAL GRANITE CURB	616.21	
				10	SY	PORTLAND CEMENT CONCRETE SIDEWALK - 5'	618.10	EST
				160	SY	BRICK PAVING	618.20	
				1	CY	GRANULAR BACKFILL FOR STRUCTURES (NOT A BLDG ITEM)	204.30	EST
			*	52	LF	STEEL BEAM GUARD RAIL W/TERMINAL END SECTION	621.20	
				1	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	
				140	LF	SEAMLESS COPPER WATER TUBE (2")	629.23	6
				1	LS	FIELD OFFICE - ENGINEERS	631.10	
				1	LS	TESTING EQUIPMENT - CONCRETE	631.16	
				1	LS	TESTING EQUIPMENT - BITUMINOUS	631.17	
				1	LS	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.25	
				1	LS	MOBILIZATION	635.10	
				1	LS	UTILITY SYSTEM (SEPTIC SYSTEM)	636.15	
				500	LF	4" WHITE LINE	646.20	EST
				1	EA	LETTER OR SYMBOL	646.30	
				175	SY	GEOTEXTILE FOR ROADBED SUBGRADE SEPARATOR	649.11	5
				166	SY	GEOTEXTILE FOR SILT FENCE	649.51	EST
				120	LB	SEED (URBAN MIX)	651.15	EST
				40	LB	WILDFLOWER SEED	651.16	EST
				1000	LB	FERTILIZER	651.18	EST
				4	TON	AGRICULTURAL LIMESTONE	651.20	EST
				4	TON	HAY MULCH	651.25	EST
				20	EA	HAY BALES FOR EROSION CONTROL	651.26	3
				50	CY	TOPSOIL	651.35	EST
				16	EA	EVERGREEN SHRUBS(JUNIPERUS SABINA TAMARISCIFOLIA)	656.25	
						TAM JUNIPER (18'-24"MIN CONTAINER)		
				3	EA	DECIDUOUS TREES (ACER SACCHARUM) SUGAR MAPLE (3" - 3.5" CAL., B&B)	656.30	EST
				1	LS	ROADSIDE REST FACILITY (BUILDING)	658.15	
				5	SF	TRAFFIC SIGN TYPE A	675.20	1.5
				70	LB	FLANGED CHANNEL SIGN POST 2 LB/FT	675.30	EST
				150	LF	ELECTRICAL CONDUIT (1 1/2")	678.21	8
				150	LF	WIRED CONDUIT (1 1/2")	678.23	8
				150	LF	WIRED CONDUIT (2")	678.23	8
				3	EA	LIGHT POLE (MOD.)	679.45	
				40	SF	BUSINESS INFORMATION SIGN (MOD.)(SIGN # 7)	680.25	1.8
				3	EA	AIRCRAFT TIE DOWN ANCHOR, TYPE A (MOD.)	854.07	

DETAILED SUMMARY OF QUANTITIES

[illegible]

DETAILED SUMMARY OF QUANTITIES

[illegible]

SUPPLIED BY _____ DATE _____
 DRAWN BY _____ DATE _____
 SQUAD LEADER _____
 DESIGN FILE NO. _____
 IPARM _____ DATE _____
 FILE _____
 PROD. NAME ALBURG WELCOME CENTER
 PROD. NO. NH 028-1(17)S
 SHEET 2 OF 21 SHEETS

Revised 7/25/96 PLD

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS AND LOCATIONS OF ALL STRUCTURES AND UTILITIES TO BE INSTALLED AND CHECKED FOR CONFORMITY WITH DRAWINGS. ADVISE OWNER AND A/E OF ANY DISCREPANCIES IMMEDIATELY.
2. DRAINAGE OF UNDERLAYS, PIT LAY SUBBASE AND BASE COURSE MATERIALS SIMILAR TO THE FINISHED SURFACE SHALL BE PROVIDED FOR ALL PAVEMENT COURSES WILL NOT BE ACCEPTABLE. ALL WALKS AND PAVERS SHALL PITCH TO AVOID STANDING WATER.
3. ALL EXTERIOR AND INTERIOR SURFACES SHALL RECEIVE AT LEAST ONE COAT OF PRIMER.
4. THE CONTRACTOR SHALL COORDINATE AND PROVIDE ALL CUTTINGS, BLOCKING, REINFORCING, RECESSED SLABS, STEELERS, EMBEDDED CONDUIT ETC. TO THE OWNER TO INSTALL THE WORK AND EQUIPMENT SHOWN.
5. PROVIDE ALL FRANCHES AND STEWWORK REQUIRED FOR MECHANICAL/ELECTRICAL/PLUMBING WORK, INCLUDING SLOTTED, AND FINAL GRADING PER SPECIFICATIONS.

1. FOLLOW V-TWO GUIDELINES FOR EROSION AND SEDIMENT CONTROL. FOR ALL PHASES OF DEMOLITION, SITE PREPARATION AND CONSTRUCTION.
2. THE TOPSOIL SHALL BE REMOVED FROM THE AREAS TO BE GRADED AND STOCKPILED. STAKED HAY BALES OR A SILT FENCE SHALL BE PLACED AROUND THE STOCKPILE TO PREVENT THE FINE MATERIAL FROM THE STOCKPILE FROM FLEEING THE STOCKPILE. THE FINE MATERIAL SHALL BE KEPT OUT OF THE STOCKPILE.
3. ALL DISTURBED AREAS SHALL HAVE A SILT FENCE TO CONTROL SEDIMENTATION INCLUDING STAKED HAY BALES WHERE REQUIRED.
4. PROVIDE STAKED HAY BALES AND FILTER FABRIC AT ALL AFFECTED STORM DRAIN INLETS.
5. ALL TEMPORARY EROSION CONTROL FACILITIES SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR.
6. ALL EROSION CONTROL FACILITIES SHALL BE PROMPTLY INSPECTED AND REPAIRED AFTER EACH HEAVY RAINFALL.
7. WORK AREA SHALL BE A MINIMUM BY STRIPPING ONLY THOSE AREAS THAT WILL BE WORKED ON IMMEDIATELY.
8. REMOVE OR MOW VEGETATIVE COVER THAT IS NECESSARY TO GRADE THE SITE AS SHOWN ON THE PLANS.

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1. THE CONTRACTOR SHALL REMOVE ALL EXISTING ROADWAY PAVEMENT AND PAVEMENT BASE MATERIALS IN THE AREA OF THE EXISTING PAVEMENT AND PAVING TO BE REPLACED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING ROADWAY PAVEMENT AND PAVEMENT BASE MATERIALS IN THE AREA OF THE EXISTING PAVEMENT AND PAVING TO BE REPLACED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING ROADWAY PAVEMENT AND PAVEMENT BASE MATERIALS IN THE AREA OF THE EXISTING PAVEMENT AND PAVING TO BE REPLACED BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL EXISTING PAVEMENT, CONCRETE ITEMS AND STRUCTURES NECESSARY TO PERFORM THE WORK.
3. THE CONTRACTOR SHALL REPAIR ALL EXISTING LAWN OR VEGETATED AREAS THAT ARE DAMAGED BY THE REMOVAL OF THE EXISTING PAVEMENT AND PAVING TO BE REPLACED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ALL EXISTING LAWN OR VEGETATED AREAS THAT ARE DAMAGED BY THE REMOVAL OF THE EXISTING PAVEMENT AND PAVING TO BE REPLACED BY THE CONTRACTOR.
4. AT THE COMPLETION OF THE GRADING, ALL SLOPES, DITCHES, AND ALL DISTURBED AREAS SHALL BE HAND RAKE, SMOOTH AND FREE OF POCKETS, WITH SUFFICIENT SLOPE TO ENSURE DRAINAGE.
5. FINISH SLOPES, DITCHES AND DISTURBED AREAS SHALL RECEIVE A MINIMUM OF THREE INCHES OF TOPSOIL, MIX AND BE FERTILIZED, SEEDBED, LIMED, AND MULCHED. TURF ESTABLISHMENT SHALL BE PERFORMED PER VDOT SECTION 651.
6. ALL SHALL BE PLACED IN A NICH LOTS AND HORIZONTAL, COMPACTED TO 95% OR MAXIMUM DENSITY OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D698 STANDARD PROCTOR, UNLESS NOTED OTHERWISE.
7. HEALTH EXISTING TREES ON SITE NOT SCHEDULED FOR REMOVAL OR RELOCATION SHALL BE BAKED AND PROTECTED FROM DAMAGE DURING THE WORK.
8. FINISH GRADE, TOPSOIL, AND SEED ALL DISTURBED AREAS NOT DESIGNATED FOR ANOTHER MATERIAL.
9. ADJUST ALL EXISTING MANHOLES, CATCH BASINS, RNS, COVERS, VALVES AND OTHER STRUCTURES AND UTILITIES WERE ENCOUNTERED TO MEET NEW LINE AND GRADE OF FINISHED LAWN AND PAVEMENT.
10. ALL HIGHWAY AND OTHER SIGNS NOT SHOWN IN THESE DRAWINGS WILL BE PROVIDED BY THE OWNER. THE CONTRACTOR SHALL NOTIFY AND COORDINATE THE SCHEDULING OF THESE ITEMS WITH THE OWNER.
11. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS GENERATED DURING THE WORK FROM THE SITE AT THE END OF THE PROJECT.

2 STANDARD MATERIALS LEGEND

JOB SPECIFIC LEGEND

	EARTH		STEEL
	STONE, GRAVEL		SHEET METAL
	BITUMINOUS PAVING		REINFORCING - W.M.F.
	CONCRETE		REINFORCING BAR (RODS)
	PRE-CAST CONCRETE		PLASTER/LATH
	CONCRETE MASONRY UNITS		GYPSUM WALLBOARD
	BRICK		GLASS
	STONE		PLYWOOD
	SAND MORTAR		WOOD (FINISHED)
	ALUMINUM		WOOD BLOCKING (CONT.) (NO. JOINTS)
			WOOD SHIMS (NON-CONT.)
	CONCRETE		EXISTING TREE TO REMAIN
	PRECAST CONCRETE BRICK PAVERS		TREE TO BE RELOCATED
	ASPHALT		NEW OR RELOCATED TREE OR SHRUB
	FULLY PAINTED AREA		EXISTING SHRUB TO REMAIN
			EXISTING STREET LIGHT TO REMAIN
			NEW LUMINAIRE
			FLAGPOLE

JOB SPECIFIC LEGEND

2. SPECIAL MATERIALS LEGEND

1. FINISHED SURFACE LINES - CUT

2. ELEMENTS BELOW CUT LINE - HIDDEN

3. ELEMENTS ABOVE CUT LINE - DASHED

4. SPOTTING ABOVE

5. SPOTTING W/ OUTLINE

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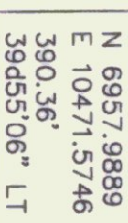
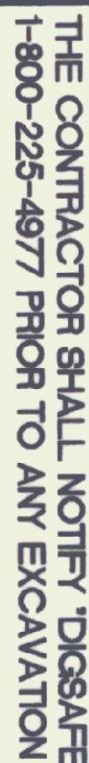
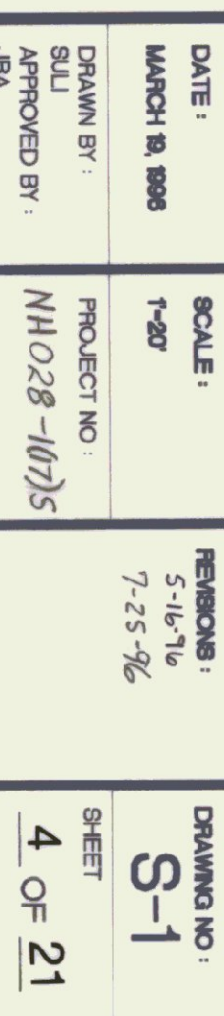
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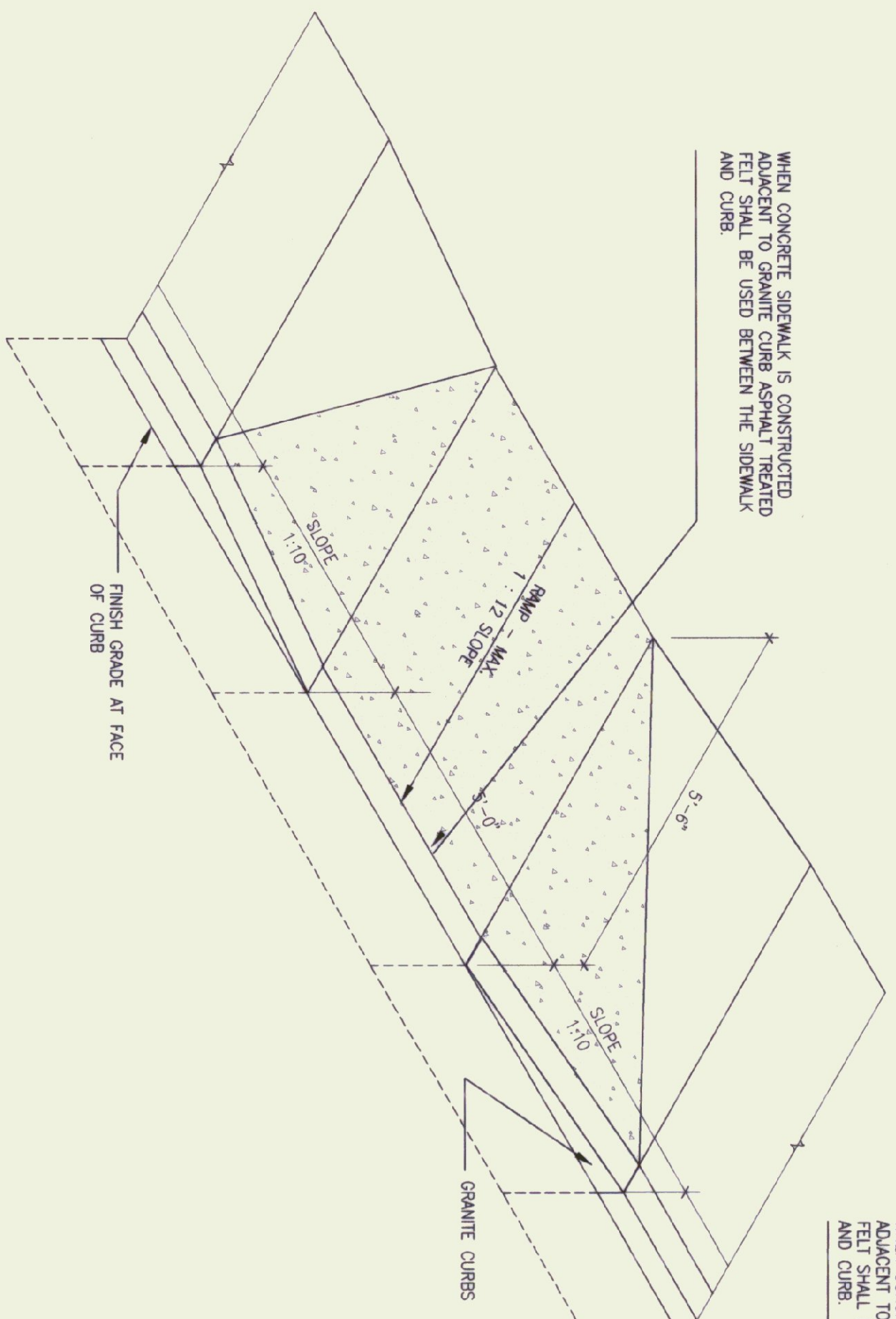
207. SPOTTING WITH DETAILS</

58 EAST STATE STREET • MONTPELIER, VERMONT • 05601



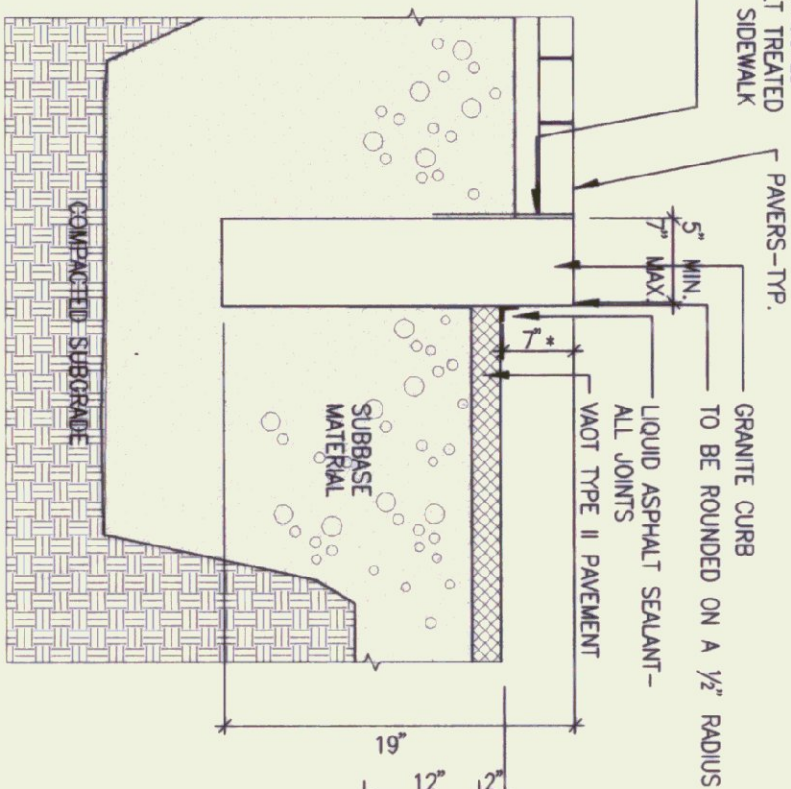


WHEN CONCRETE SIDEWALK IS CONSTRUCTED ADJACENT TO GRANITE CURB ASPHALT TREATED FILL SHALL BE USED BETWEEN THE SIDEWALK AND CURB.

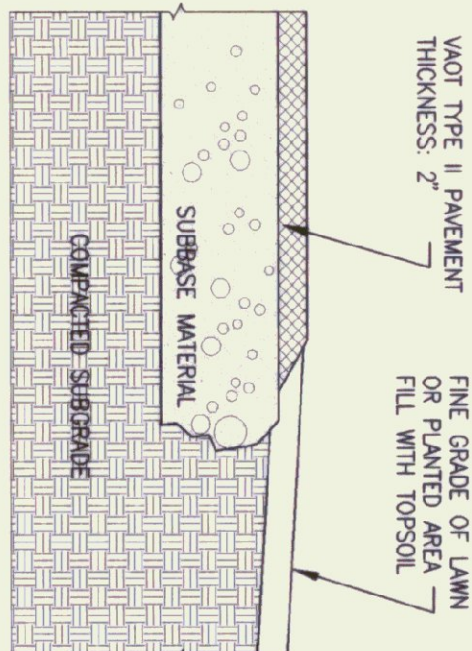


1 SITE - DROP CURB
1/2' = 1'-0"

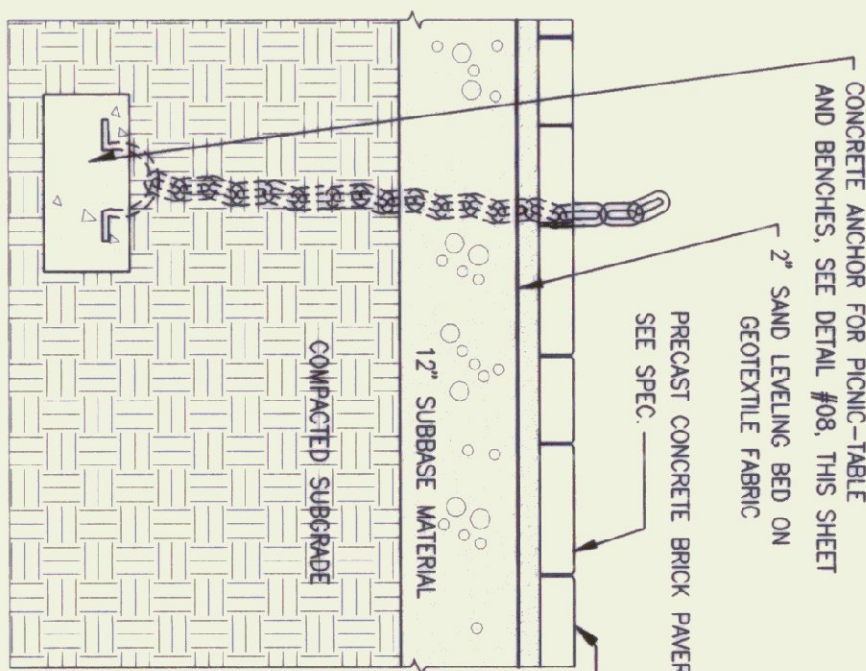
WHEN CONCRETE SIDEWALK IS CONSTRUCTED ADJACENT TO GRANITE CURB ASPHALT TREATED FILL SHALL BE USED BETWEEN THE SIDEWALK AND CURB.



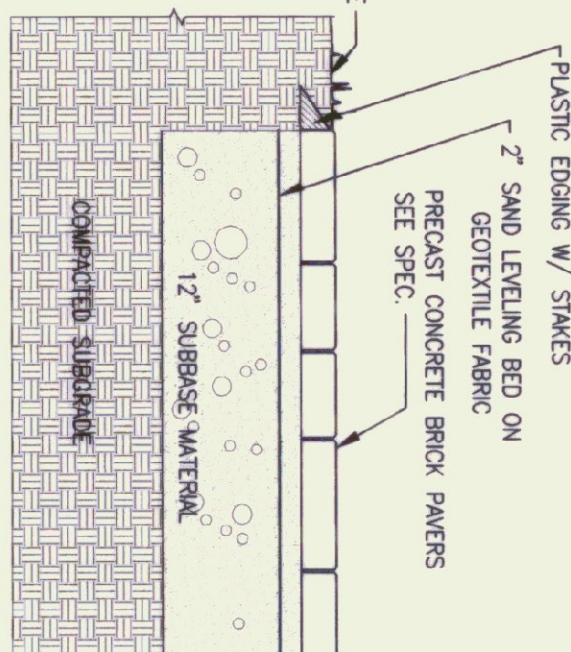
2 SITE - GRANITE CURB
1' = 1'-0"



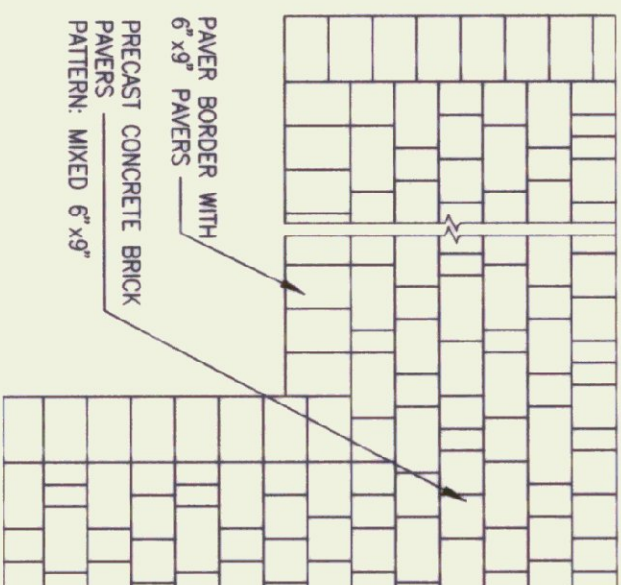
3 SITE - ASPHALT PAVEMENT
1' = 1'-0"



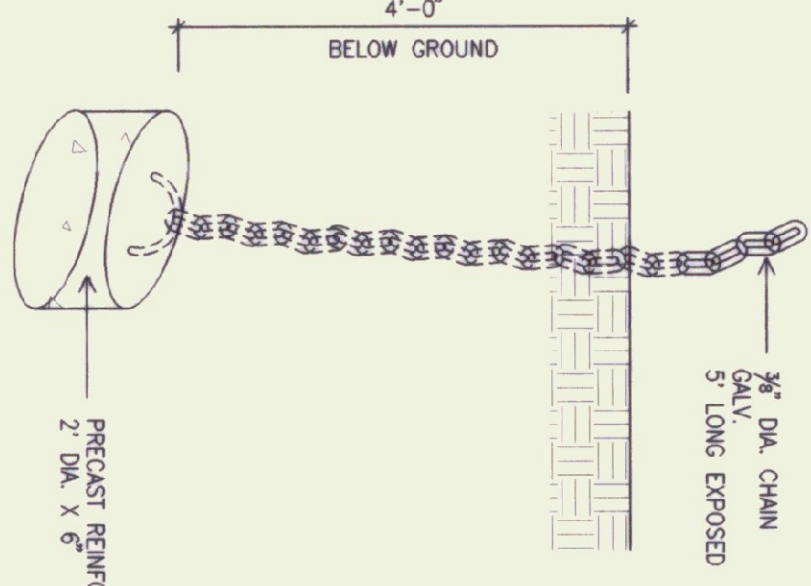
4 SITE - PRECAST PAVERS
1' = 1'-0"



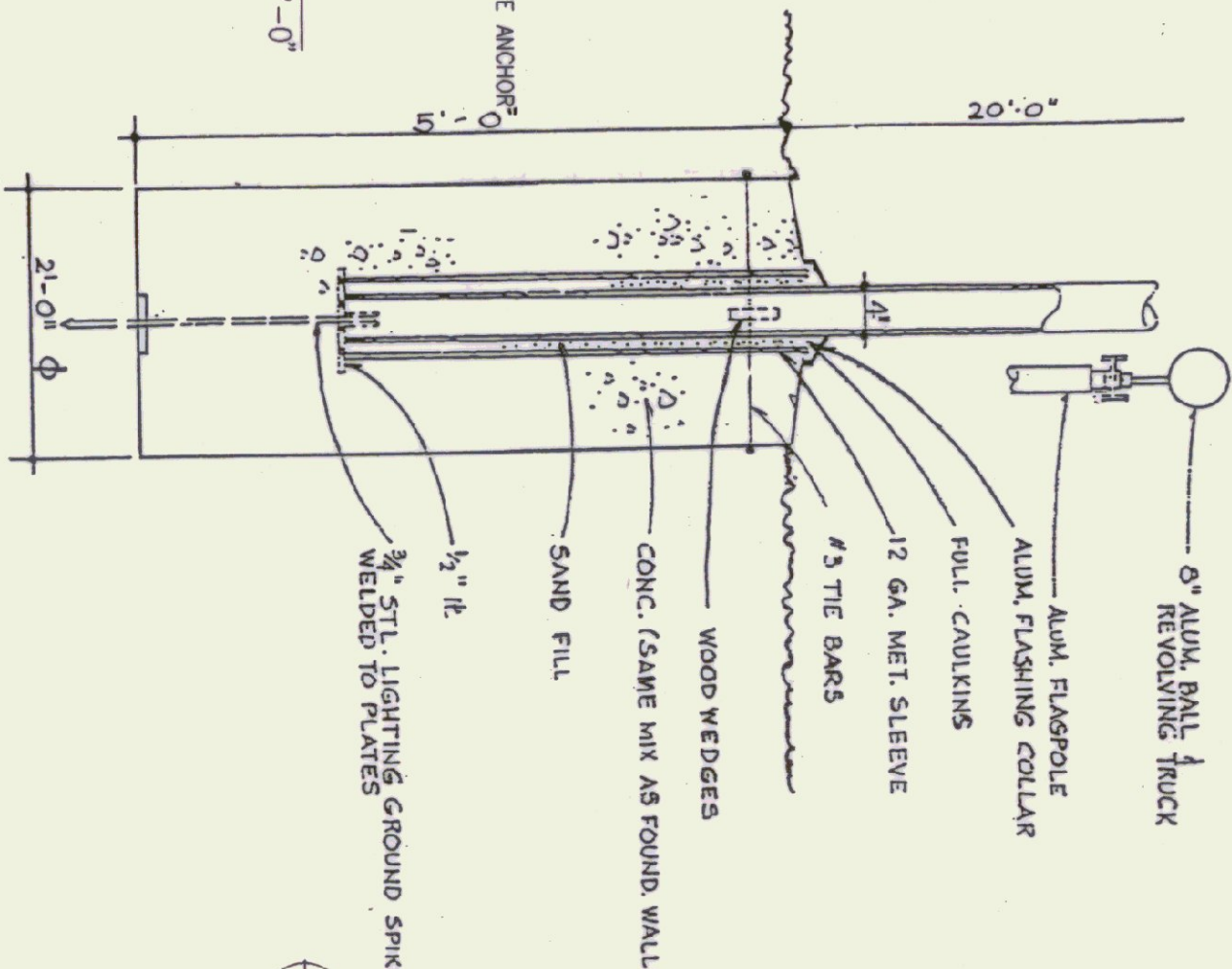
5 SITE - PRECAST PAVERS
1' = 1'-0"



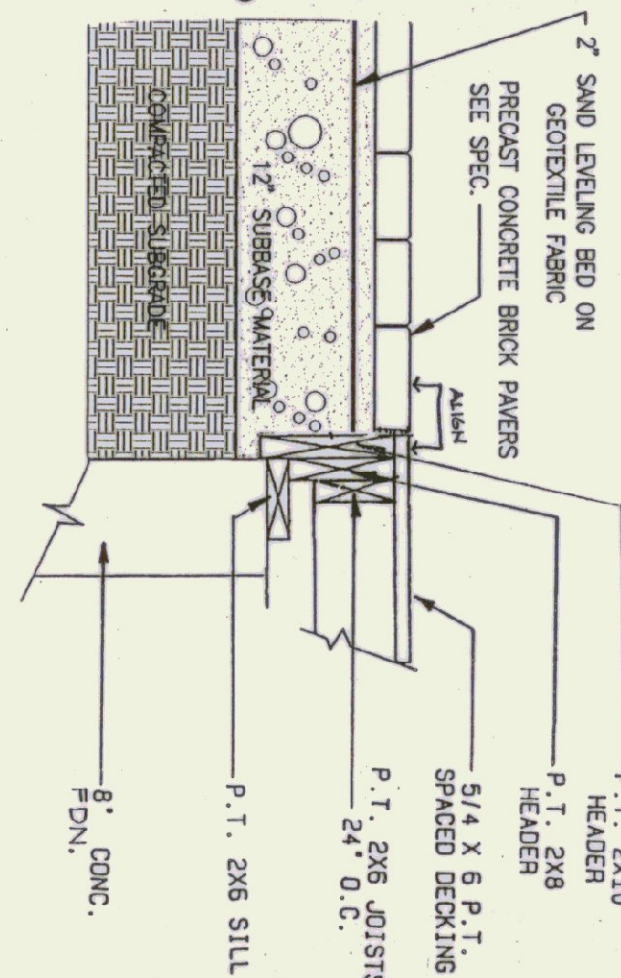
6 SITE - PRECAST PAVERS
1/2' = 1'-0"



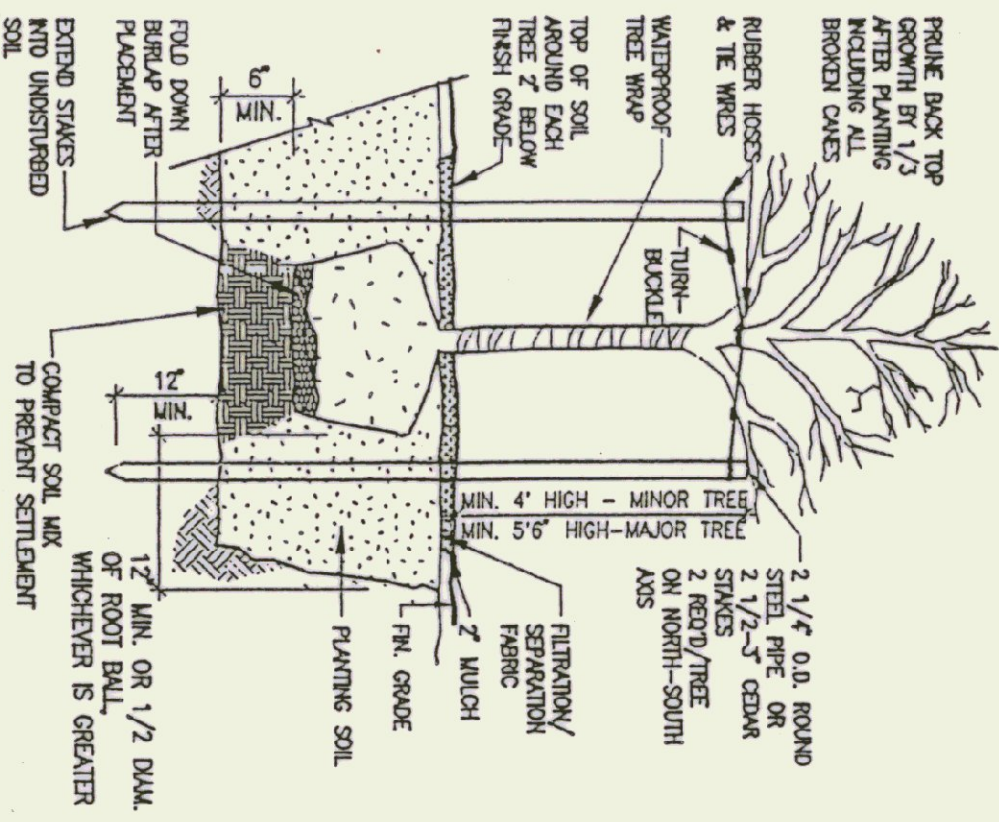
7 CONCRETE ANCHOR FOR PICNIC-TABLE AND BENCHES
1/2' = 1'-0"



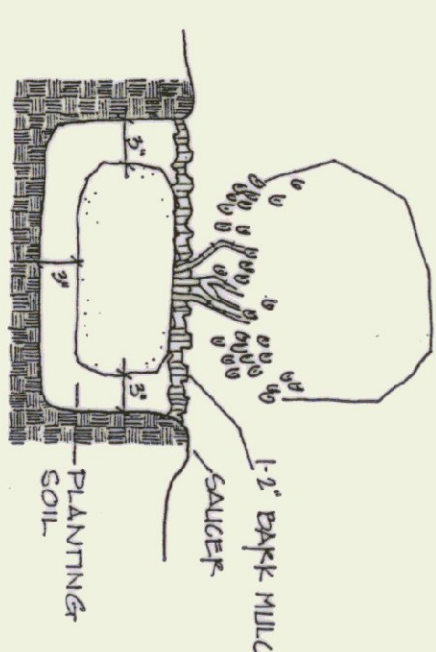
8 FLAGPOLE ANCHOR
N.T.S.



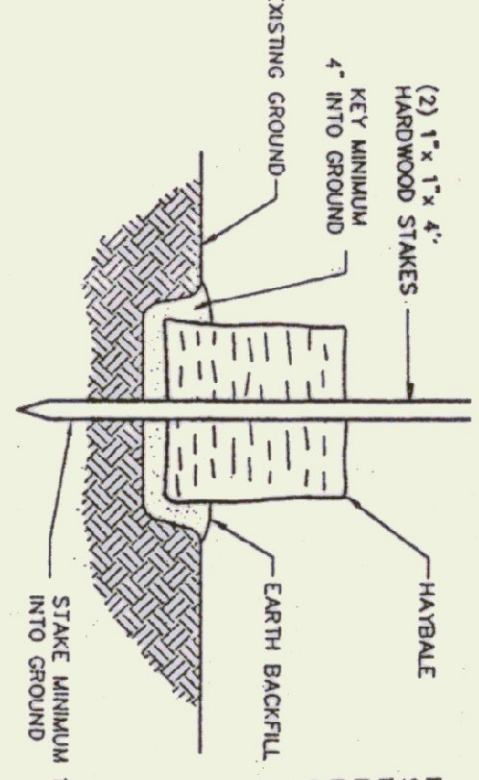
9 DETAIL PORCH SUPPORT @ PAVEMENT CONNECTION
N.T.S.



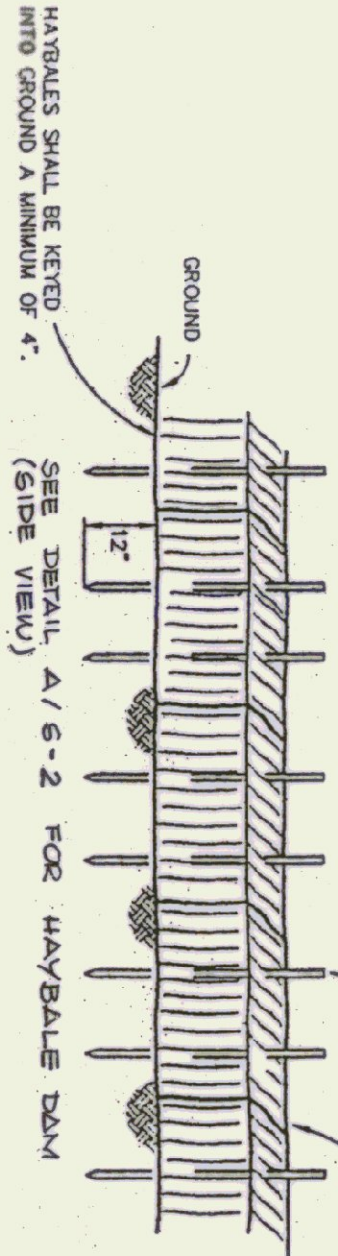
10 DECIDUOUS TREE PLANTING
N.T.S.



11 TYPICAL SHRUB PLANTING
N.T.S.



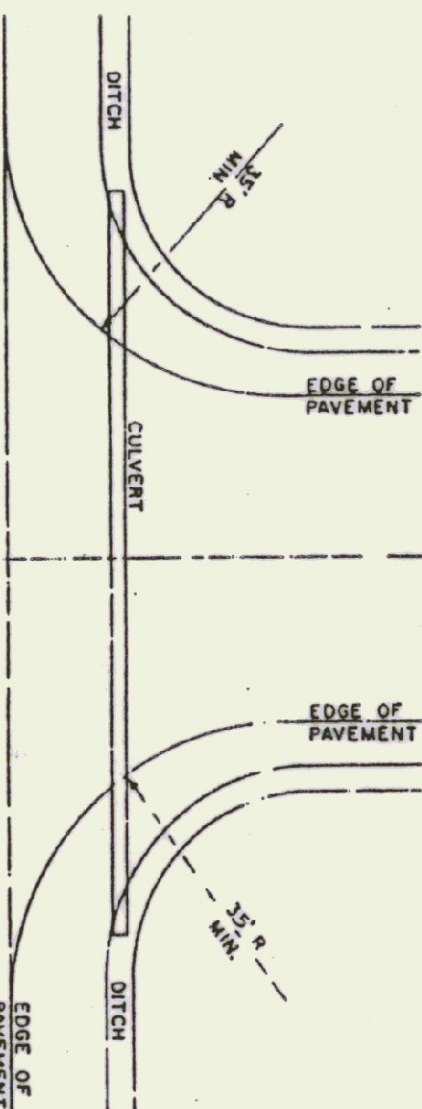
12 HAYBALE DAM (SIDE VIEW)
N.T.S.



13 HAYBALE DAM EROSION CONTROL BARRIER
N.T.S.

SELECTED EXCAVATED MATERIAL OR GRANULAR BACKFILL FOR STRUCTURES, AS DIRECTED BY THE ENGINEER

14



15 TWO-WAY UNDIVIDED COMMERCIAL DRIVE
N.T.S.

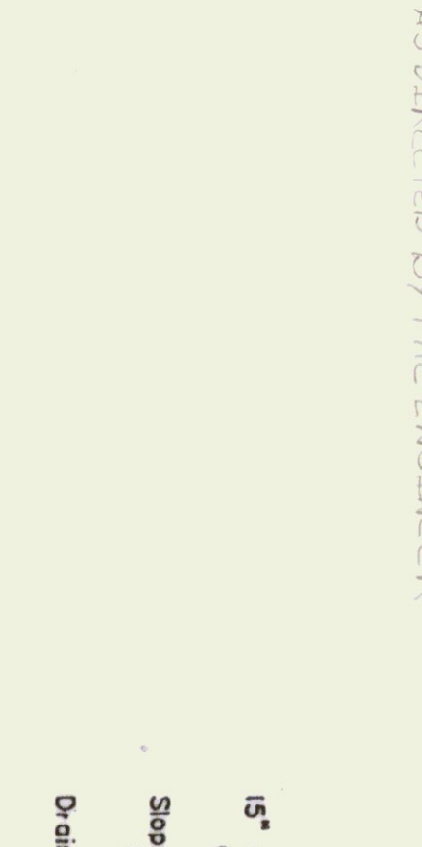
SELECTED EXCAVATED MATERIAL OR GRANULAR BACKFILL FOR STRUCTURES, AS DIRECTED BY THE ENGINEER

16

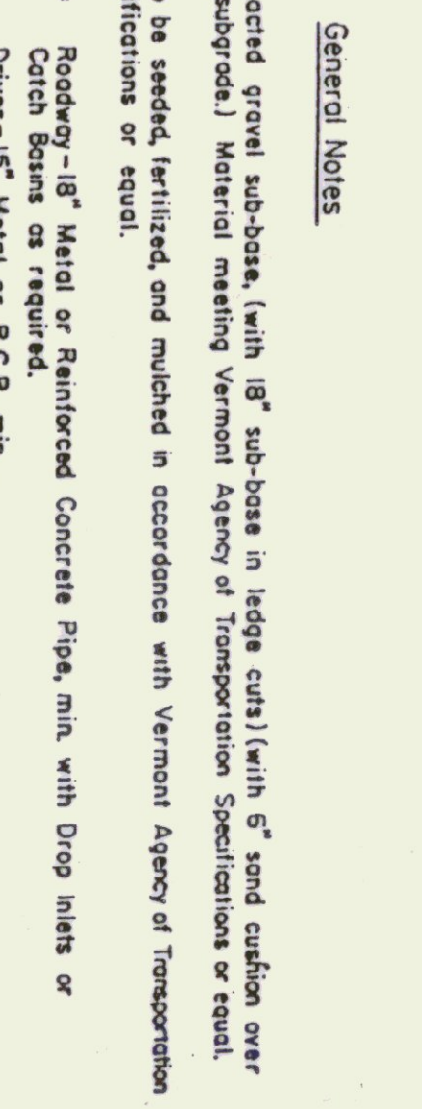


17 PROFILE OF DRIVE INTERSECTION (FILL SECTION)
N.T.S.

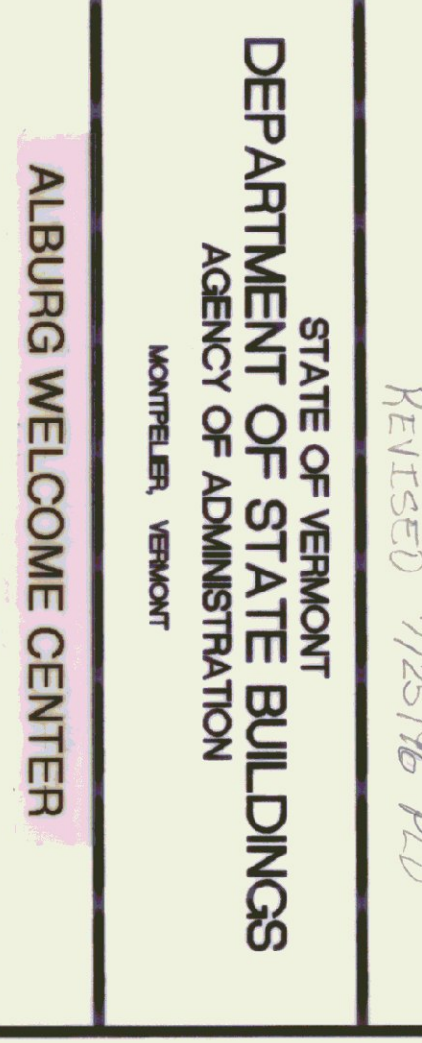
18



19



20



21

STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

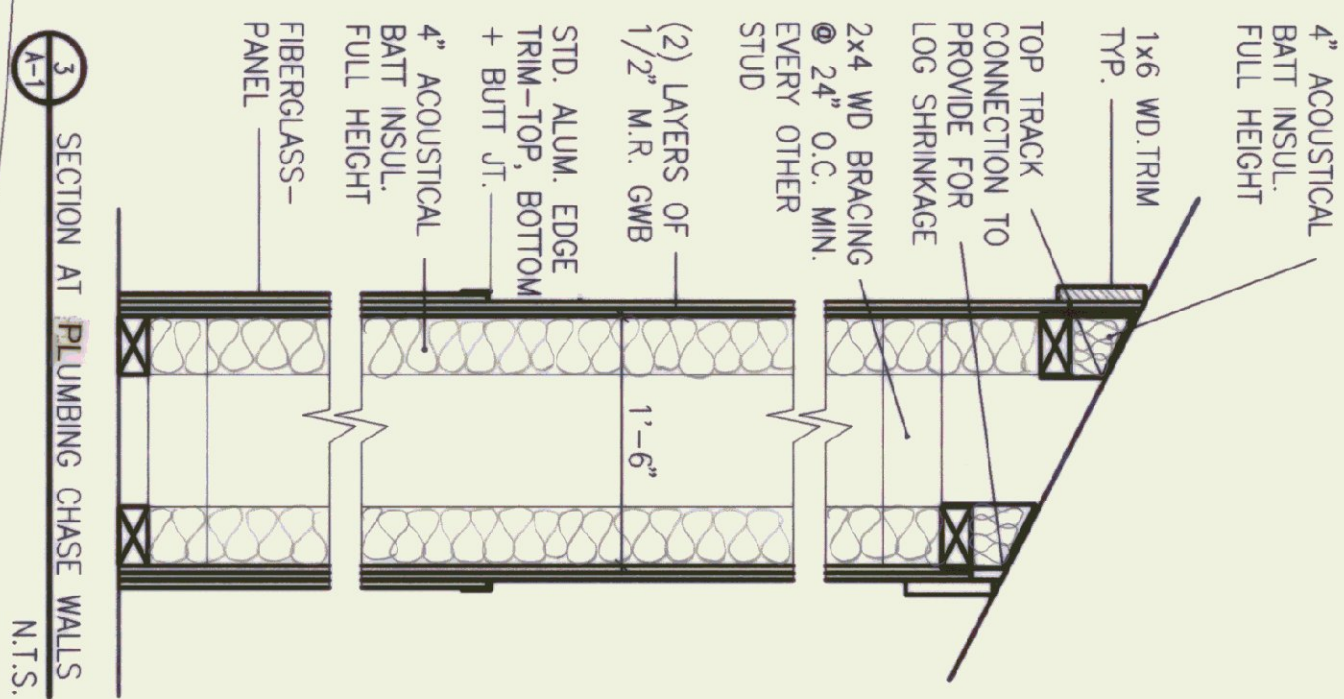
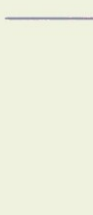
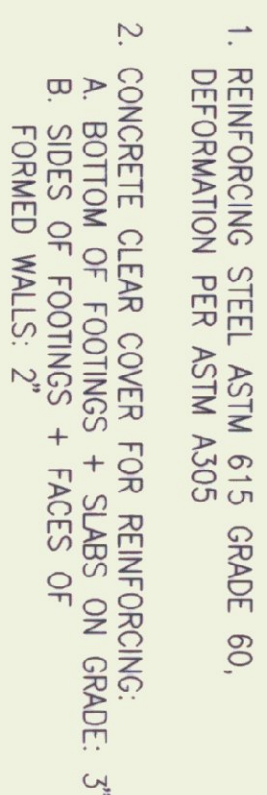
ALBURG WELCOME CENTER

ALBURG
SITE-DETAILS

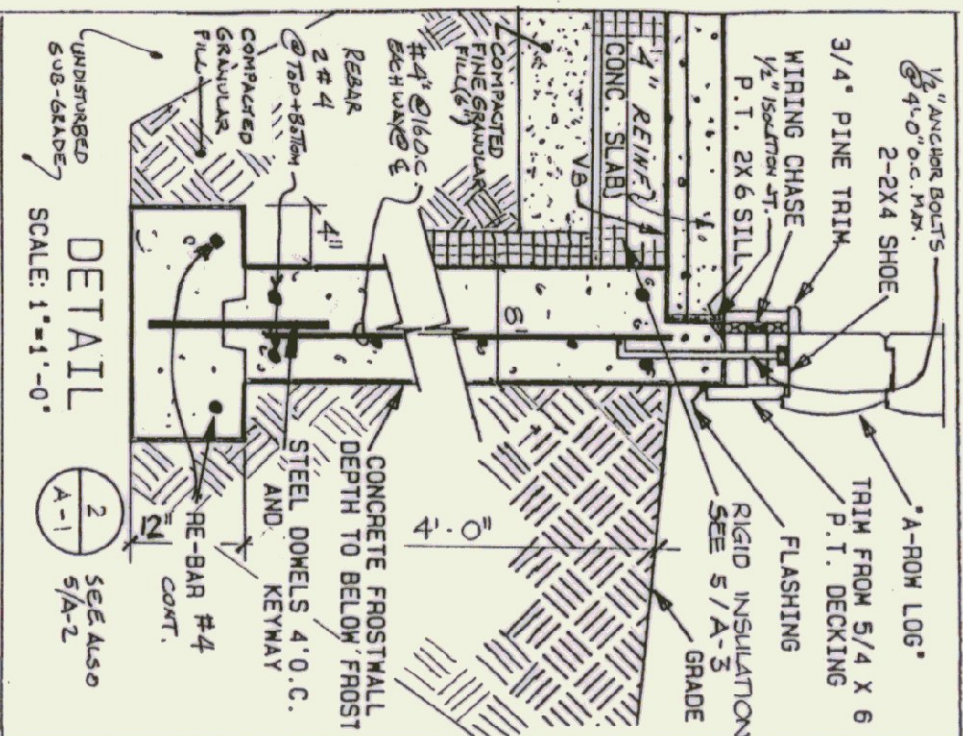
REvised 7/25/96 PLD



DATE:	SCALE:	REVISION:	DRAWING NO:
MARCH 19, 1996	AS NOTED	7-25-96	S-2
DRAWN BY:	PROJECT NO:		SHEET
JBA	110128-10775		5 OF 21



FLOOR PLAN



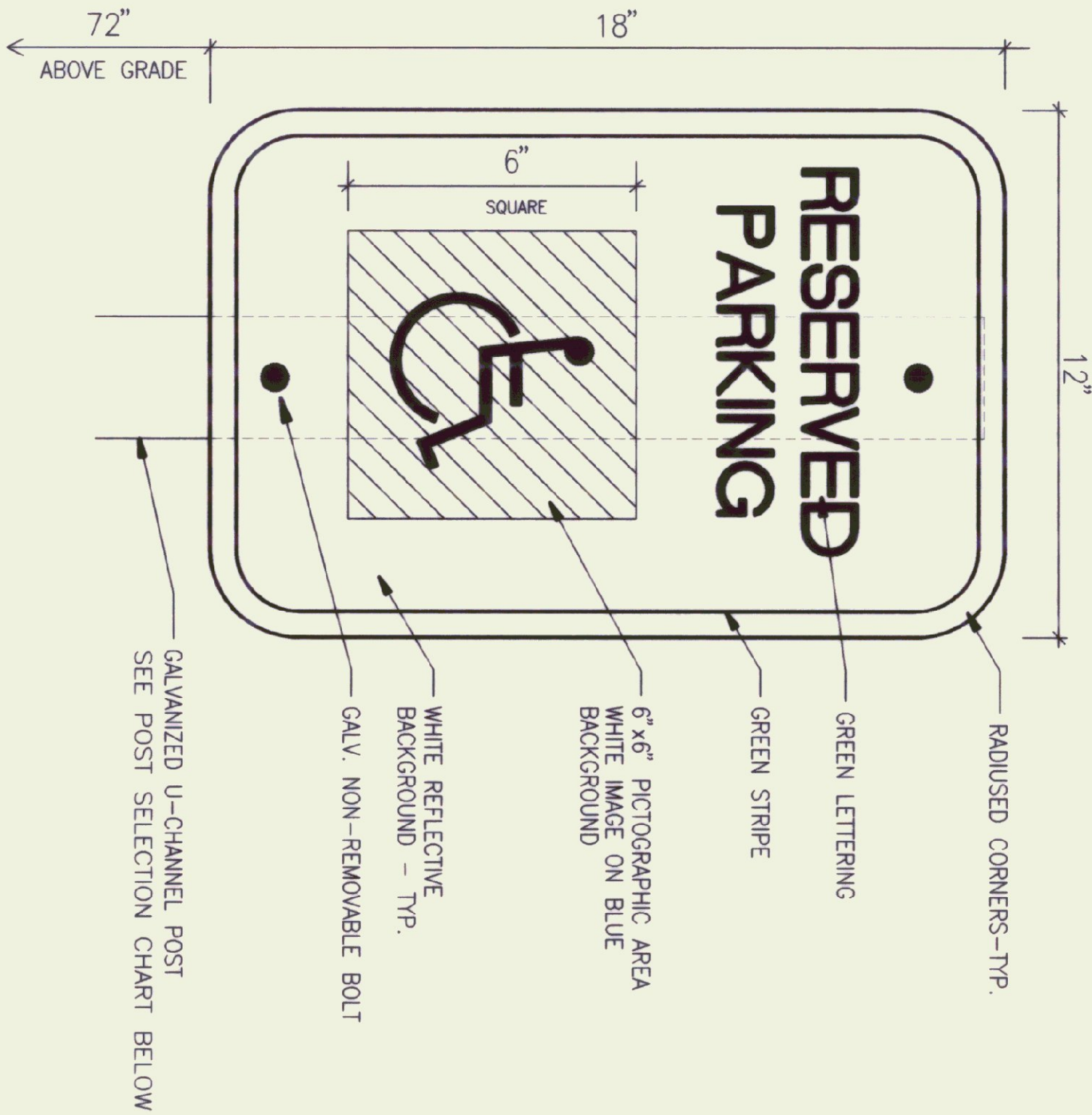
ALL INTERIOR WALLS ARE 5" LOG WALLS TYPICAL EXCEPT PLUMBING CHASE WALLS IN ROOM 03 AND 05.

1000 JOURNAL OF MANAGEMENT INQUIRY / December 2005

SIGN TYPE # 1

EXTERIOR

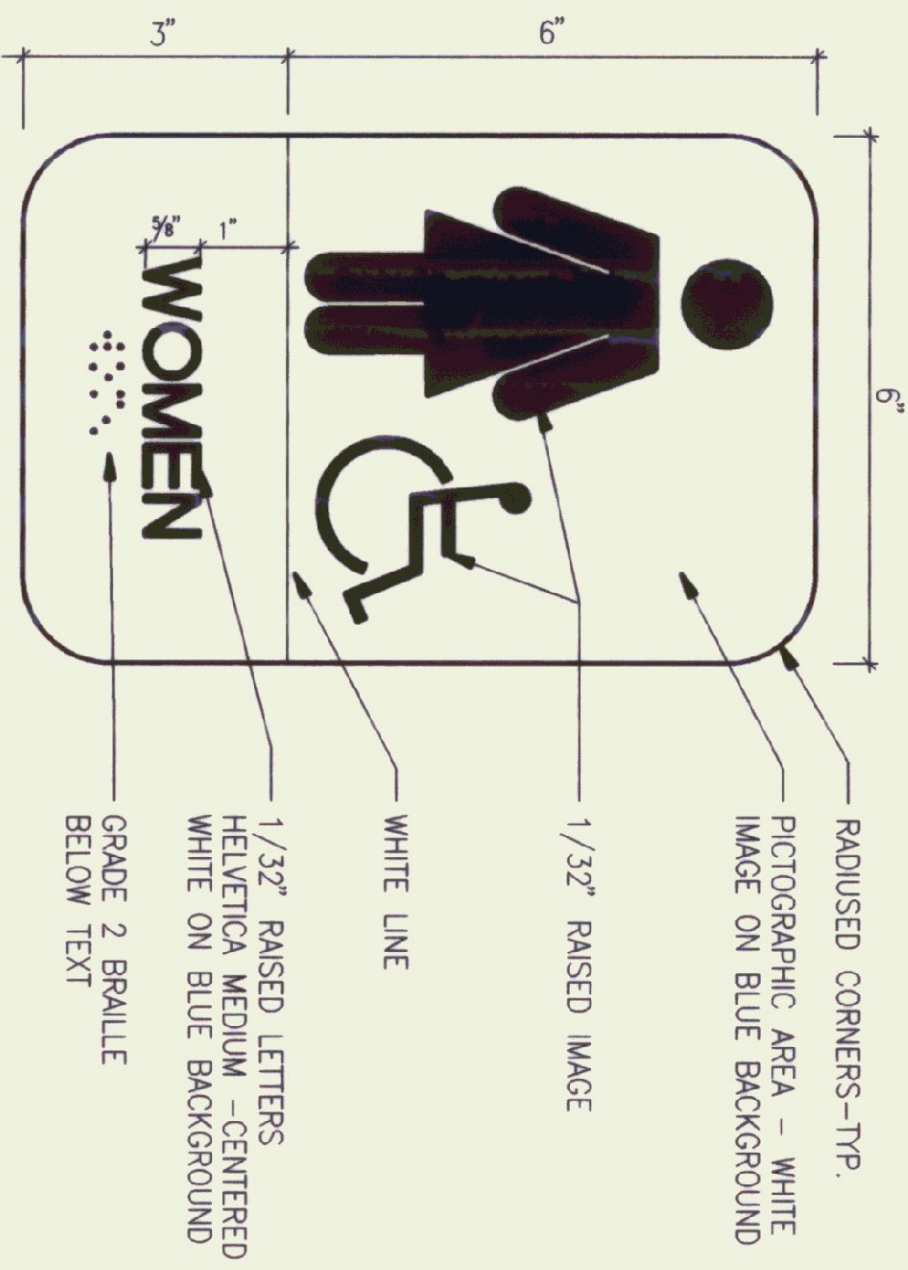
SCALE 6"=1'-0"



SIGN TYPE # 2

EXTERIOR

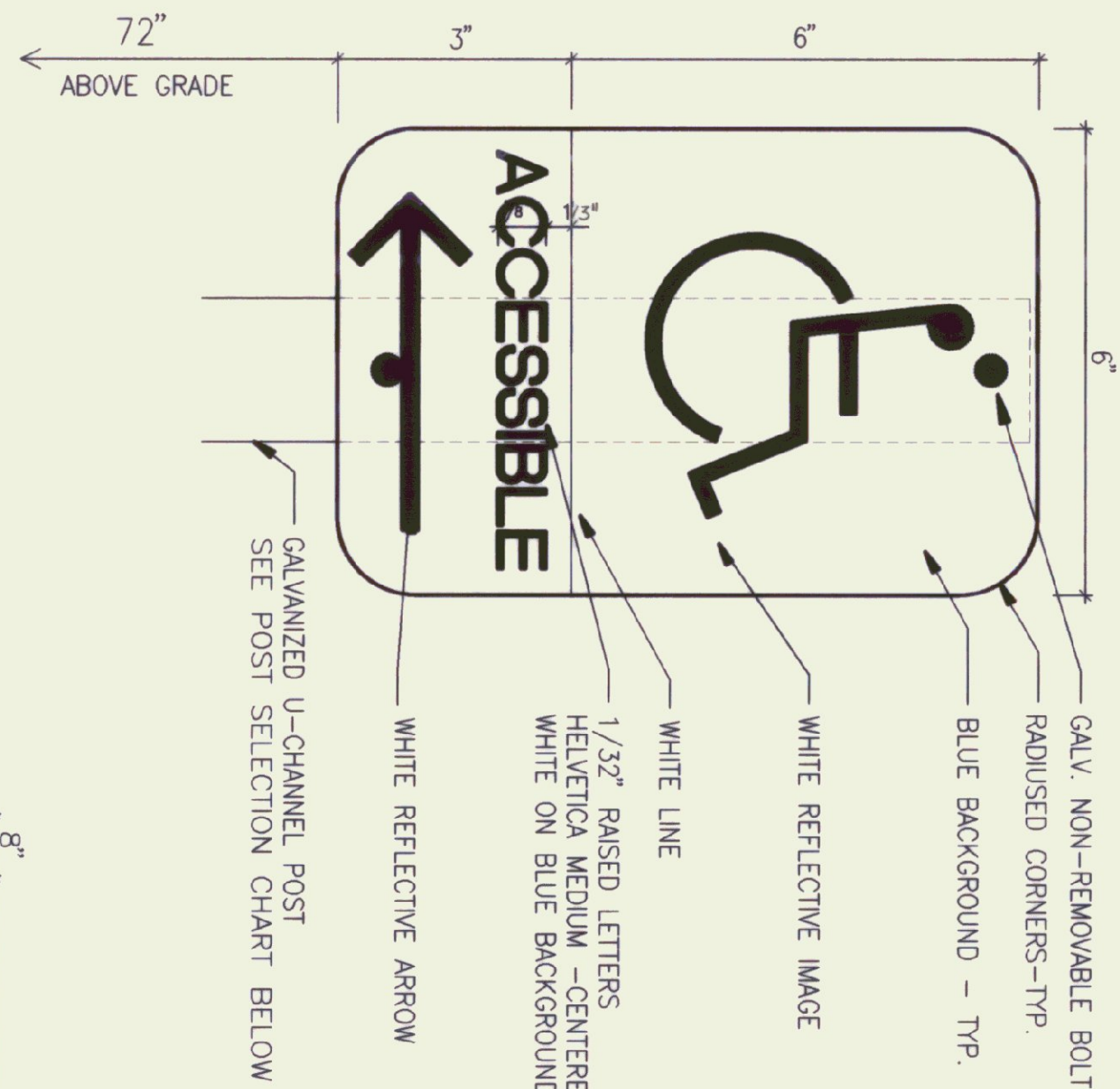
SCALE 6"=1'-0"



SIGN TYPE # 3

EXTERIOR

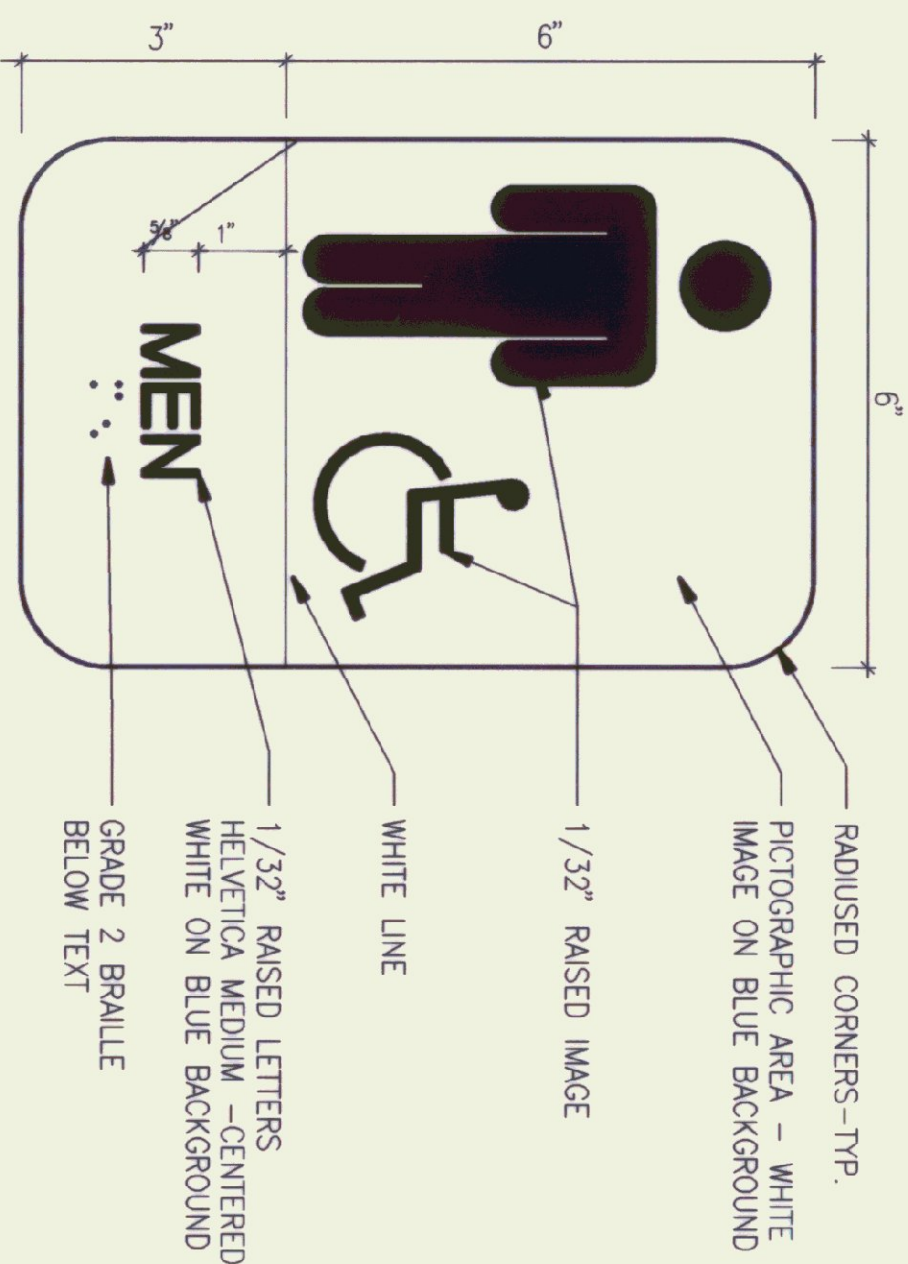
SCALE 6"=1'-0"



SIGN TYPE # 4

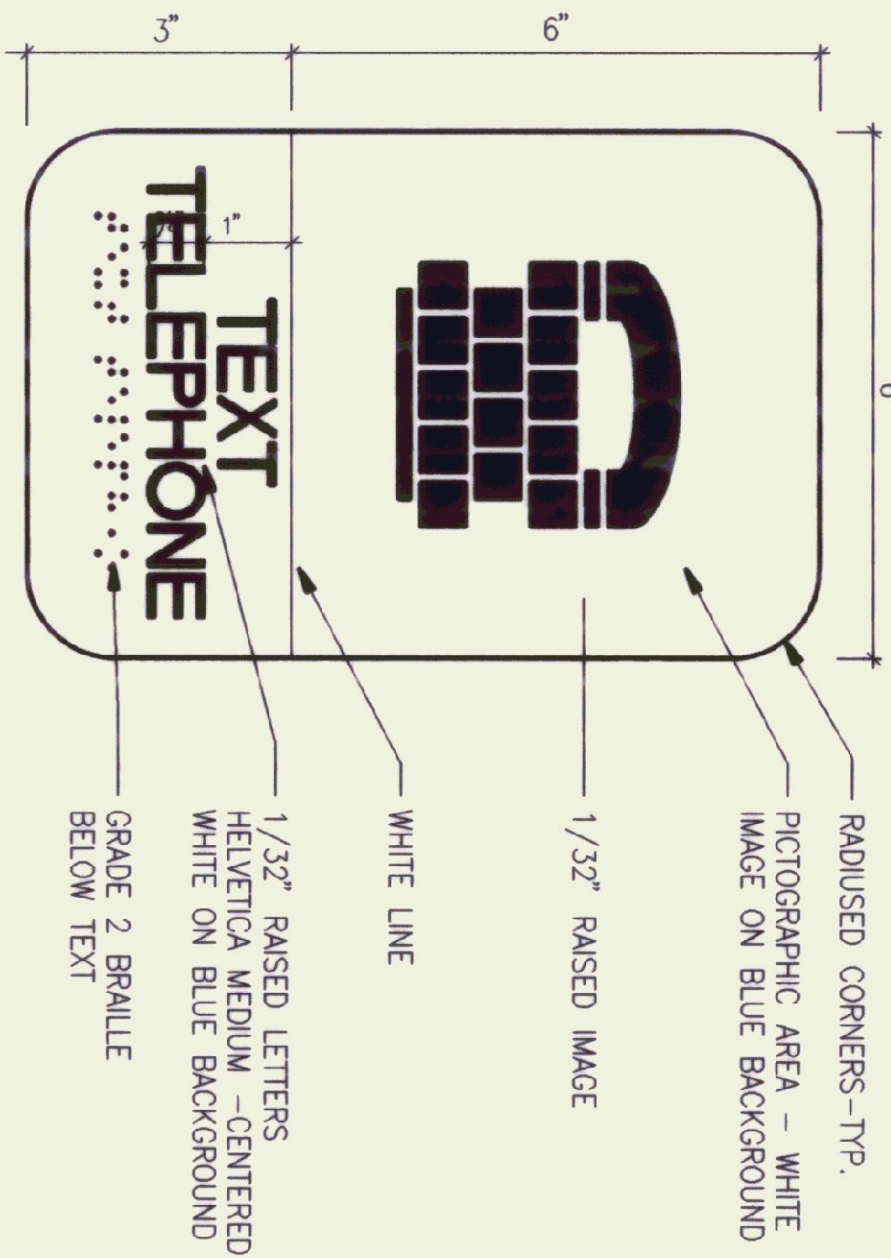
EXTERIOR

SCALE 6"=1'-0"



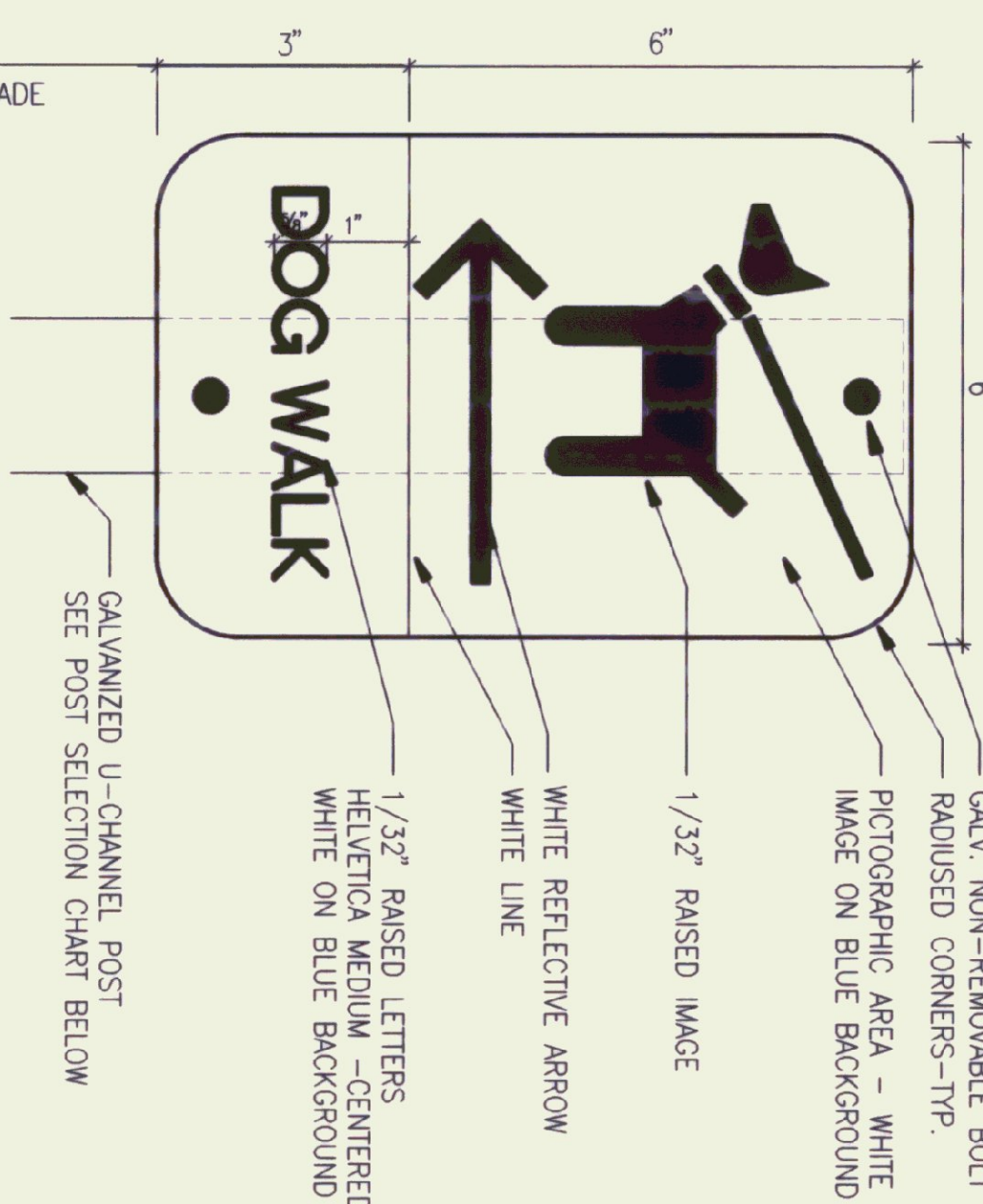
SIGN TYPE # 5

SCALE 6"=1'-0"



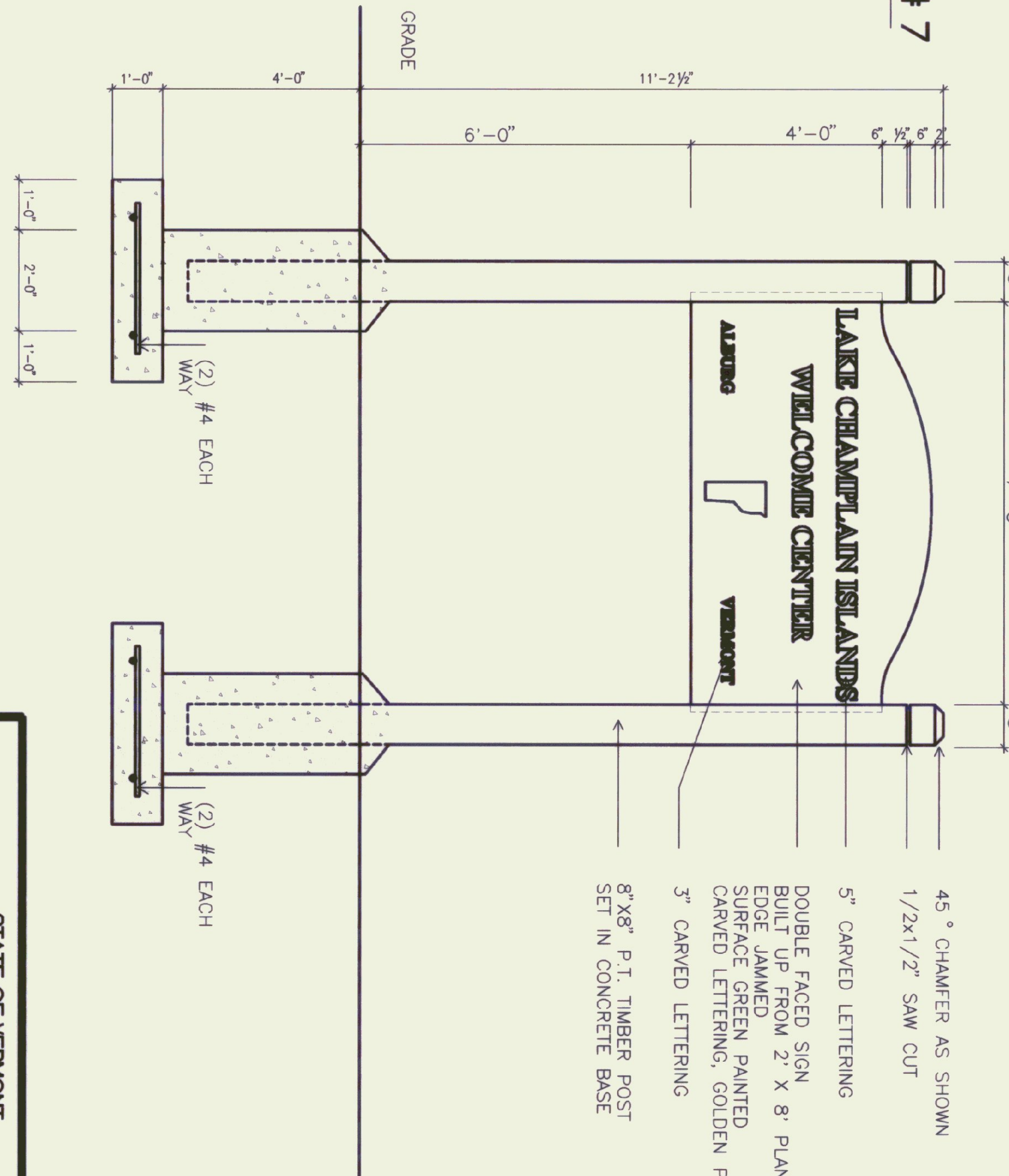
SIGN TYPE # 6

SCALE 6"=1'-0"



SIGN TYPE # 7

SCALE 6"=1'-0"

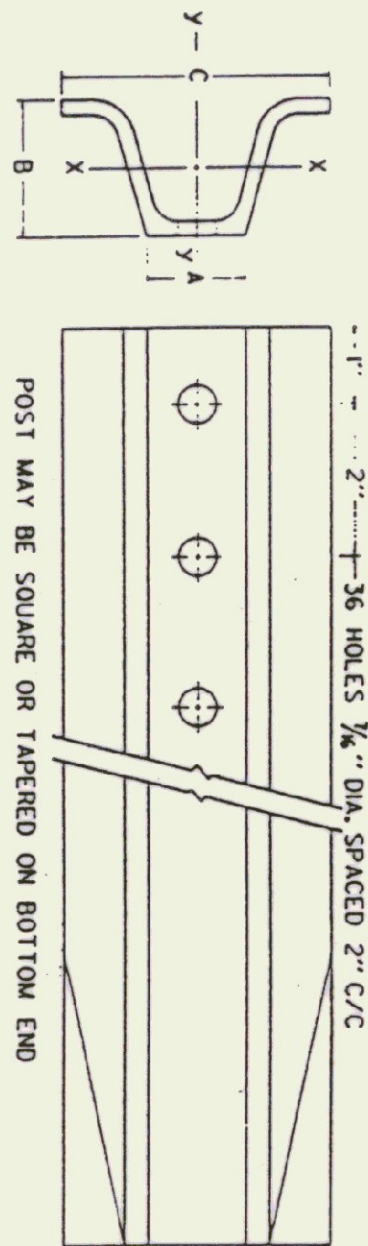


NOTES:

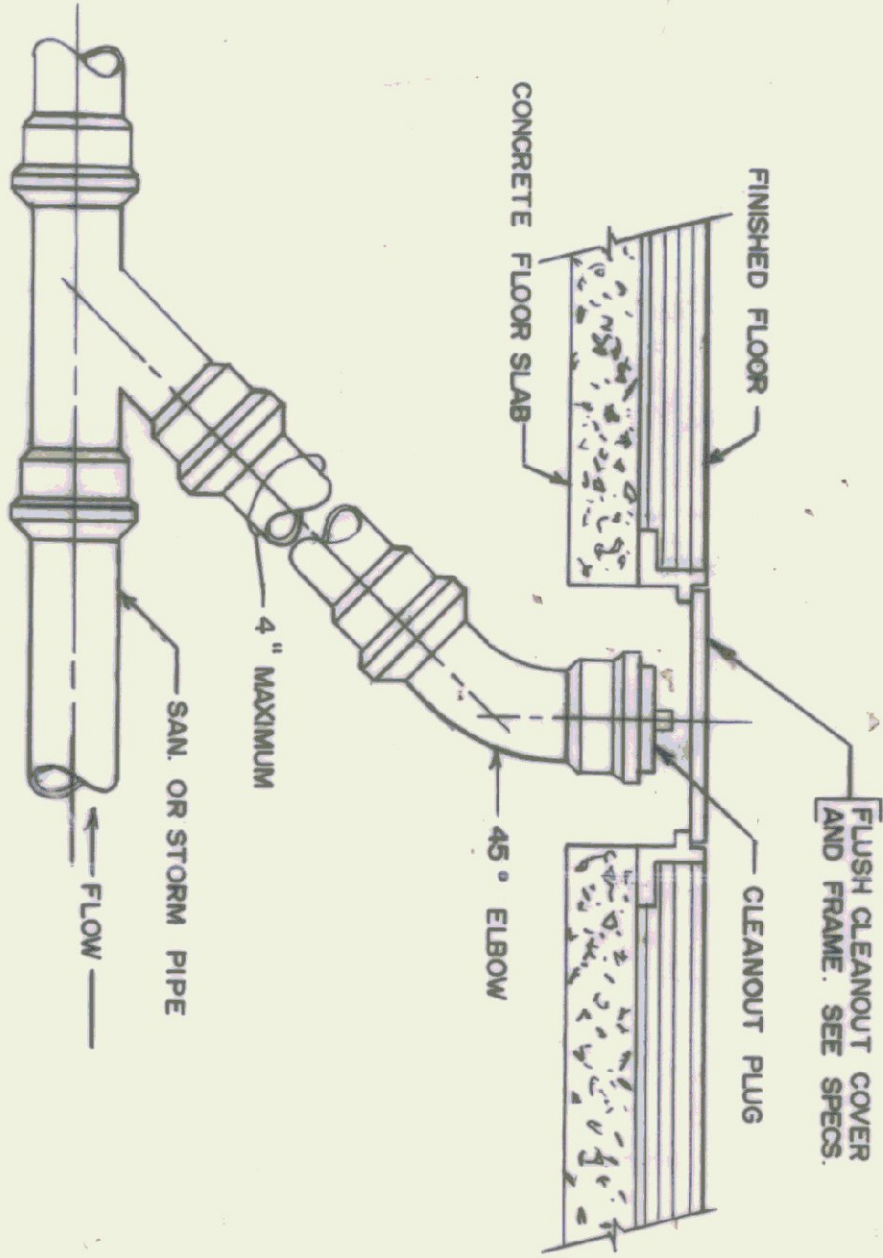
- OWNER TO FURNISH ALL SIGNS.
 - CONTRACTOR TO FURNISH & INSTALL ALL POSTS AS SHOWN ON DRAWINGS.
 - CONTRACTOR TO INSTALL SIGNS WHERE INDICATED ON PLANS.
- INTERIOR SIGNS – TYPICAL INSTALLATION:
- INSTALL ON WALL AT 60" FROM FIN. FLOOR TO 6" OF SIGN WITH EDGE AT 2" (WHEN POSSIBLE) FROM DOOR FRAME AT LATCH SIDE OF DOOR.

POST SIZE (LB./FT.)	DIMENSIONS			SECTION MODULUS, X-X
	A	B	C	
2	1 1/2"	1 1/4"	3 1/4"	0.225 IN ³
2 1/2	1 3/4"	1 3/4"	3 1/4"	0.289 IN ³
3	1 3/4"	1 3/4"	3 1/2"	0.403 IN ³

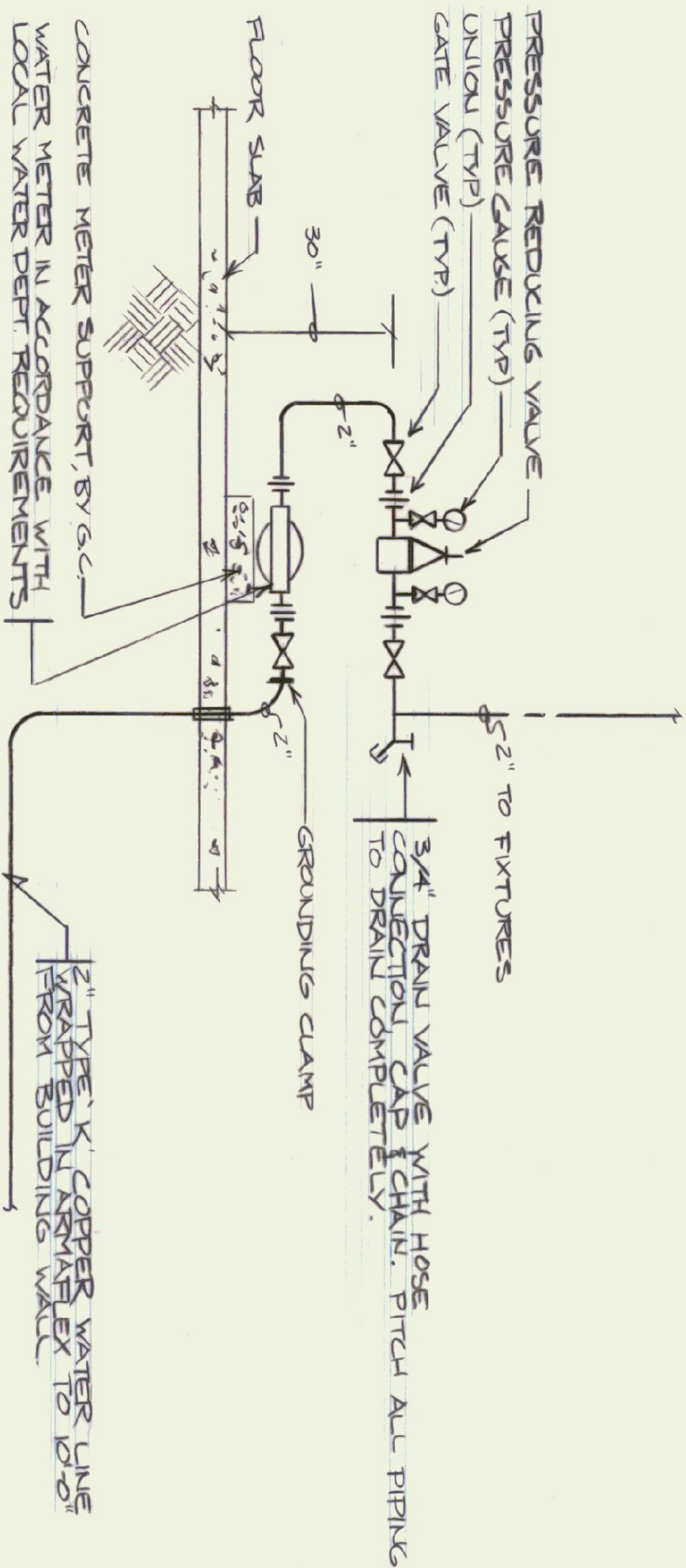
SIMILAR DIMENSIONS ARE ACCEPTABLE, HOWEVER SECTION MODULUS VALUES SHALL NOT BE EXCEEDED.



STATE OF VERMONT DEPARTMENT OF STATE BUILDINGS AGENCY OF ADMINISTRATION MONTPELIER, VERMONT			
ALBURG WELCOME CENTER SIGNS			
DATE: MARCH 18, 1996	SCALE: AS NOTED	REVISIONS: 5-16-96	DRAWING NO.: A-3
DRAWN BY: JBA	PROJECT NO.: NH028-10-75		9 OF 21

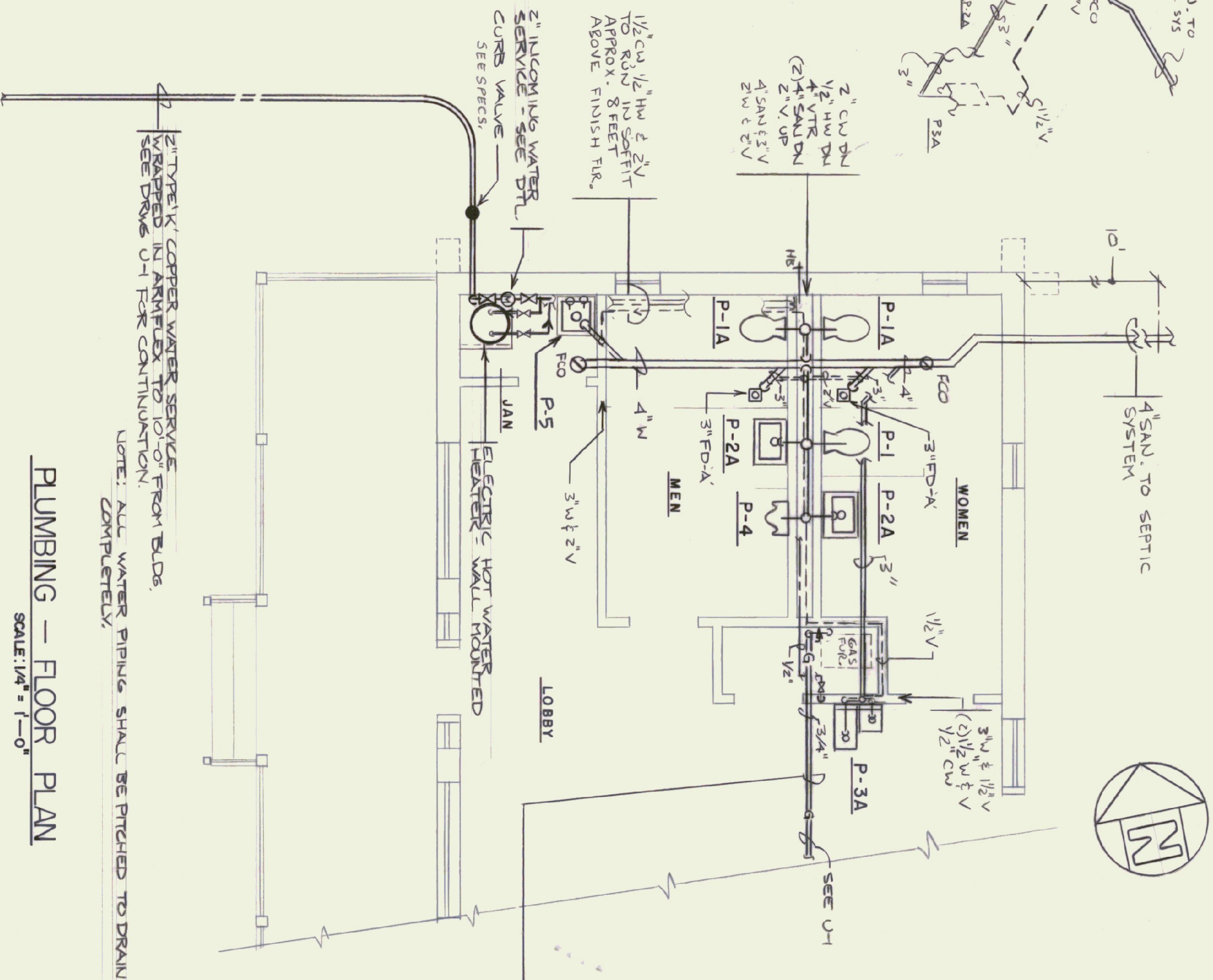
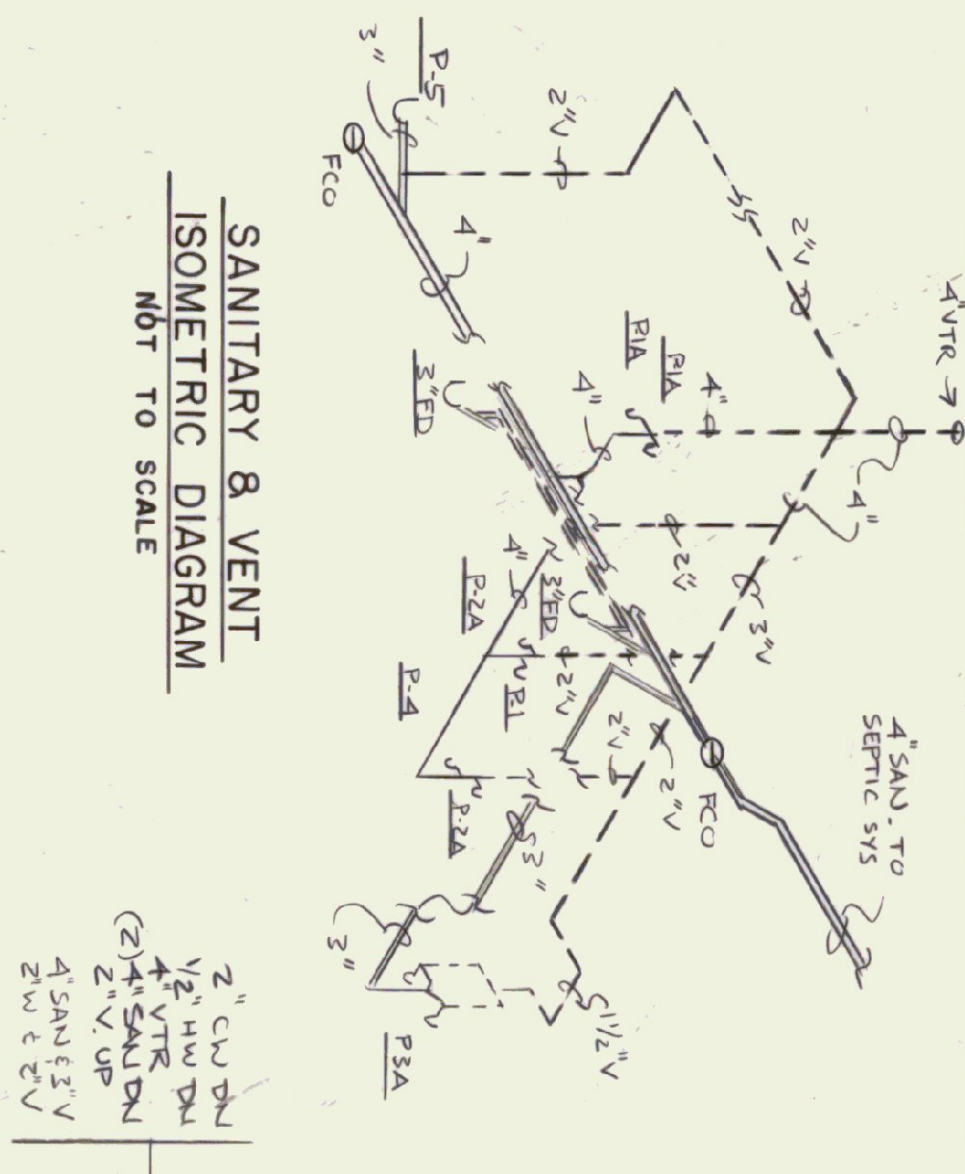


DETAIL OF FLUSH FLOOR CLEANOUT
NOT TO SCALE



INCOMING WATER SERVICE DETAIL
NOT TO SCALE

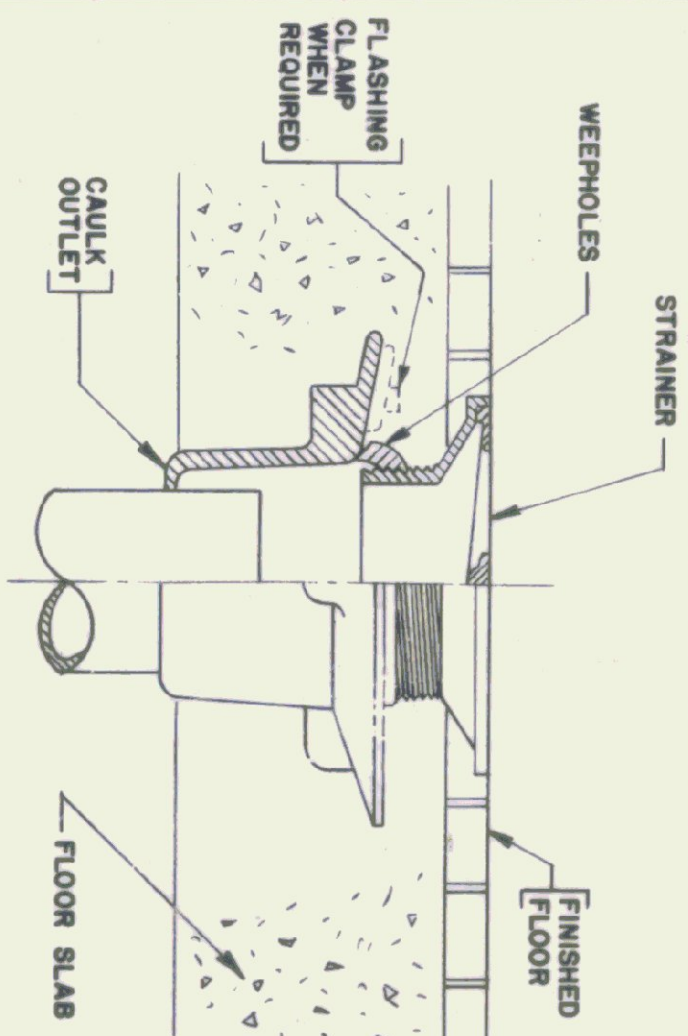
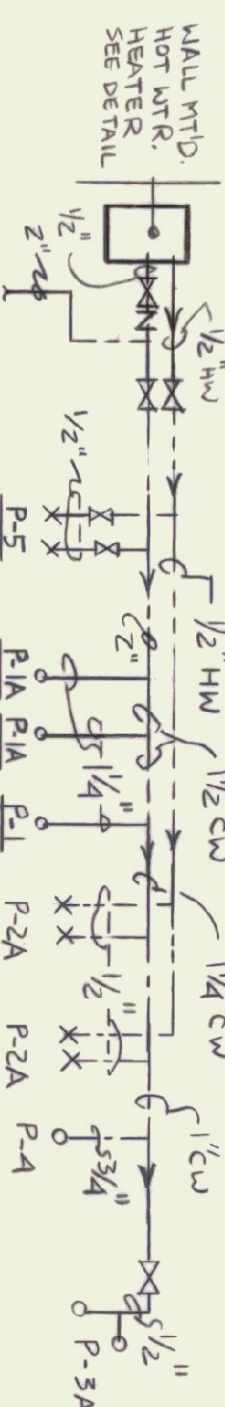
SANITARY & VENT
ISOMETRIC DIAGRAM
NOT TO SCALE



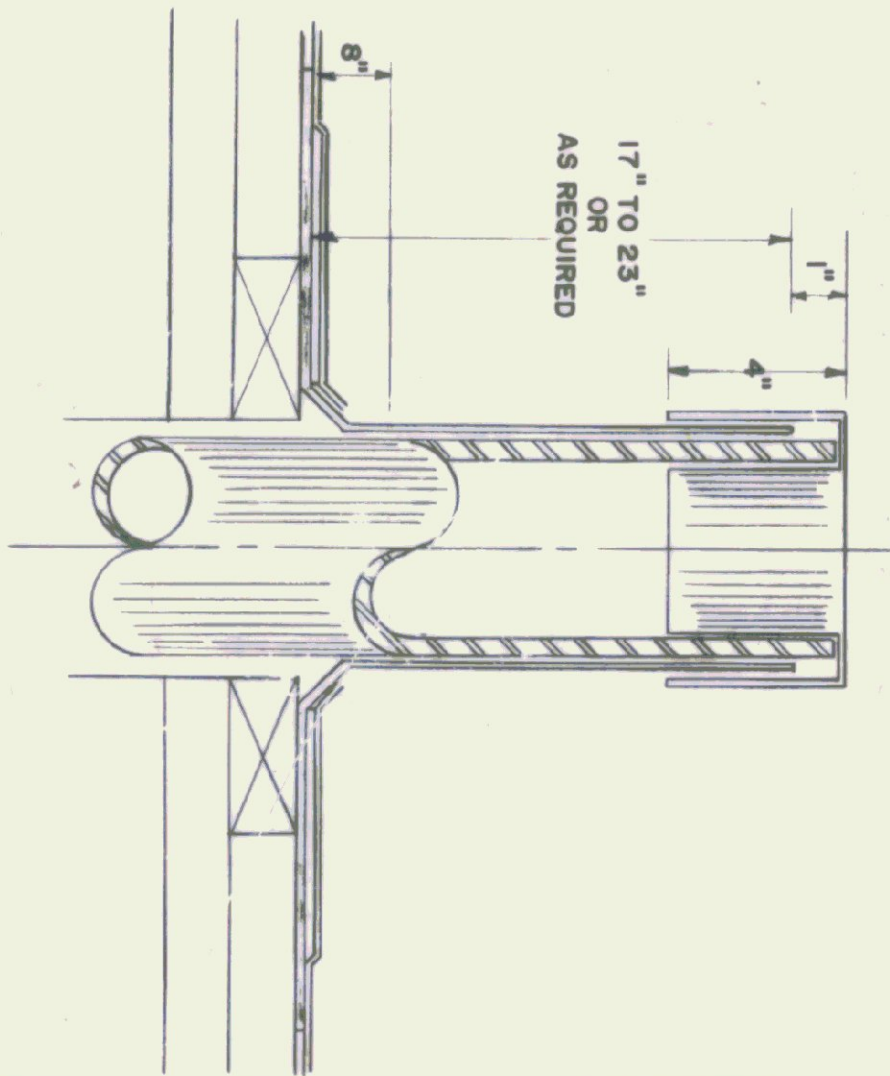
PLUMBING - FLOOR PLAN
SCALE: 1/4" = 1'-0"

MARK	FIXTURE	DESCRIPTION	COLD WATER	HOT WATER	WASTE	VENT
P-1		WATER CLOSET (REG. USED)	1 1/4"	1 1/4"	4"	2"
P-1A		WATER CLOSET (HANDICAP USE)	1 1/4"	1 1/4"	4"	2"
P-2A		LABATORY (WALL HUNG) HANDI-CAP USE	1 1/4"	1 1/4"	4"	2"
P-3A		LABATORY (WALL HUNG) HANDI-CAP USE	1 1/4"	1 1/4"	4"	2"
P-4		URINAL (WALL HUNG) STANITOR SINK	3/4"	3/4"	2"	2"
P-5			1/2"	1/2"	2"	2"

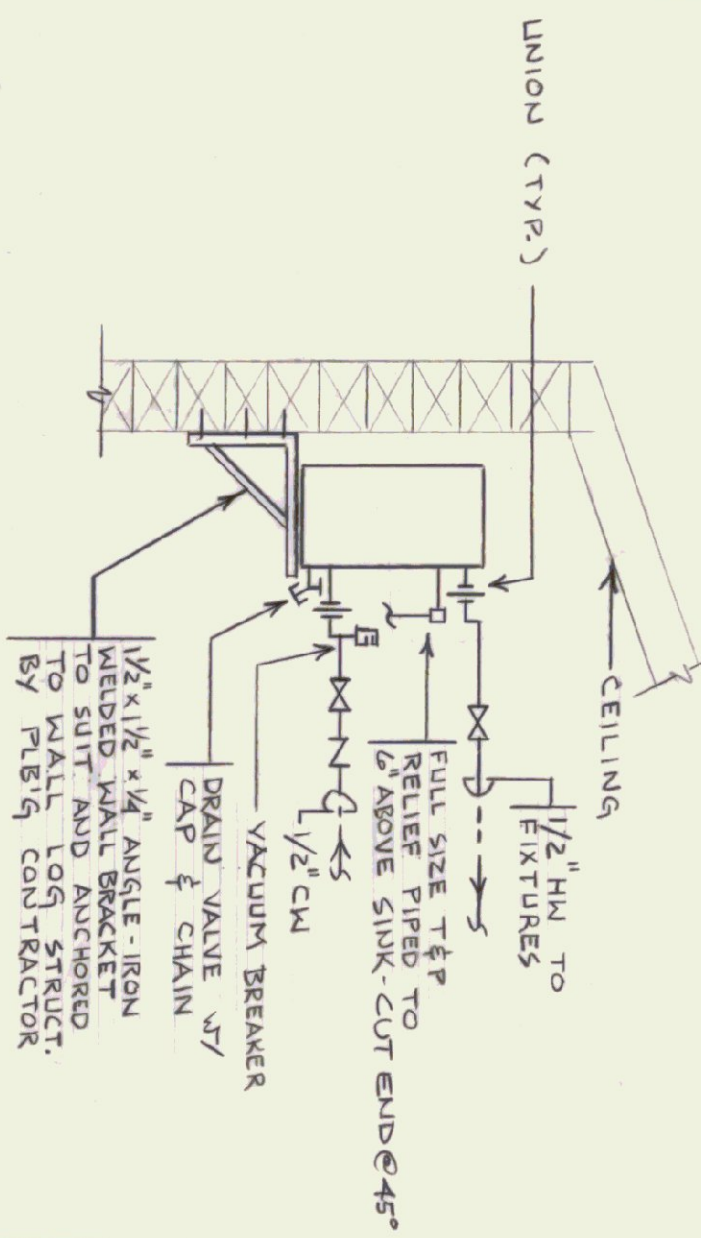
HOT & COLD WATER RISER DIAGRAM
NOT TO SCALE



FLOOR DRAIN DETAIL
NOT TO SCALE



ROOF VENT DETAIL
NOT TO SCALE



DOMESTIC HOT WATER HEATER DETAIL
NOT TO SCALE

SYMBOLS USED ARE INDICATED BY A CHECK (✓)	
✓	SANITARY OR WASTE LINE (ABOVE GROUND)
✓	SANITARY OR WASTE LINE (BELOW GROUND)
✓	STORM LINE (ABOVE GROUND)
✓	STORM LINE (BELOW GROUND)
✓	GAS LINE (C.P.S.A.S.)
✓	COMPRESSED AIR LINE
✓	VENT LINE (ABOVE GROUND)
✓	VENT LINE (BELOW GROUND)
✓	COLD WATER LINE (ABOVE GROUND)
✓	COLD WATER LINE (BELOW GROUND)
✓	HOT WATER LINE
✓	HOT WATER RECIRCULATING LINE
✓	CLEAN OUT
✓	FLOOR CLEAN OUT
✓	WALL HYDRANT OR HOSE BIBB
✓	GLOBE VALVE
✓	CHECK VALVE
✓	GATE VALVE
✓	FLOOR DRAIN WITH TRAP
✓	NEW
✓	EXISTING
✓	POINT OF PLUMBING CONNECTION TO E
✓	SANITARY LINE
✓	STORM LINE
✓	VENT LINE
✓	WASTE LINE
✓	TRAP
✓	ROOF DRAIN
✓	ROOF LEADER

RUN 3/4" TYPE V COPPER W/ 3/4" ARMORFLEX IN 5"Ø GALVANIZED STEEL CONDUIT W/ LONG ELBOWS UNDER BUILDING (BY PLUMBING CONTR.) BUILDING W/ MECH. ROOM & CONNECT 3/4" STEEL GAS PIPING (SEE SPEC) W/ GAS SHUT OFF & DIRT LEG TO GAS FIRED HOT AIR FURNACE (FURNACE BY H.V. CONTRACTOR)



STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

ALBURG WELCOME CENTER
ALBURG

PLUMBING - PARTIAL FLOOR PLAN,
DETAILS, SCHEDULES, DIAGRAMS & LEGENDS

DATE: 3-19-96 SCALE: AS NOTED REVISIONS: 3-16-96
DRAWN BY: GN, KA PROJECT NO. NH 028-1075 DWG. NO. P-1
11 OF 21

HEATING & VENTILATING LEGEND

- AIR SUPPLY
- AIR EXHAUST OR RETURN
- VOLUME DAMPER
- MOTORIZED DAMPER
- ABOVE FINISH FLOOR TO CENTER LINE OF ITEM
- TRANSFER GRILLE
- THERMOSTAT
- BALANCED CFM GRILLE, DIFFUSER & REGISTER SYMBOL
- NO IN SCHEDULE

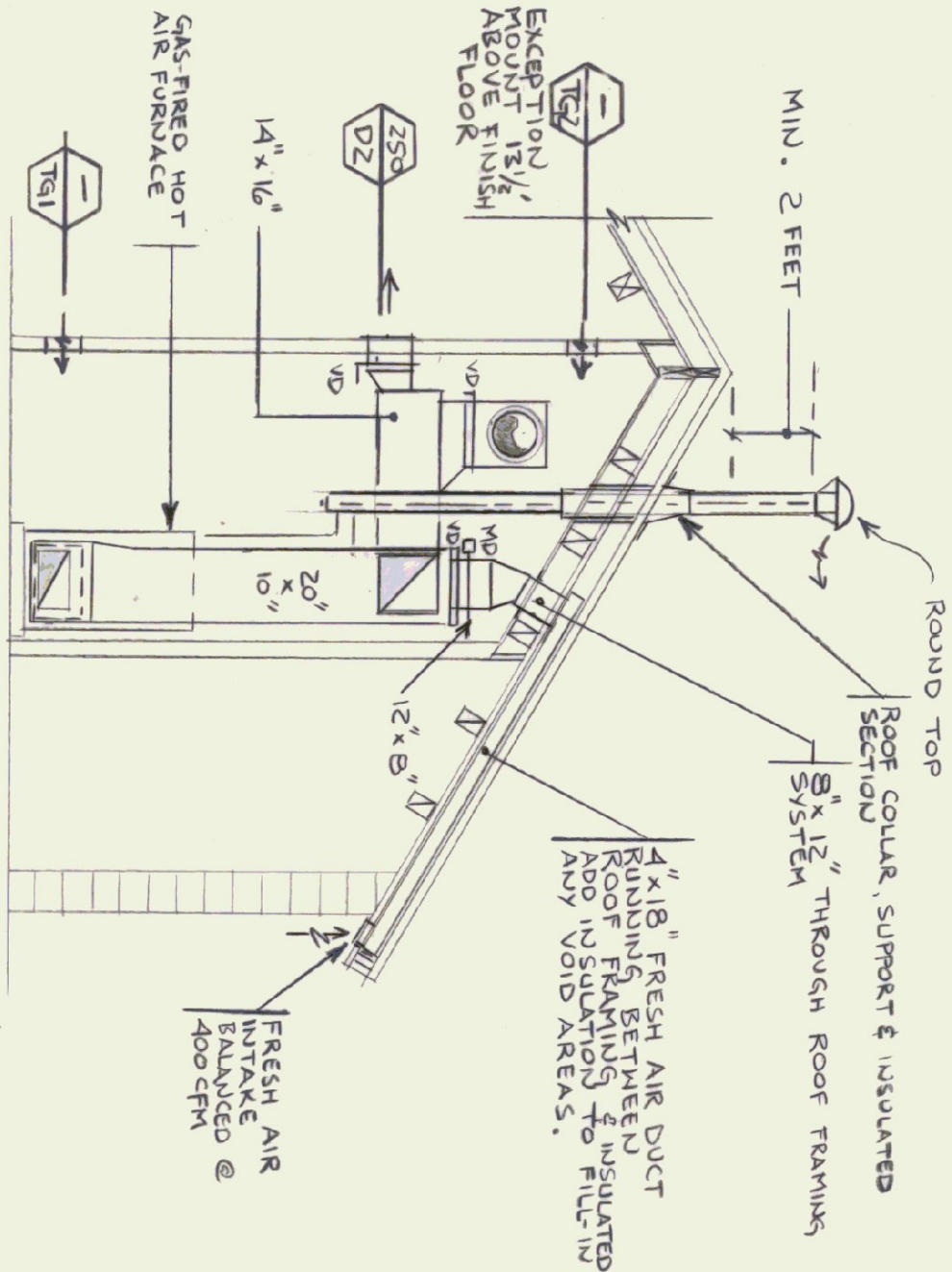
EQUIPMENT SCHEDULE: FURNISH & INSTALL THE FOLLOWING:

- GAS-FIRED HOT AIR FURNACE - GAS-FIRED FURNACE RATED AT 75 MBH LFG INPUT 60 MBH OUTPUT 1236 CFM @ .5" STATIC PRESSURE 1/2 HP 120 VOLT SINGLE PHASE w/ 4 SPEED 4" FILTER, UNIT MANUFACTURED BY GREENHECK FURNACE HIGHWAY MODEL NO. 1HA-75 SECTIONAL UNIT (SEE SPEC.)
- ROOF EXHAUST FAN #1 - BELT - DRIVE ROOF MOUNTED EXHAUST FAN w/ PITCH ROOF CURB RATED @ 314 CFM 3/8" S.P. 1/4 HP MOTOR 1700 RPM WITH FAN HOUSING DISCONNECT SWITCH & MOTORIZED DAMPER, RS MANUFACTURER BY GREENHECK MODEL NO. G8-80-4 (SEE SPEC.)

DIFFUSER, GRILLE & REGISTER SCHEDULE

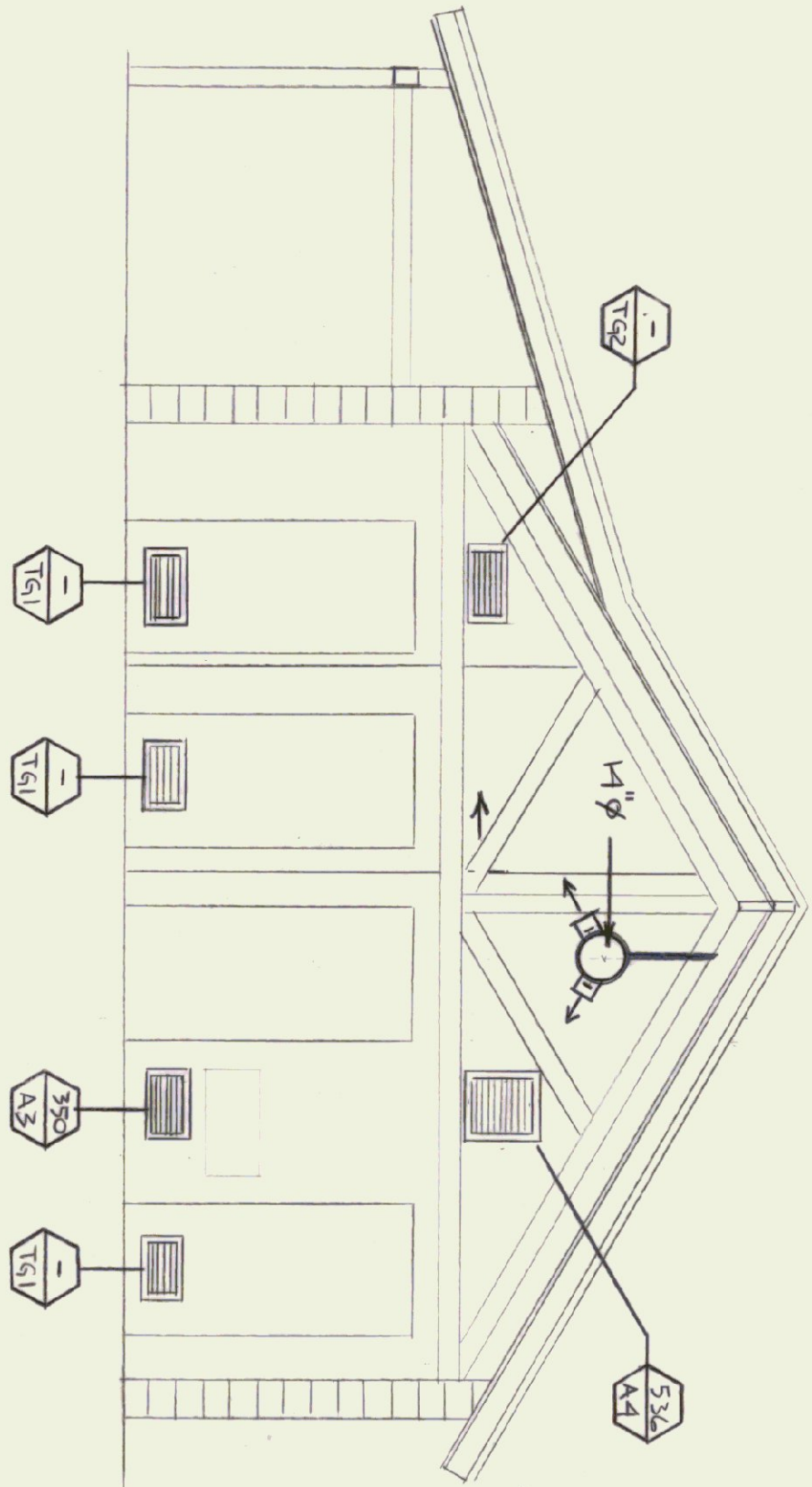
NO.	MAKE AND MODEL NO.	MOUNTING HEIGHT TO CENTER	NECK SIZE	CROSSED BLADE DAMPER	CFM RANGE	AIR PATTERN	REMARKS
A1	TITUS # 33 RL	8'-6"	12" x 8"	YES	100 - 150	36° DEFLEC.	ALL STEEL HEAVY DUTY
A2	# 33 RL	8'-6"	10" x 8"	YES	45 - 92	36° DEFLEC.	
A3	# 30 RL	10"	18" x 8"	YES	350 - 475	0° DEFLEC.	
A4	# 30 RL	9'-6"	18" x 18"	YES	500 - 850	0° DEFLEC.	
D1	# 272 RL	10'-6"	12" x 6"	YES	90 - 195	DOUBLE DEFLECTION ADJUSTABLE	ALUMINUM
D2	# 272 RL	9'-0"	12" x 12"	YES	250 - 400		
D3	# 272 RL	11'-6" 1/2	18" x 6"	YES	170 - 250		
TG1	TRANSFER GRILLE	14"	18" x 8"	1/4		SIGHT ROOF	ALL STEEL FLANGE & BORDER
TG2	# T-700	9'-0"	18" x 8"	1/4		SIGHT ROOF	

NOTE: MOUNTING HEIGHTS NOTED FROM FINISH FLOOR TO CENTER OF GRADE.



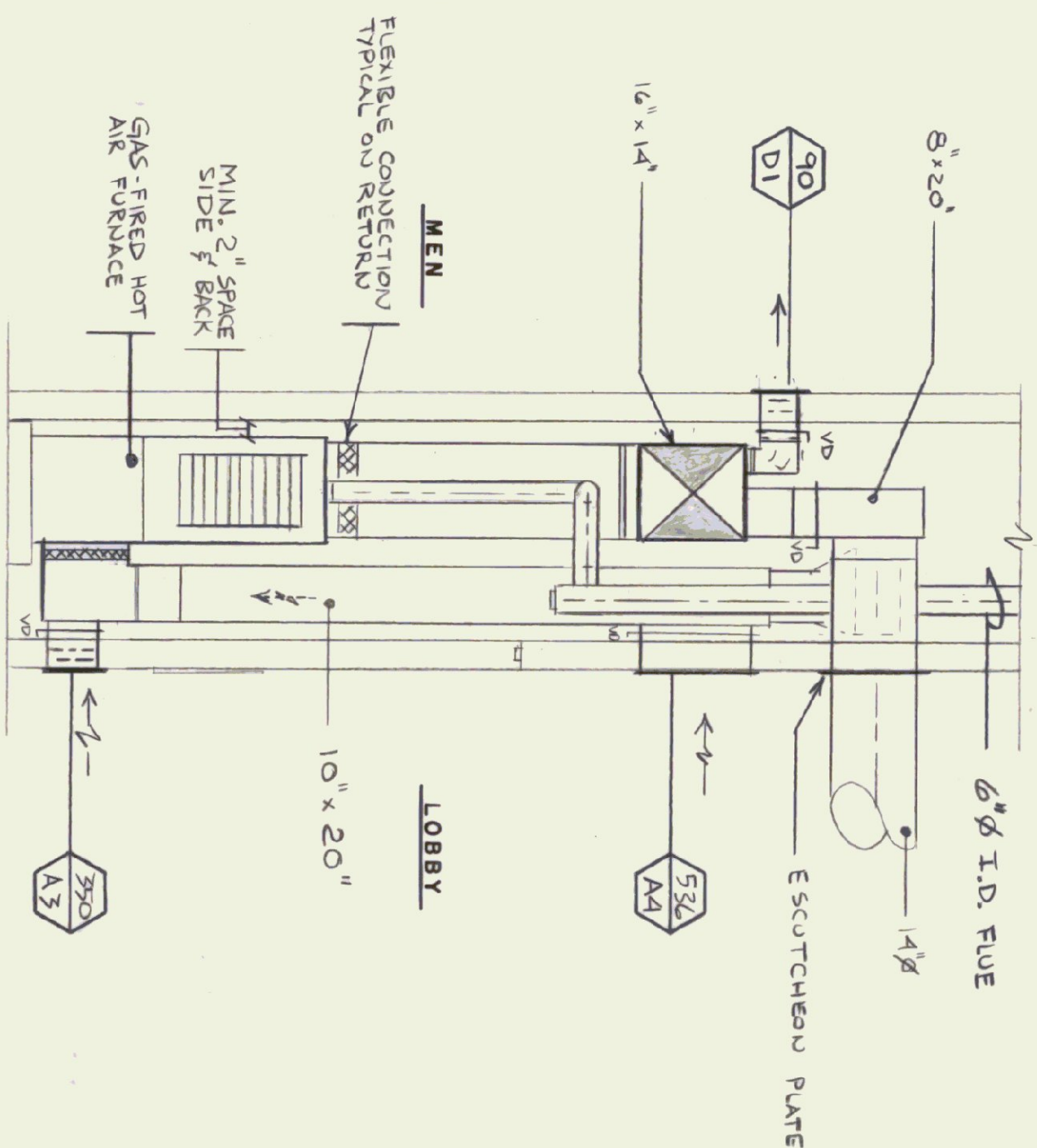
SECTION 'C-C'

SCALE: 1/4" = 1'-0"



SECTION 'A-A'

SCALE: 1/4" = 1'-0"

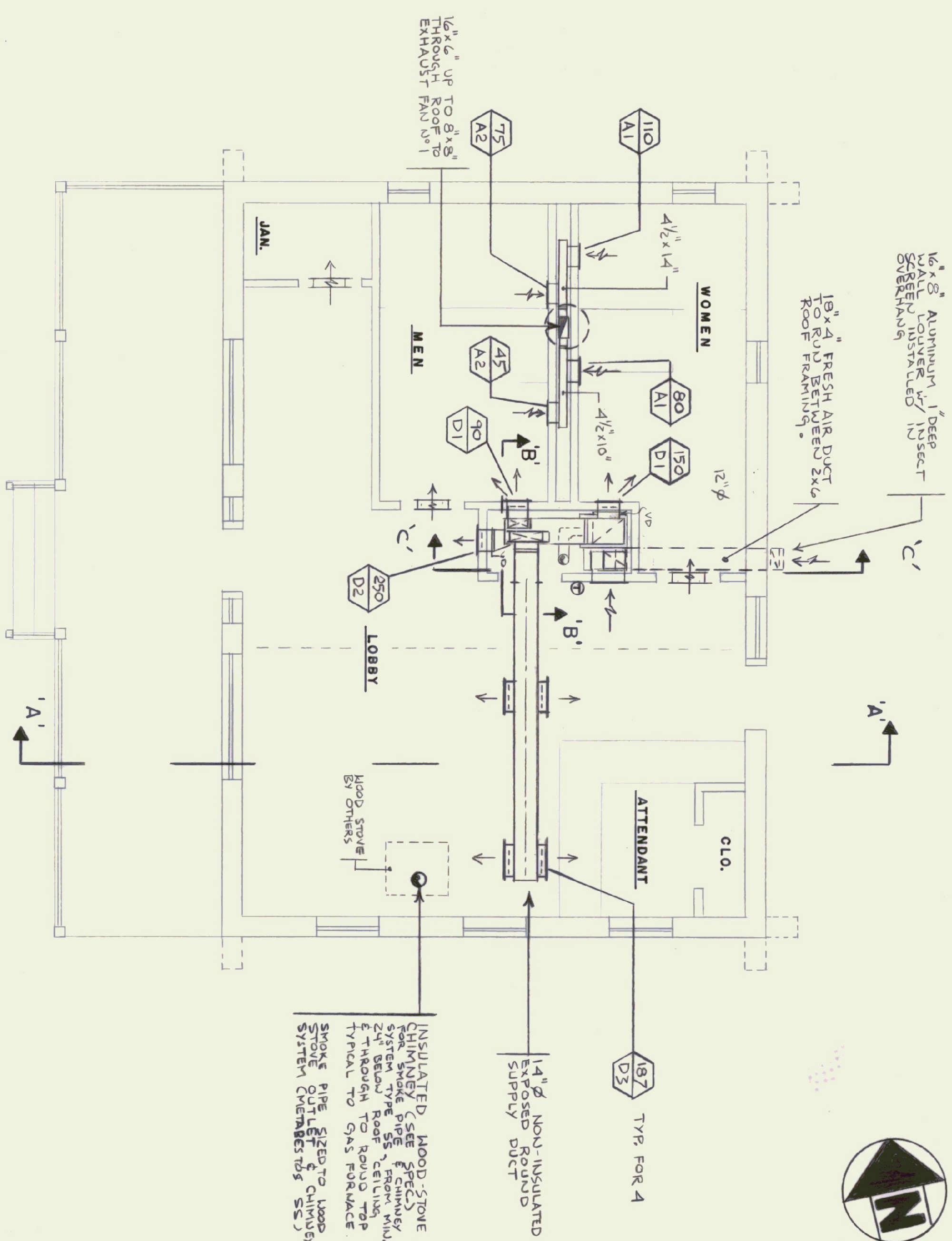


SECTION 'B-B'

SCALE: 1/2" = 1'-0"

HEATING & VENTILATING - FLOOR PLAN

SCALE: 1/4" = 1'-0"



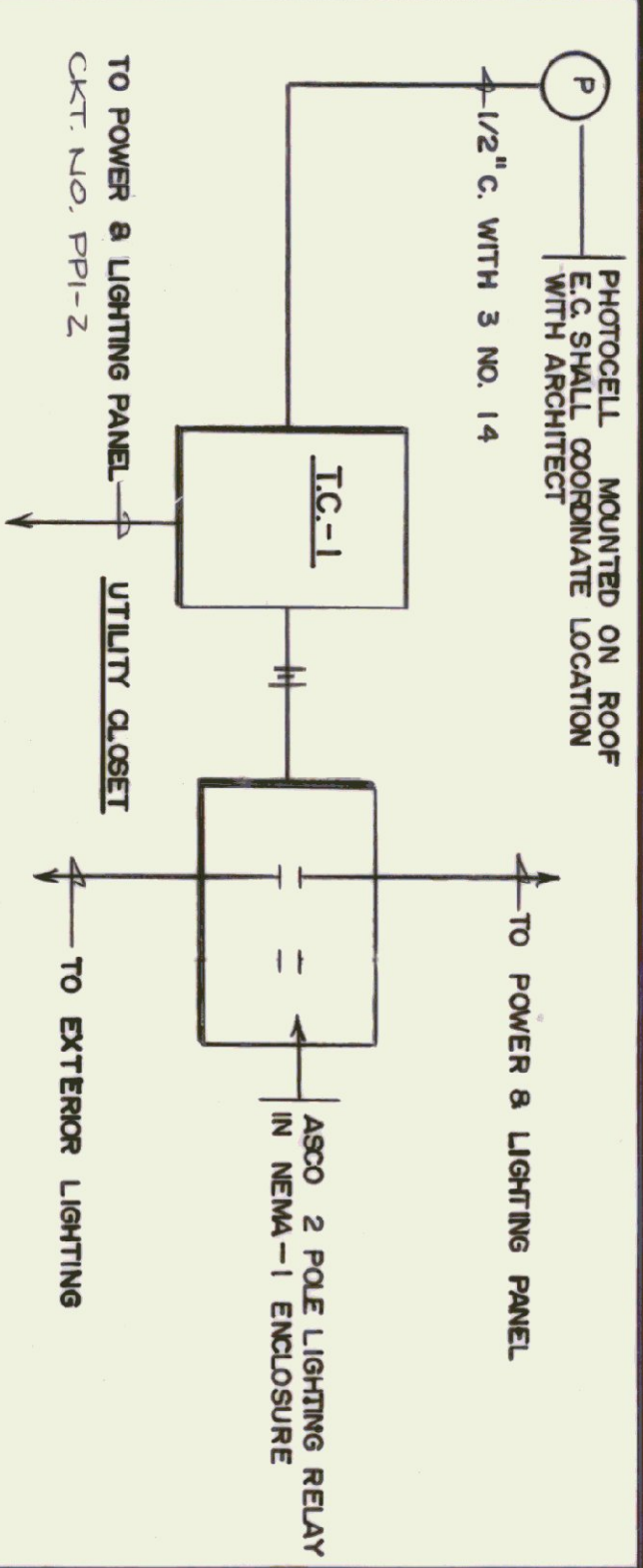
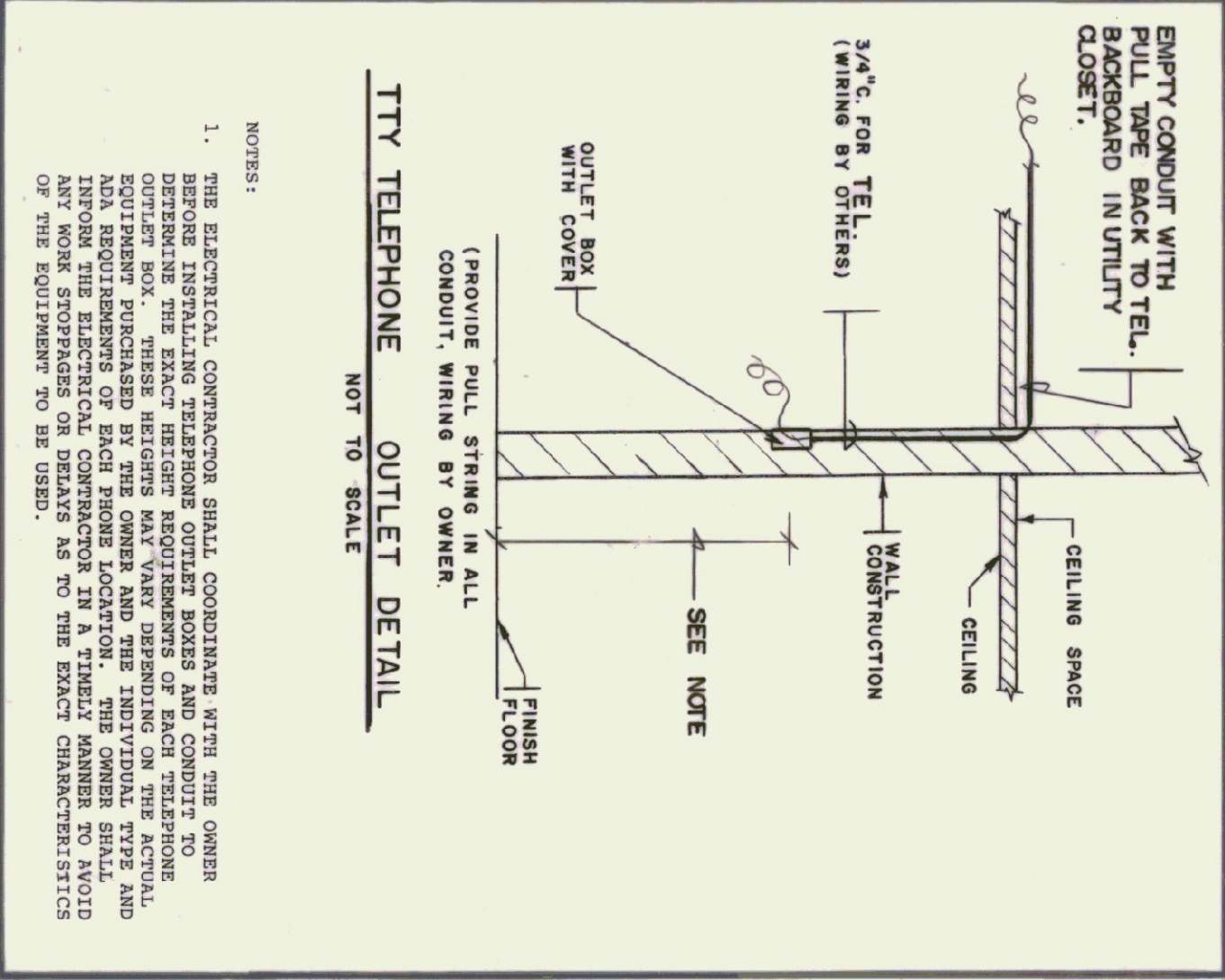
STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
VERMONT
ALBURY WELCOME CENTER

HEATING & VENTILATING - FLOOR PLAN, LEGEND, SECTIONS & NOTES
DATE: 3-19-75
SCALE: AS NOTED
PROJECT NO.: NH 028-1(775)
DRAWN BY: K.A.
REVISIONS: 5-16-76
DWG. NO.: HV-1
12 OF 21

ELECTRICAL LEGEND	
SYMBOLS USED ARE INDICATED BY A CHECK	
✓	① JUNCTION BOX
✓	② SINGLE RECEPTACLE 18" A.F.F.
✓	③ DUPLEX RECEPTACLE 18" A.F.F.
✓	④ TRACK LIGHT RECEPTACLE 36" A.F.F.
✓	⑤ TRACK LIGHT HEAD
✓	⑥ POWER PANEL
✓	⑦ FIRE-O-MATIC
✓	⑧ TELEPHONE OUTLET 18" A.F.F.
✓	⑨ MOTOR STARTER
✓	⑩ DISCONNECT
✓	⑪ FREE HORN & LIGHT
✓	⑫ TRANSFORMER
✓	⑬ HOME RUN TO PANEL P (MIN. 3/4" CONDUIT)
✓	⑭ CONDUIT TURNING UP
✓	⑮ CONDUIT TURNER UP
✓	⑯ EXIT LIGHT
✓	⑰ FLUORESCENT LIGHT
✓	⑱ BATTERY POWERED EMERGENCY LIGHT
✓	⑲ POINT OF [N] ELEC. CONNECTION TO [E]
✓	⑳ NEW
✓	㉑ EXISTING
✓	㉒ SINGLE POLE SWITCH 48" A.F.F.
✓	㉓ THREE-WAY SWITCH 48" A.F.F.
✓	㉔ A.F.F. ABOVE FINISHED FLOOR
✓	㉕ A.F.F. ABOVE FINISHED COUNTER
✓	㉖ INCANDESCENT CEILING LIGHT
✓	㉗ NIGHT LIGHT
✓	㉘ DUPLEX RECEPTACLE IN FLOOR
✓	㉙ CLOCK OUTLET 7'-0" A.F.F.
✓	㉚ SM- MOTOR THERMAL SWITCH
✓	㉛ AHU- AIRHANDLING UNIT
✓	㉜ TTY TELEPHONE OUTLET
✓	㉝ COMPUTER OUTLET 18" A.F.F.

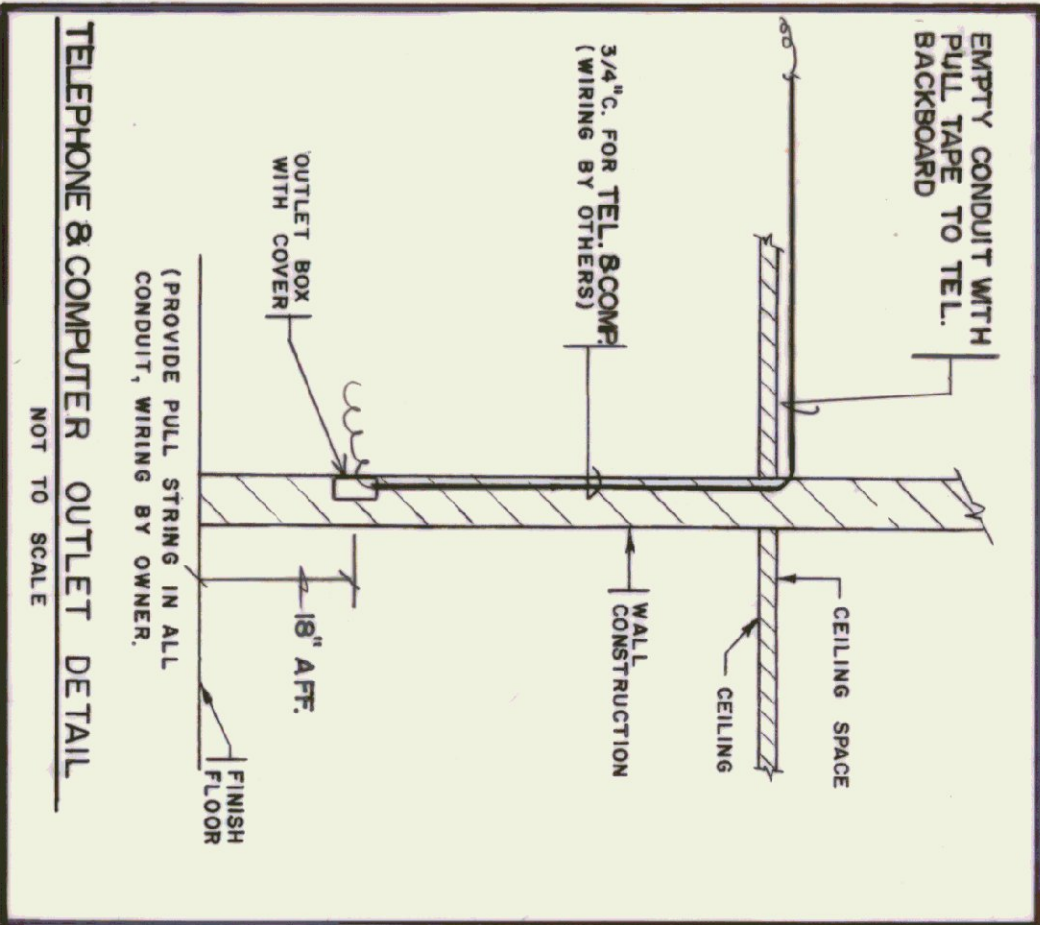
LIGHTING FIXTURE SCHEDULE					
TYPE	MANUFACTURER	LAMPS	MOUNTING	FINISH	REMARKS
	B DESCRIPTION	WATT. TYPE			
A	DAY-LITE VANDAL PROOF NO. VPR-540-VR PROVIDE MOUNTING STEMS OR AIRCRAFT CABLE	2-32 F-32 FIXTURES 9'-0" R.S. AFF. MINIMUM	SUSPENDED TO TOP OF CEILING	WHITE	PROVIDE TAMPERPROOF SCREWS
B	LOBBY PROGRESS NO. PS117-45	1-100 A-19 100W	SUSPENDED BOTTOM OF 9'-0" AFF.	GREEN SHADE POLISHED BRASS	
C	PORCH WALL LUMINAIRE PROGRESS NO. P5850-11	1-100 A-19 100W	WALL 7'-6" AFF.	BRASS	PROVIDE TAMPERPROOF SCREWS
D	TRACK LIGHTING PROGRESS NO. P6254-10	75 PAR6	CEILING & WALL	BRASS	PROVIDE BRASS TRACKS (2) 8" & (1) 2
E	EXIT SIGN FAIL SAFE NO. EXF-1-RW-120-EBP	2-9 9W P.L. BLAX	SURFACE COORDINATE WITH ARCH.	WHITE WITH RED LETTERS	INTERIOR EMER. EXIT TRACK & TAMPERPROOF SCREWS
F	CLOSET LIGHT FAILSAFE NO. FBO-14-120	2-7 7W P.L. BLAX	WALL 7'-0" AFF.	OPAL/WHITE	
G					
H					

PANELBOARD SCHEDULE					
PANEL	BRANCH BREAKERS		DESCRIPTION	BUS	MTG. REMARKS
	QTY.	FRAME TRIP	POLES		
PPI	2	100	20	1	RECEPTACLES 100 A 2 P. 120/208
	3	100	20	1	INTERIOR LIGHTING
	3	100	20	1	MECHANICAL EQUIP.
	7	100	20	1	SPARES
	1	100	100	2	MAIN BREAKER



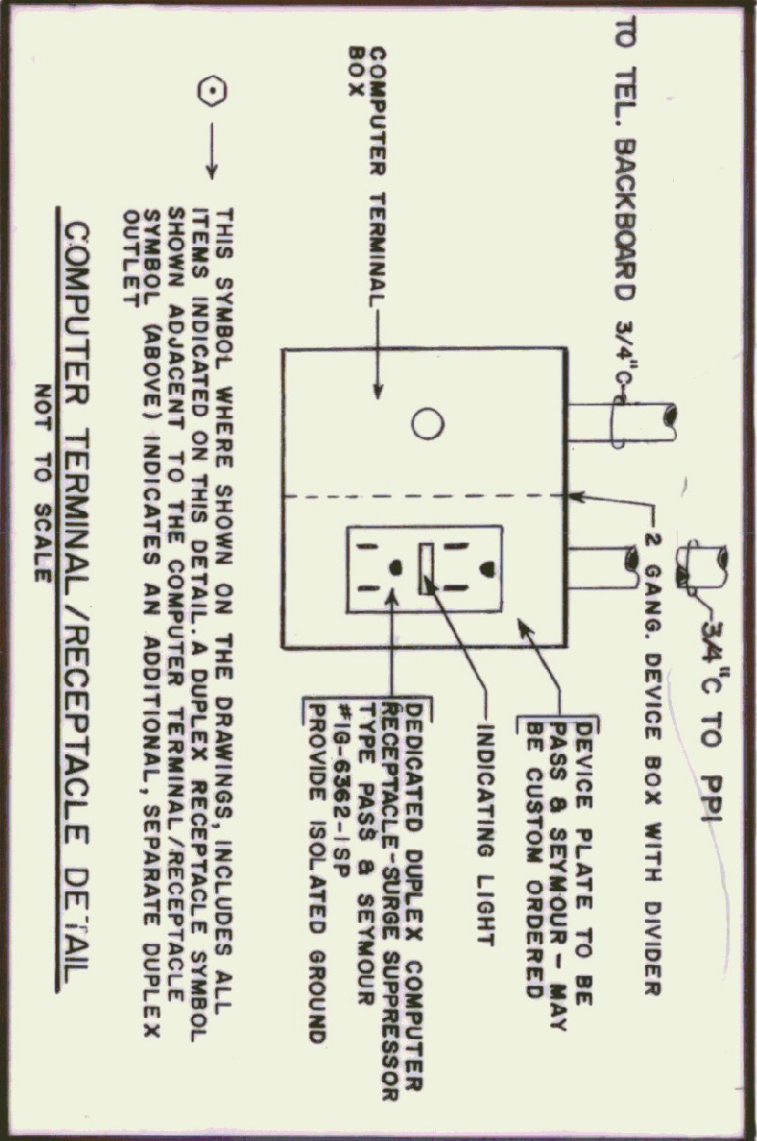
TIMECLOCK T.C.-1 DETAIL -EXTERIOR LIGHTING

NOT TO SCALE



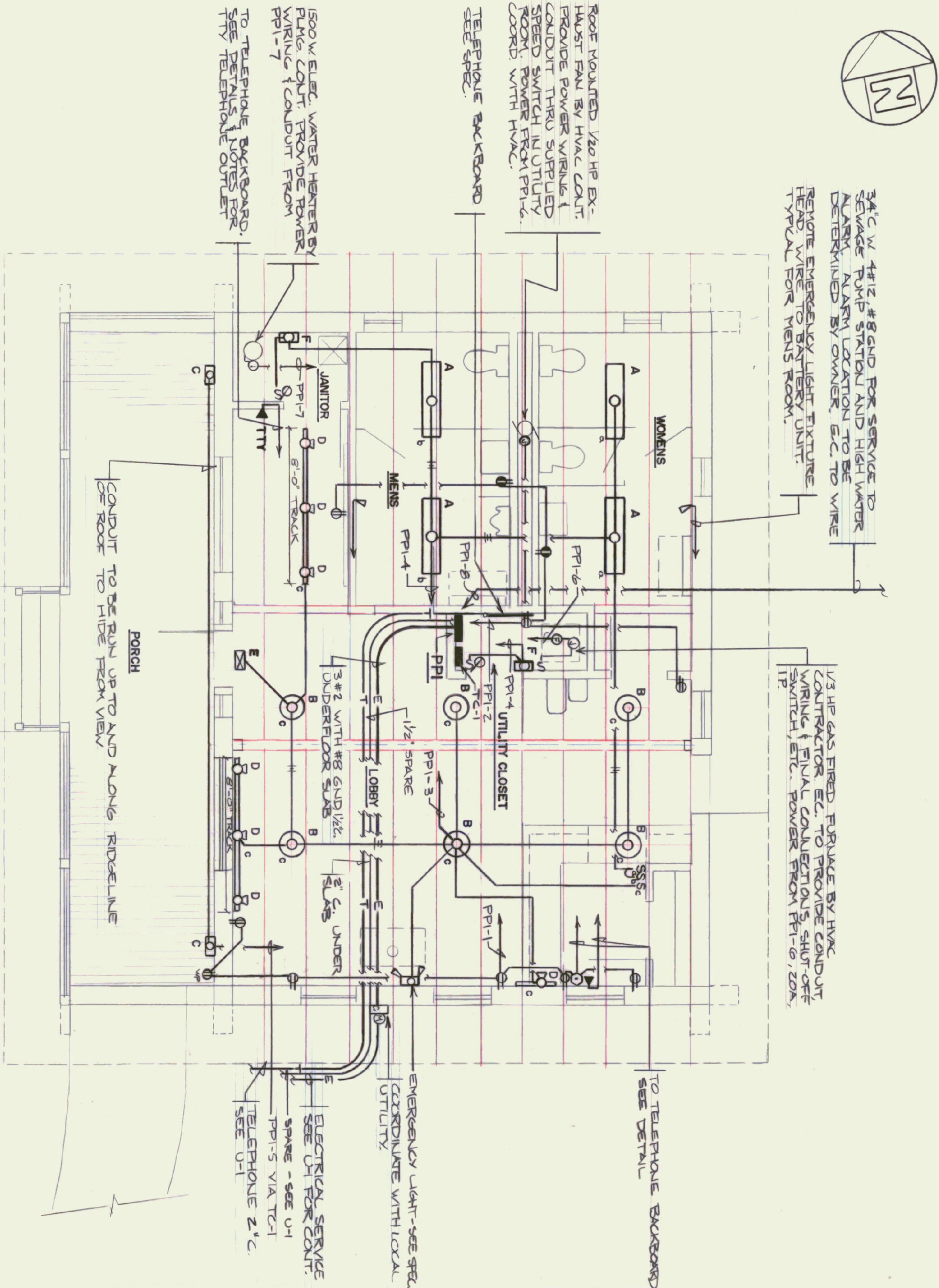
TELEPHONE & COMPUTER OUTLET DETAIL

NOT TO SCALE



COMPUTER TERMINAL/RECEPTACLE DETAIL

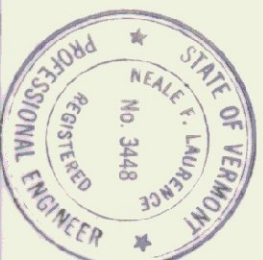
NOT TO SCALE



ELECTRICAL — FLOOR PLAN

SCALE : 1/4" = 1'-0"

- NOTES:
1. HVAC DUCT TO COORD WITH ELEC. DUCT TO LOCATE RECEPTACLES CONDUIT PANEL BELOW.
 2. ALL CONDUITS SHALL BE CONDUIT RATED VARIETY POSSIBLE UNDER FLOOR STRIPS WHERE NOT POSSIBLE, 1\"/>



STATE OF VERMONT	
DEPARTMENT OF STATE BUILDINGS	
AGENCY OF ADMINISTRATION	
VERMONT	
ALBURG WELCOME CENTER	
ALBURG	
ELECTRICAL - FLOOR PLAN	
LEGEND, SCHEDULES & DETAILS	
DATE: 3-19-76	SCALE: AS NOTED
DRAWN BY: GN	PROJECT NO. MH028-1172S
REVISIONS: 5-14-76	DWG NO. E-1
	13 OF 21

TEST PITS

TEST PIT #1		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-45"	Fine sand/silt loam; mottles @ 18", saturated @ 32"; monitor installed
TEST PIT #2		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-46"	Fine sandy loam w/some silt; mottles @ 18", saturated @ 36"; monitor installed
TEST PIT #3		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-42"	Silty loam; mottles @ 23-24", saturated @ 32"
TEST PIT #4		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-36"	Fine sandy loam; no apparent mottles
TEST PIT #5		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-45"	Fine sandy loam; mottles @ 30"
TEST PIT #6		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-40"	Fine sandy loam; no apparent mottles, one of best holes
TEST PIT #7		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-43"	Fine sandy loam w/small stones; no apparent mottles, good hole
TEST PIT #8		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-42"	Fine sandy loam; distinct mottles @ 32"
TEST PIT #9		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-46"	Fine sandy loam w/many pcs. of small shale; no apparent mottles
TEST PIT #10		
HORIZON	DEPTHS	SOL, MOTTLES, WATER, & COMMENTS
A	0-12"	Dark brown topsoil
B	12-42"	Silty & fine sandy loam w/some pcs. of fractured shale

PERCOLATION TEST

TEST #1: Percolation rate - 15 minutes/inch
TEST #2: Percolation rate - 19 minutes/inch

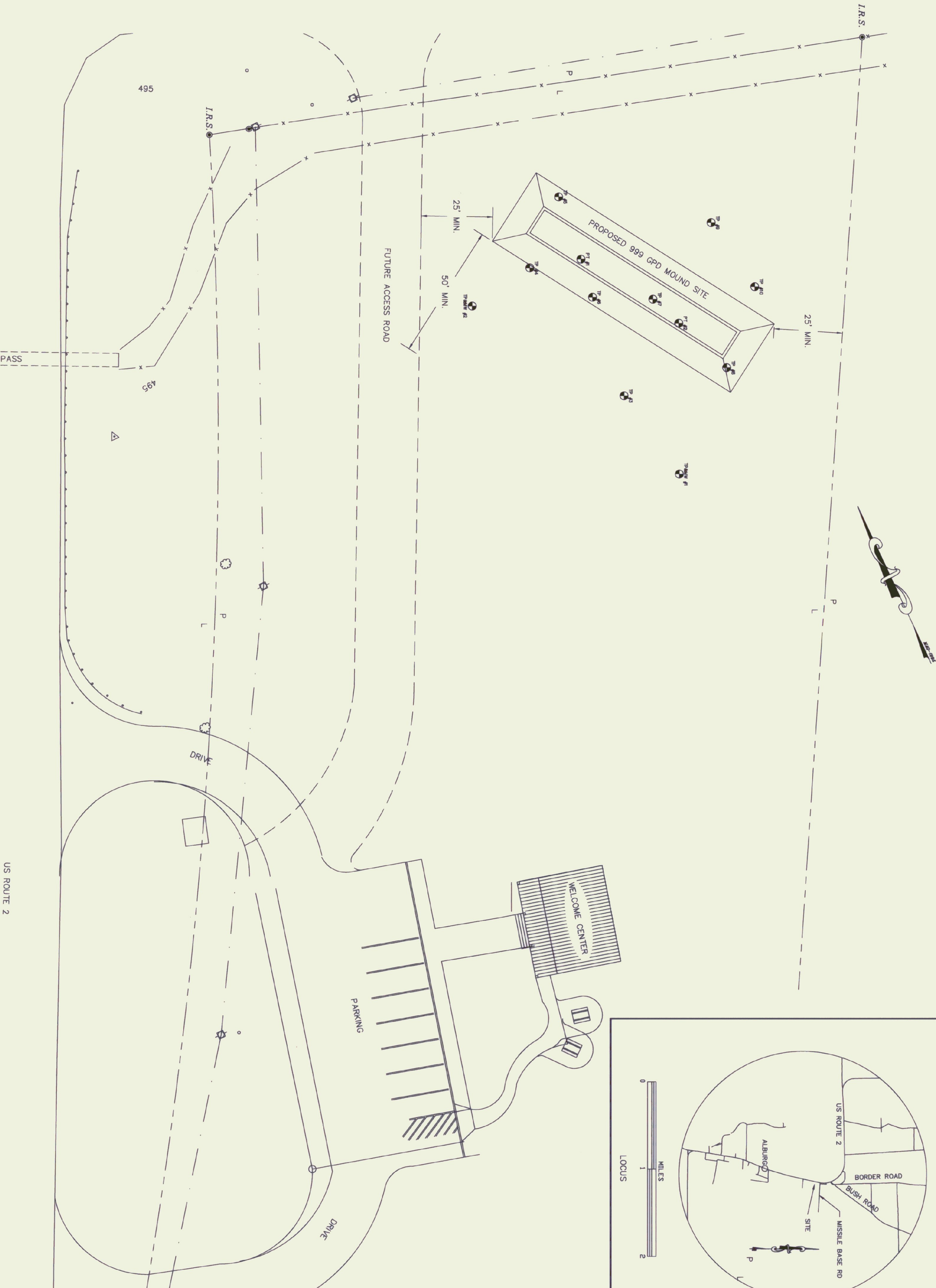
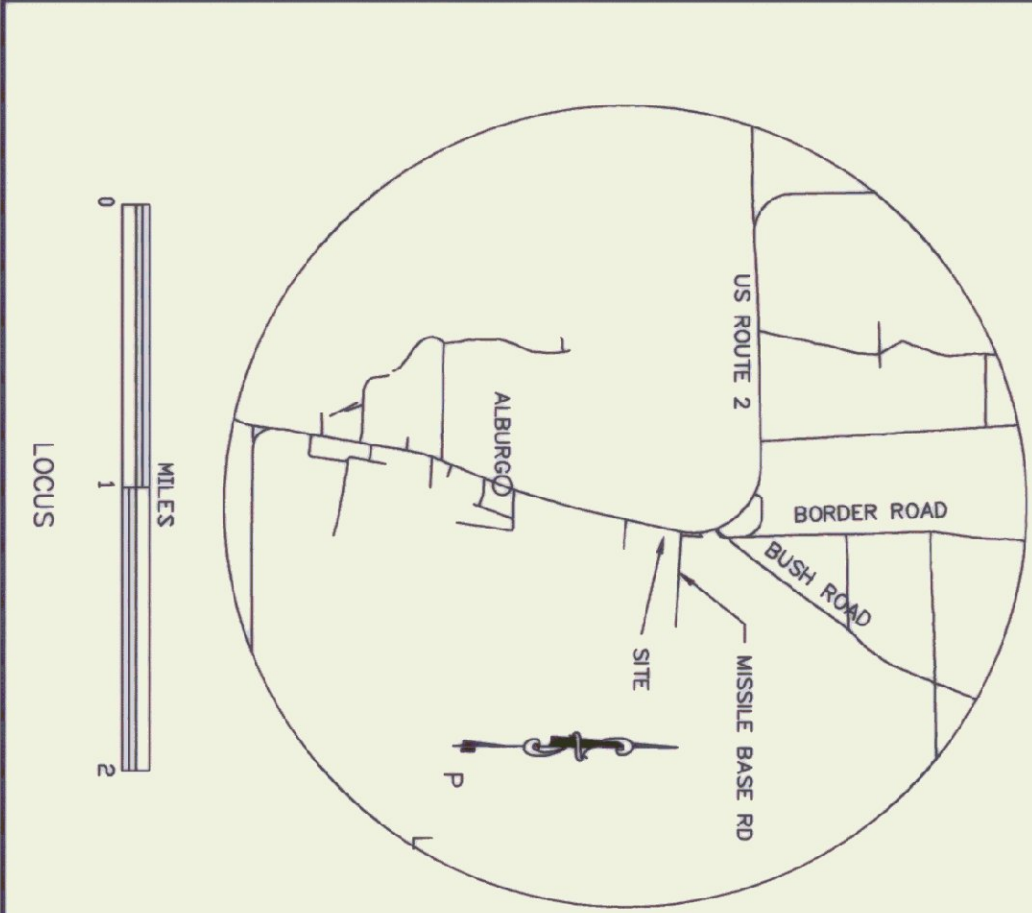
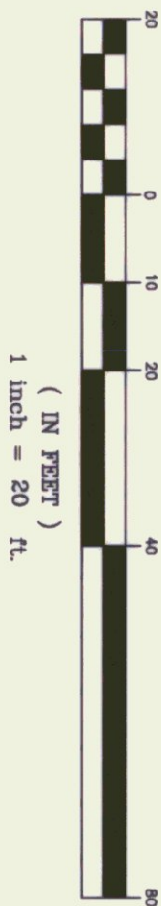
MONITORING WELLS

Monitoring wells #1 and #2 were checked once each week beginning March 1, 1995. As of April 28, 1995, well #1 has been dry at depth 45". Highest water level observed in well #2 was 41" on March 24, 1995. Both holes were dry on June 23, 1995.

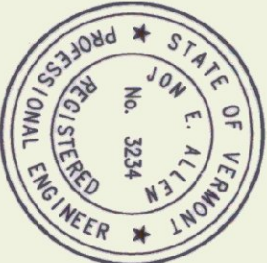
LEGEND

- I.R.S.
- PROPERTY LINE
- - - POWER LINE
- - - PROPERTY LINE & FENCE
- x - CATTLE FENCE
- ⋈ UTILITY POLE

GRAPHIC SCALE



Jon E. Allen

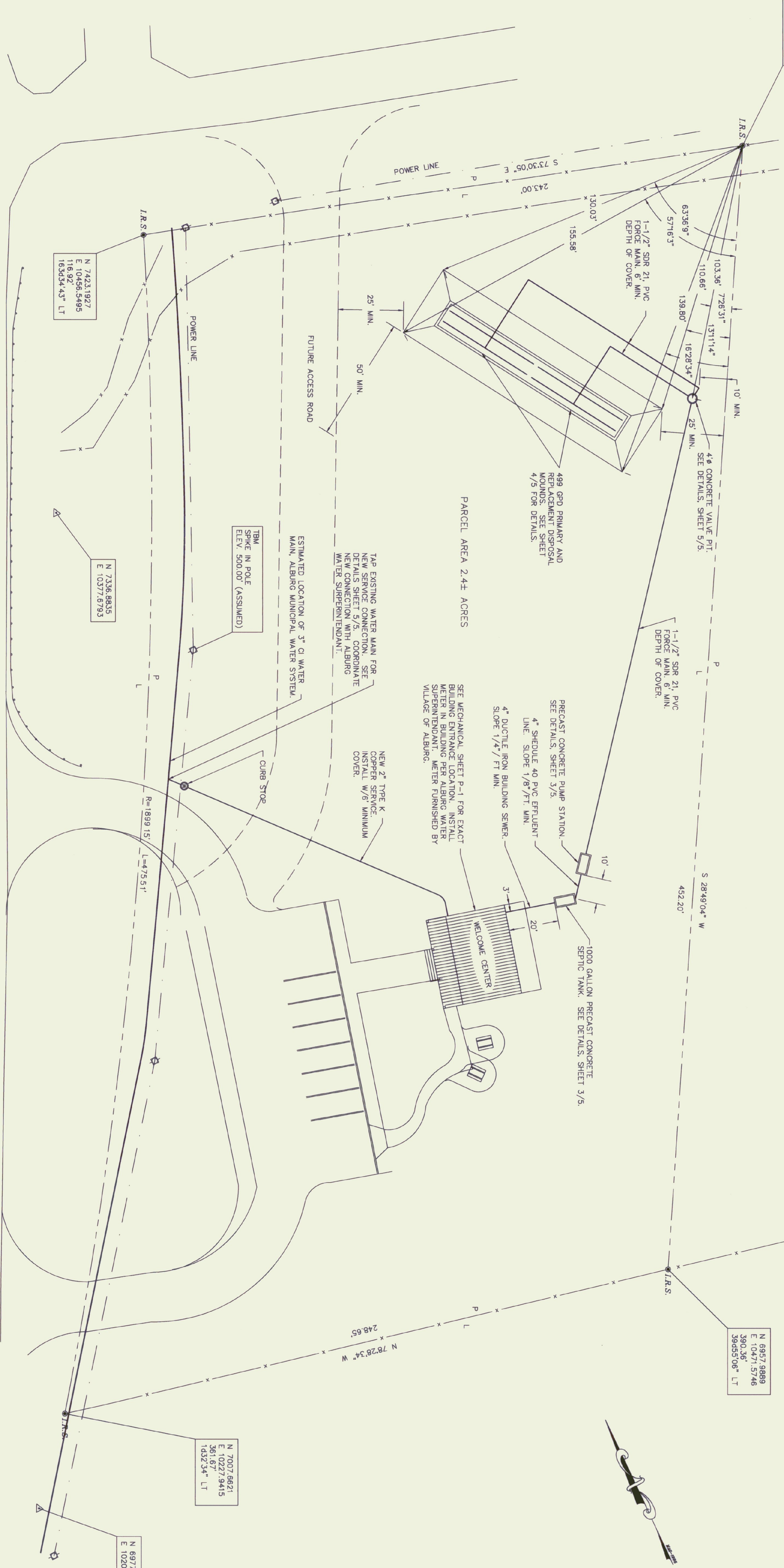


7	4/26/96	CHANGED MOUND ISOLATION DIMS.	JEA	GAK
6	4/26/96	MODIFIED FUTURE ACCESS ROAD	JEA	GAK
5	4/26/96	ADDED SHEET NO. TO TITLE BLOCK	JEA	GAK
4	6/23/95	ADDED TO MONITORING WELLS TEXT	JEA	GAK
3	6/23/95	ADDED SCALE	JEA	GAK
2	6/8/95	ADDED LOCATION MAP	JEA	GAK
1	6/8/95	ADDED LEGEND	JEA	GAK

REV.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

DRAWN	JEA	VERMONT SURVEY and ENGINEERING, INC.	PROJECT NO.	11295
SCALE	1" = 20.00'	58 EAST STATE STREET • MONTPELIER, VERMONT • 05602	DRAWING NO.	1/5
			SHEET NO.	14/21

N 7354.1830
E 10689.5445
312.34'
119410.30" LT



N 6957.9889
E 10471.5746
390.36'
39455.06" LT

N 7007.6621
E 10227.9415
361.67'
1432.34" LT

N 6977.5725
E 10202.4313

N 7423.1927
E 10456.5495
116.92'
163434.43" LT

N 7336.8835
E 10377.6793

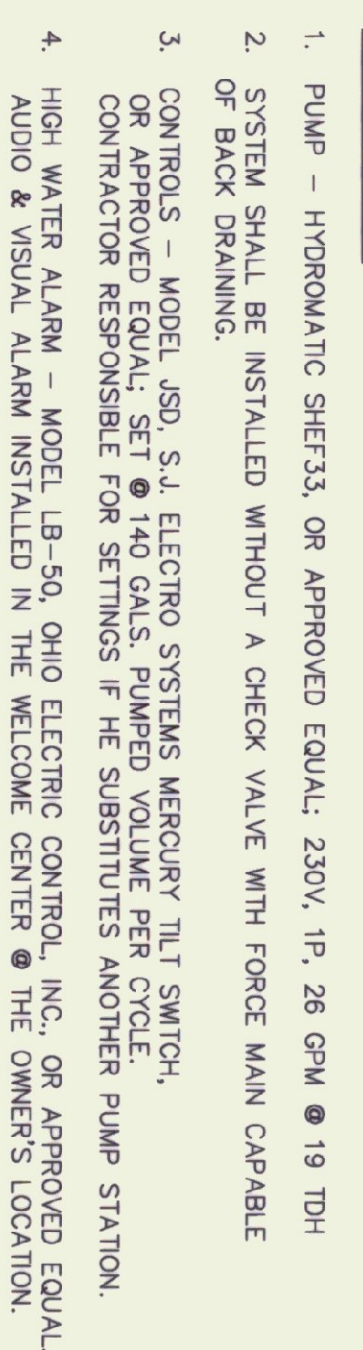
- | | | | | |
|---|---------|---------------------------------|-----|-----|
| 9 | 4/26/96 | CHANGED WATER SERVICELINE TO 2" | JEA | GAK |
| 8 | 4/26/96 | CHANGED BUILDING WATERLINE | JEA | GAK |
| 7 | 4/26/96 | CHANGED BUILDING NOTE | JEA | GAK |
| 6 | 4/26/96 | CHANGED BUILDING WATERLINE | JEA | GAK |
| 5 | 4/26/96 | ADDED MOUND LAYOUT DIMENSIONS | JEA | GAK |
| 4 | 4/26/96 | MODIFIED FUTURE ACCESS ROAD | JEA | GAK |
| 3 | 6/23/95 | ADDED SHEET NO. TO TITLE BLOCK | JEA | GAK |
| 2 | 6/22/95 | ADDED PARCEL AREA | JEA | GAK |
| 1 | 6/7/95 | ADDED P/L COURSE AND DISTANCE | JEA | GAK |

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft

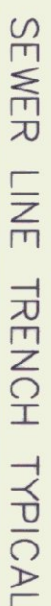
Jon E. Allen



REV. NO.	DATE	DESCRIPTION	DATE BY	CHECKED BY	APPROVED BY
		ALBURG, WELCOME CENTER ALBURG, VERMONT SEWAGE DISPOSAL SYSTEM PLAN NH 028-1(17)5			
GRAPH	JEA	VERMONT SURVEY and ENGINEERING, INC. 50 EAST STATE STREET • MONTPELIER, VERMONT • 05602	PROJECT NO. 11295		
SCALE 1" = 20.00'		SUBMITTED JON E. ALLEN	DATE 5/17/95	DRAWING NO. 2/5	
				SHEET NO. 15/21	



NOT TO SCALE



NOT TO SCALE

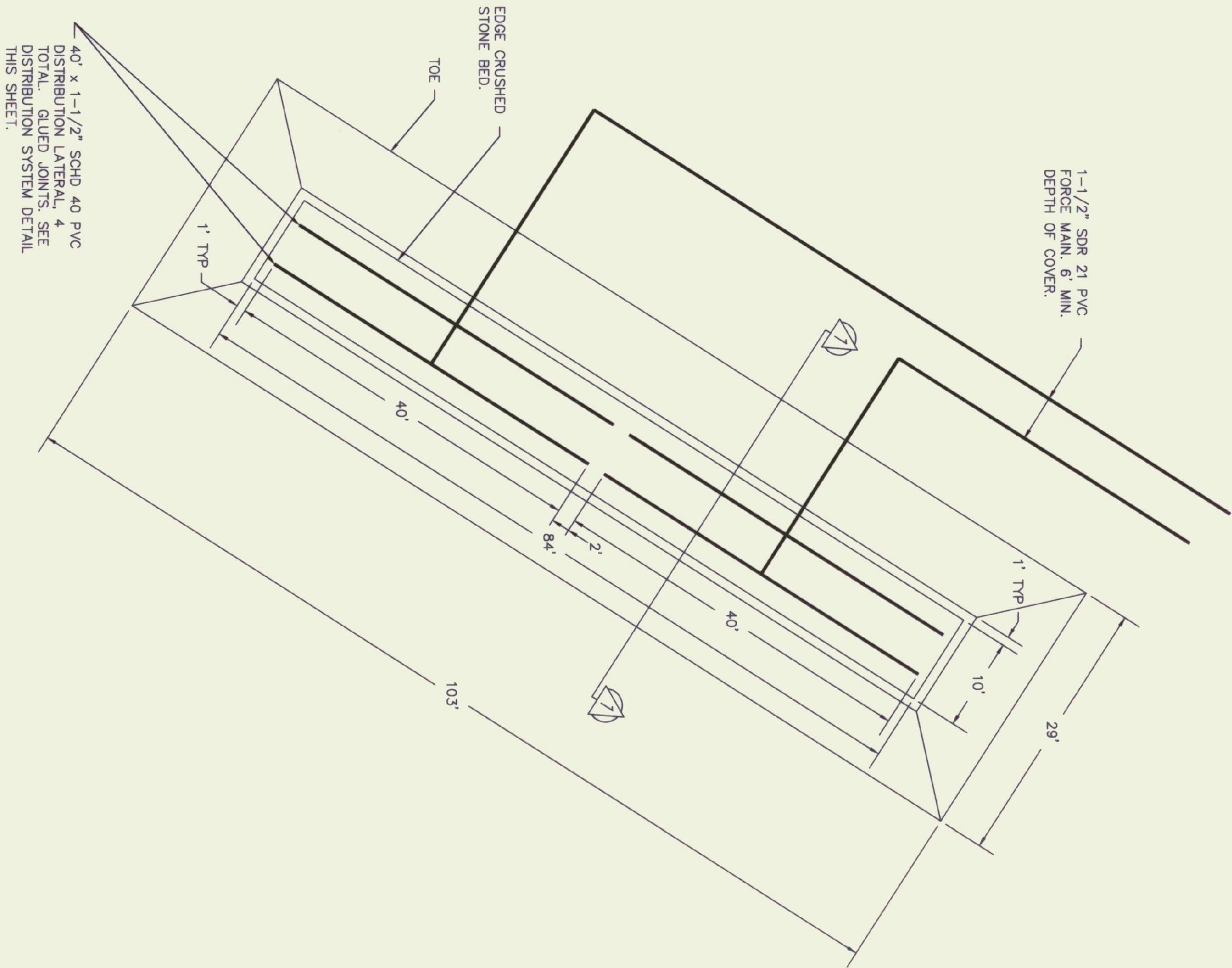
NOT TO SCALE

1. PRE-CAST REINFORCED CONCRETE – 4000 PSI @ 28 DAYS.
2. 1000 GALLON, TWO COMPARTMENT DESIGN.
3. INLET Baffle AND OUTLET CHAMBER PRE-CAST WITH TOP SECTION OF TANK.
4. KEED JOINT SEALED WITH ASPHALT CEMENT OR EQUIVALENT.
5. PRIOR TO INSTALLATION, PLUG FROST HOLES WITH GROUT.

CONSTRUCTION SPECIFICATIONS

- THE PROJECT:**
- Provide, construct, test, and set operating a complete sewage disposal system including septic tank, pump station, disposal mound, interconnecting piping, pump, power and controls, and high-water alarm, all as shown on the Plans, specified herein, and directed by the Engineer.
- Connect to the Alburt Village water system and construct a water service line to the Visitors Center as shown on the Plan and Details. Coordinate service connection with the Alburt water superintendent. Install water meter in the Visitors Center building as designed on the water superintendent. Meter will be provided by Alburt Village. Connection fee will be paid by the State of Vermont.
- MATERIALS AND EQUIPMENT:**
- | | | |
|----|--|--------|
| 1. | 1-1/2" Crushed Stone for disposal mound | |
| | VAOT 704.02 COARSE AGGREGATE FOR CONCRETE. | |
| | Sieve Designation: 1-3/4" | 1-1/2" |
| | % Passing 100 | 90-100 |
| | | 20-55 |
| | | 0-15 |
| | | 0-5 |
| | | 3/8" |
| 2. | Sand for disposal mound: | |
| | Sieve Designation: 10 | 40 |
| | % Passing 85 | 30-50 |
| | | 5-10 |
- 4. Septic Tank:**
- 1000 gallon; 4000 psi precast concrete; two compartment; Camp Precast 1000 Standard or approved equal. Frost holes shall be properly plugged with grout prior to installation. Ledge tank may be substituted with Engineers approval.
- 4. Pump Station:**
1. Vault - 1000 gallon precast, seamless concrete; Camp Precast or approved equal. Frost holes shall be properly plugged with grout prior to installation.
2. Pump - Hydromatic SHEFF3 Effluent Pump or approved equal, 28 gpm @ 19 ft. TDH.
3. Pump Controls - Model JSD, S.A. Electro Systems mercury tilt switch, or approved equal. Control set for a 140 gallon pumped volume per cycle. Control level settings given on the Pump Station Detail of the drawings are for this pump station only. Contractor is responsible for settings if he substitutes another pump station.
4. High Water Alarm - Model LB-50, Onic Electric Control, INC., or approved equal. Audio & visual alarm installed in the Visitor's Center at owner's location.

REV. NO.	DATE	DESCRIPTION	MADE BY	DESIGNED BY	APPROVED BY
		ALBURG- WELCOME CENTER ALBURG, VERMONT SEWAGE DISPOSAL SYSTEM DETAILS NH 028-11175			
DRAWN JEA		VERMONT SURVEY and ENGINEERING, INC. SURVEYORS and CIVIL ENGINEERS 58 EAST STATE STREET - MONTPELIER, VERMONT - 05602		PROJECT NO. 11295	
SCALE AS INDICATED		SUBMITTED JON E. ALLEN	DATE 5/17/95	DRAWING NO. 3/5	SHEET NO. 16/21

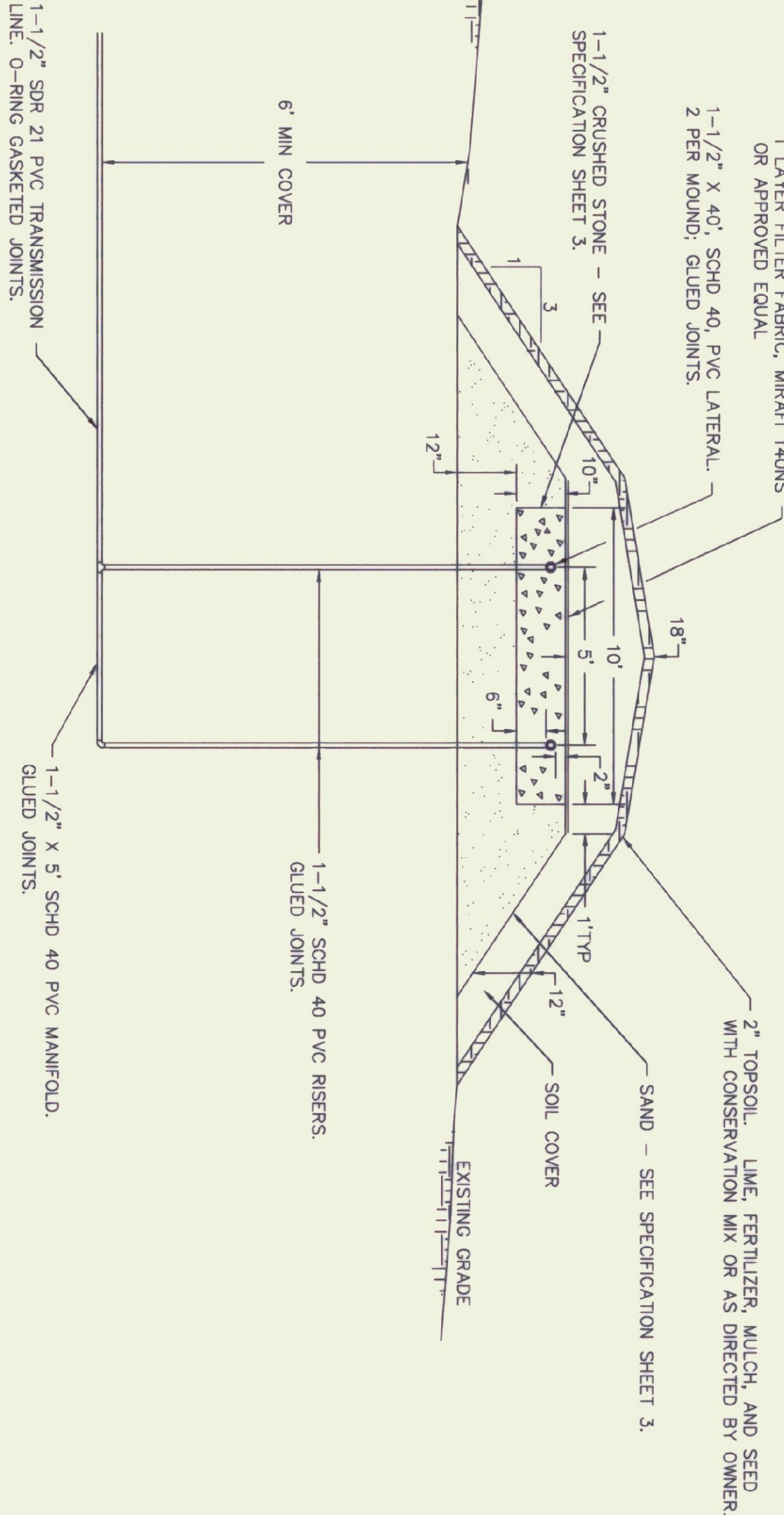


DISPOSAL MOUND DETAIL PLAN

SCALE: 1" = 100'

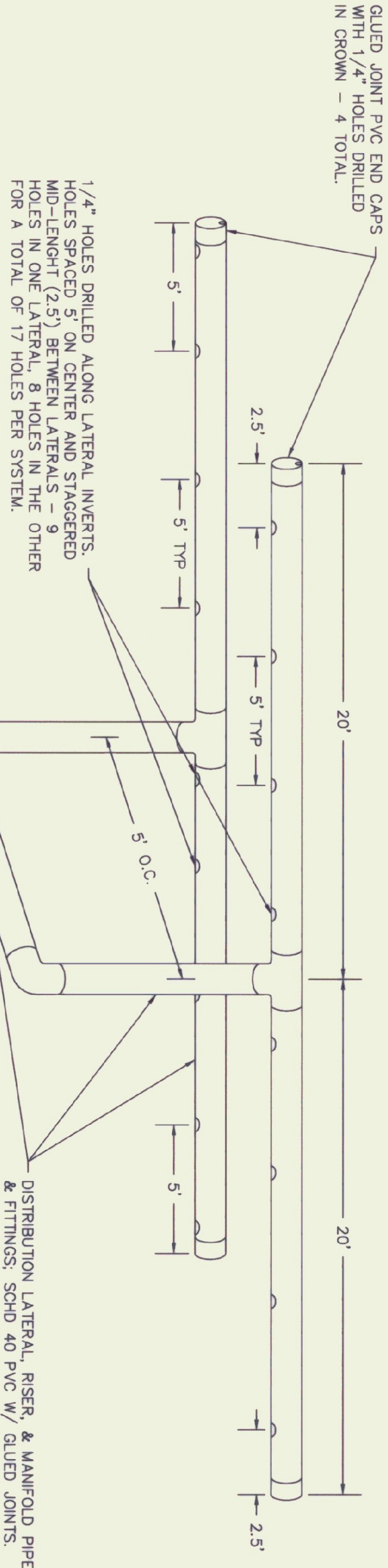
1. To prevent compaction, construction equipment shall not be moved across the disposal area. The disposal area shall be covered with a minimum of six (6) inches of sand fill over the plowed area. Construction equipment may be driven over the protected surface to expedite construction. Construction and/or plowing shall not be initiated when the soil moisture content is high. (If a sample of soil obtained from approximately nine (9) inches below the surface can be easily rolled in a wire, the soil moisture content is too high for construction purposes.)
2. Above-ground vegetation shall be closely cut and removed from the ground surface throughout the area to be utilized for the placement of the fill material. Prior to plowing, the dosing pump discharge line from the pump chamber to the point of connection with the distribution piping header shall be installed. The area shall then be plowed to a depth of seven (7) to eight (8) inches parallel to the land contour with the plow throwing the soil up-slope to provide a proper interface between the fill and natural soils. Tree stumps shall be removed from the disposal area. The ground and rocks should not be pulled. Once plowing of the disposal area is completed, the area shall be fenced to prevent vehicles and equipment from entering the plowed area.
3. The area surrounding the mound shall be graded to provide diversion of surface run-off waters.
4. Construction should be initiated immediately after preparation of the soil interface by placing all of the sand fill needed for the mound to a minimum depth of twenty-one (21) inches above the plowed surface (thirty-three (33) inches where cranked bedrock is the limiting layer). This depth will permit excavation of trenches or bed to be made in the disposal area. (If a sample of soil obtained from the disposal area is easily rolled in a wire, the soil moisture content is too high for construction purposes.) After hand leveling of the distribution piping, the stone shall be placed into the trench, hand leveled and the distribution pipe installed. The consultant shall direct the testing of the distribution system. After installation of the distribution system, the entire mound is to be covered with top soil native to the site, or of similar characteristics to support vegetation found in the area. Crown the entire mound with cover of soil less permeable than the mound fill, covering with 12" on the side slopes and 4" on the top. The mound shall be covered with a minimum of 18" of topsoil. Native soil from the site is normally suitable for cover material, though the top 2" - 4" of this cover should be top soil. The entire mound shall be seeded, sodded, or otherwise provided with vegetative cover, to assure stability of the installation.

DISPOSAL MOUND CONSTRUCTION REQUIREMENTS
IN CONFORMANCE WITH EPR 7.14E6



DISPOSAL MOUND DETAIL SECTION 1

SCALE:
HORIZONTAL - 1" = 4.0'
VERTICAL - 1" = 2.0'



DISPOSAL MOUND DISTRIBUTION PIPING

SCALE: NONE

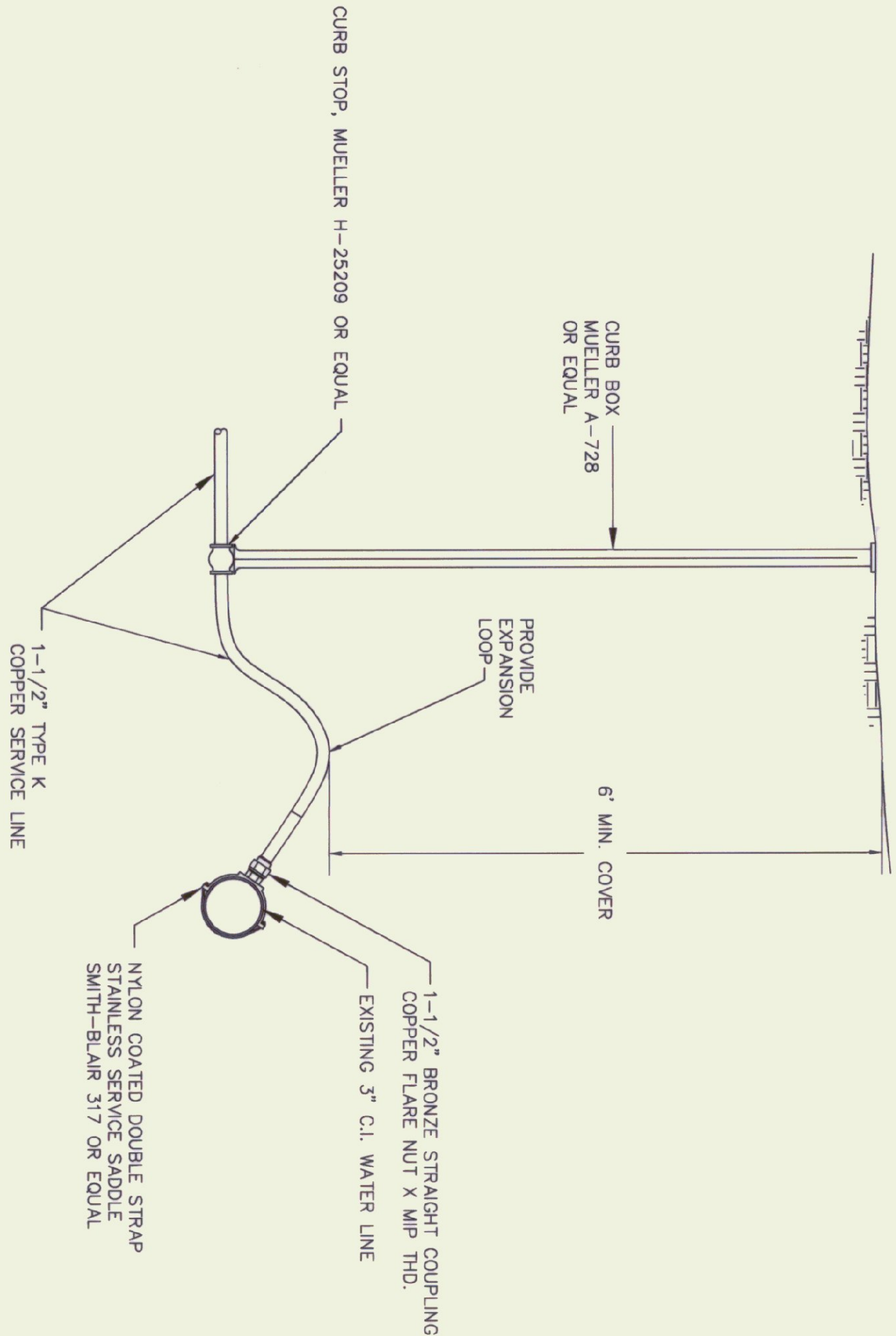
- 2 4/26/96 ADDED SHEET NO. TO TITLE BLOCK JEA GAK
- 1 6/23/95 ADDED MOUND CONSTRUCTION NOTES JEA GAK

ALBURG WELCOME CENTER
ALBURG, VERMONT

SEWAGE DISPOSAL SYSTEM
DISPOSAL MOUND DETAILS
NH 028-1(17)5

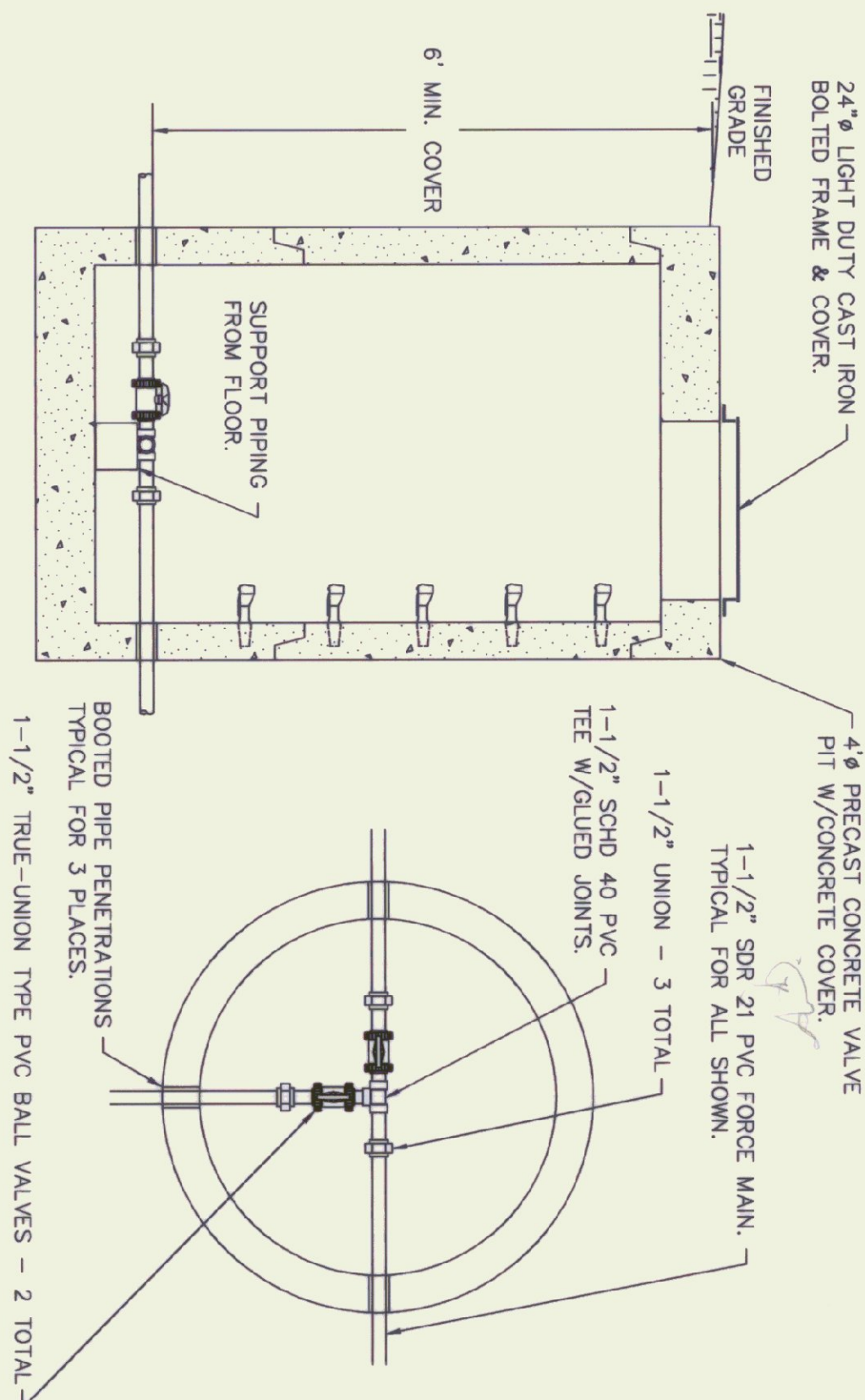


REV.	NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY
1	6/23/95	ADDED MOUND CONSTRUCTION NOTES	JEA	GAK		
2	4/26/96	ADDED SHEET NO. TO TITLE BLOCK	JEA	GAK		
SCALE: AS INDICATED			DESIGNED BY: JON E. ALLEN	DATE: 5/17/95	DRAWING NO. 4/5	SHEET NO. 17/21
DRAWN BY: JEA			PROJECT NO. 11295			
CHECKED BY: JON E. ALLEN			FIRM: VERMONT SURVEY and ENGINEERING, INC.			
SCALE: AS INDICATED			36 EAST STATE STREET • MONTELEONE, VERMONT • 05602			
SCALE: AS INDICATED			SEWERAGE and CITY ENGINEERS			
SCALE: AS INDICATED			NH 028-1(17)5			



BUILDING WATER SERVICE CONNECTION

SCALE: NONE



VALVE PIT DETAILS

SCALE: NONE

2	4/26/96	ADDED SHEET NO. TO TITLE BLOCK	JEA	GAK
1	6/5/95	ADDED THIS SHEET	JEA	GAK

ALBURG WELCOME CENTER
ALBURG, VERMONT

SEWAGE DISPOSAL SYSTEM
MISCELLANEOUS DETAILS
NH 028-10725

DESIGNED BY	VERMONT SURVEY AND ENGINEERING, INC.	PROJECT NO.	11295
CHECKED BY	58 EAST STATE STREET • MONTPELIER, VERMONT • 05602	DRAWING NO.	5/5
DATE	6/5/95	SHEET NO.	18/21

