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

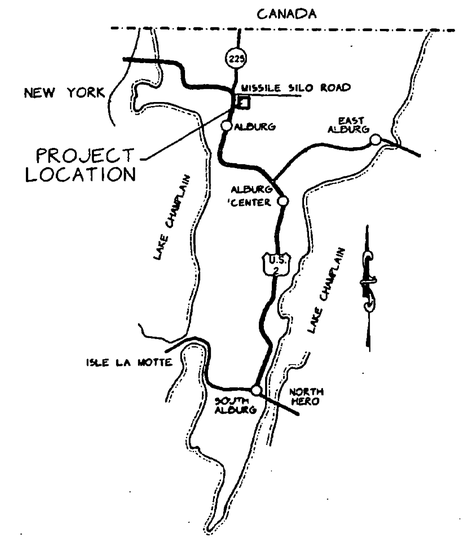
In the Town of Alburg on U.S. Route 2

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

INDEX OF SHEETS



PROJECT LOCATION

CONTRACT PLANS

THESE PLANS DO NOT REFLECT CHANGES MADE ON THE PROJECT.

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

Date SEP 06 1996
NECCO Inc.
Consultant
President
Title
Secretary of Transportation's Signature

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 FEDRAL 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 _____ DATE _____
DIRECTOR OF CONSTRUCTION & MAINTENANCE
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED _____ DATE _____
DIVISION ADMINISTRATOR
PROJECT ALBURG
NH 028-1(17)S
SHEET 1 OF 21 SHEETS

QUANTITY SHEET

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES

				QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
				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	EST
			*	1	CY	GRANULAR BACKFILL FOR STRUCTURES (NOT A BID ITEM)	204.30	
				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(JUIPERUS SABINA TAMARISCIFOLIA) TAM JUNIPER(18"-24"MIN CONTAINER)	656.25	
				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

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

* ITEM OUT OF ORDER

Revised 7/25/96 PLD

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

GENERAL PROJECT NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS AND EXISTING SITE INFORMATION. NEW WORK SHALL BE LAID OUT AND DIMENSIONS CHECKED FOR CONFORMITY WITH DRAWINGS. ADVISE OWNER AND A/E OF ANY DISCREPANCIES IMMEDIATELY.
2. DRAINAGE OF PAVERS/WALKS: PITCH ALL SUBBASE AND BASE COURSE MATERIALS SIMILAR TO THE FINISHED SURFACES. PONDING WITHIN THE BASE AND SUBBASE 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 STAIN, OR AS SCHEDULED ON THE ROOM FINISH SCHEDULE.
4. THE CONTRACTOR SHALL COORDINATE AND PROVIDE ALL CUTOUTS, BLOCKING, BACKPLATES, RECESSED SLABS, SLEEVES, BURIED OR EMBEDDED CONDUIT, ETC. REQUIRED TO INSTALL THE WORK AND EQUIPMENT SHOWN.
5. THE CONTRACTOR SHALL PROVIDE ALL TRENCHES AND SITEWORK REQUIRED FOR MECHANICAL/ELECTRICAL/PLUMBING WORK, INCLUDING BACKFILL AND FINAL GRADING PER SPECIFICATIONS.

EROSION CONTROL NOTES

1. FOLLOW VT-AOT 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 CONTINUOUSLY AROUND THE BOTTOM OF THE PILE. NOTE THAT AT ALL SILT FENCES, FABRIC SHALL BE KEYED INTO GROUND 6" MIN.
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. KEEP WORK AREA TO A MINIMUM BY STRIPPING ONLY THOSE AREAS THAT WILL BE WORKED ON IMMEDIATELY.
8. REMOVE NO MORE VEGETATIVE COVER THAN IS NECESSARY TO GRADE THE SITE AS SHOWN ON THE PLANS.

GENERAL SITEWORK NOTES

1. THE CONTRACTOR SHALL REPAIR ALL EXISTING ROADWAY/WALK PAVEMENT AND FOUNDATIONS WHERE DAMAGED OR DISTURBED BY THE WORK OF THIS CONTRACT AT NO COST TO THE OWNER. REPAIRS SHALL BE MADE WITH MATERIALS OF EQUAL QUALITY AND TO THE EXISTING PAVEMENT/ FOUNDATION DEPTH. THE AREA OF REPAIR SHALL BE SQUARE CUT AND NOT LESS THAN 10'x10'(OR WIDTH OF WALK) UNLESS APPROVED BY THE OWNER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL EXISTING VEGETATION, PAVEMENT, CONCRETE ITEMS AND STRUCTURES NECESSARY TO PERFORM THE WORK.
3. THE CONTRACTOR SHALL REPAIR ALL EXISTING LAWN OR VEGETATED AREAS DAMAGED OR DISTURBED DURING WORK OF THIS CONTRACT. REPAIRS SHALL BE MADE WITH LIKE PLANT MATERIAL IN ACCORDANCE WITH METHODS AND MATERIALS APPROVED BY THE OWNER.
4. AT THE COMPLETION OF THE GRADING, ALL SLOPES, DITCHES, AND ALL DISTURBED AREAS SHALL BE HAND RAKED, SMOOTH AND FREE OF POCKETS, WITH SUFFICIENT SLOPE TO ENSURE DRAINAGE.
5. FINISH SLOPES, DITCHES AND DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 4 INCHES OF TOPSOIL MIX, AND BE FERTILIZED, SEEDED, LIMED, AND MULCHED. TURF ESTABLISHMENT SHALL BE PERFORMED PER VAOT SECTION 651.
6. ALL FILL SHALL BE PLACED IN 6 INCH LIFTS AND THOROUGHLY COMPACTED TO 95% OF MAXIMUM DENSITY OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D698 STANDARD PROCTOR, UNLESS NOTED OTHERWISE.
7. HEALTHY EXISTING TREES ON SITE NOT SCHEDULED FOR REMOVAL OR RE-LOCATION SHALL BE MARKED 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, RIMS, COVERS, VALVES AND OTHER SITE STRUCTURES AND UTILITIES WHERE ENCOUNTERED TO MEET NEW LINE AND GRADE OF FINISHED LAWN AND PAVEMENT.
10. ALL HIGHWAY AND OTHER SIGNAGE 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.

1/00 GENERAL NOTES — N.T.S.

2/00 STANDARD MATERIALS LEGEND — NO SCALE

EARTH
STONE, GRAVEL
BITUMINOUS PAVING
CONCRETE
PRE-CAST CONCRETE
CONCRETE MASONRY UNITS
BRICK
STONE
SAND, MORTAR
ALUMINUM
STEEL
SHEET METAL
REINFORCING - W.W.F.
REINFORCING BAR (RODS)
PLASTER/LATH
GYPSUM WALLBOARD
GLASS
PLYWOOD
WOOD (FINISHED)
WOOD BLOCKING (CONT.) (HOW, D MEN.)
WOOD SHIMS (NON-CONT.)
BATT INSULATION
RIGID INSULATION
ACOUSTIC TILE
PARTICLE BOARD
PLASTIC LAMINATE (ON PLYWD)
CARPET
QUARRY TILE
VAPOR BARRIER

JOB SPECIFIC LEGEND

CONCRETE
PRECAST CONCRETE BRICK PAVERS
ASPHALT
FULLY PAINTED AREA
--- 501 --- EXISTING 1' CONTOUR LINE
--- 500 --- EXISTING 5' CONTOUR LINE
NEW 1' CONTOUR LINE
SIGNAGE
EXISTING TREE TO REMAIN
TREE TO BE RELOCATED
NEW OR RELOCATED TREE OR SHRUB
EXISTING SHRUB TO REMAIN
EXISTING STREET LIGHT TO REMAIN
NEW LUMINAIRE
FLAGPOLE

3/00 STANDARD ABBREVIATIONS — NO SCALE

@	AT	DIMEN.	DIMENSION	JAN.	JANITOR	S.C.	SOLID CORE
∠	ANGLE	DL.	DEAD LOAD	JT.	JOINT	S.S.	STAINLESS STEEL
℄	CENTERLINE	DN.	DOWN			S.T.C.	SOUND TRANSMISSION CLASS
[	CHANNEL	DTL.	DETAIL	L.	LENGTH	SCH.	SCHEDULE
⊥	PERPENDICULAR	DWG.	DRAWING	LAM.	LAMINATE(D)	SECT.	SECTION
▯	PLATE			LAV.	LAVATORY	SH.	SHEET
ø	ROUND/DIAMETER	E.J.	EXPANSION JOINT	LF	LINEAR FEET	SHTH.	SHEATHING
		E.P.	ELECTRIC PANEL	LG.	LONG	SIM.	SIMILAR
		EIFS	EXTERIOR INSUL. & FINISH SYSTEM	LL	LIVE LOAD	SLNT.	SEALANT
		E.W.C.	ELECTRIC WATER COOLER	LLH.	LONG LEG HORIZONTAL	SLR.	SEALER
		EA.	EACH	LLV.	LONG LEG VERTICAL	SPEC.	SPECIFICATION
A.F.F.	ABOVE FINISH FLOOR	EL.	ELEVATION	LOC.	LOCATE(D) (-ION)	SPR.	SPRINKLER
A.P.	ACCESS PANEL	ELEC.	ELECTRIC(AL)	LT-GA.	LIGHT GAUGE	SQ.	SQUARE
A.T.	ASPHALT TILE	ELEV.	ELEVATOR	LTG.	LIGHTING	ST./STL.	STEEL
A/C	AIR CONDITIONING	ENTR.	ENTRANCE	LTL.	LINTEL	STD.	STANDARD
AC	ACRE	EQ.	EQUAL	LVR.	LOUVER	STR./STRUCT.	STRUCTURE(-AL)
ACT.	ACOUSTICAL TILE	EQUIP.	EQUIPMENT			SUSP.	SUSPENDED
ADDN.	ADDITION	ESTM.	ESTIMATE	M.O.	MASONRY OPENING	SYM.	SYMMETRICAL
ADJ.	ADJACENT	EXIS.	EXISTING	M.R.	MOISTURE RESISTANT		
ADJUST.	ADJUSTABLE	EXH.	EXHAUST	MACH.	MACHINE	T.	TRANSFORMER/TREAD
ALT.	ALTERNATE	EXP.	EXPOSED	MAT.	MATERIAL	T.&G.	TONGUE & GROOVE
ALUM.	ALUMINUM	EXPAN.	EXPANSION	MAX.	MAXIMUM	T/CONC.	TOP OF CONCRETE
ANCH.	ANCHOR(AGE)	EXT.	EXTERIOR	MECH.	MECHANICAL	T/J	TOP OF DECK
ANOD.	ANODIZED			MET.	METAL(LIC)	T/O	TOP OF
APPROX.	APPROXIMATE	F.B.O.	FURNISHED BY OTHER	MEZZ.	MEZZANINE	T/S	TOP OF STEEL
ARCH.	ARCHITECT(URAL)	F.C.U.	FAN COIL UNIT	MFR.	MANUFACTURER	T/W	TOP OF WALL
ASB.	ASBESTOS	F.D.	FLOOR DRAIN	MIN.	MINIMUM	TB	TACKBOARD
ASPH.	ASPHALT	F.E.	FIRE EXTINGUISHER	MISC.	MISCELLANEOUS	TEL.	TELEPHONE
		F.E.C.	FIRE EXTINGUISHER CABINET	MLDG.	MOULDING	TEM.	TEMPERED
B.M.	BENCHMARK	F.H.	FIRE HYDRANT	MMB.	MEMBRANE	TEMP.	TEMPERATURE
B.U.R.	BUILT-UP ROOF	F.H.D.	FEHNING HARDH DISPOSAL	MSNRY.	MASONRY	TERM.	TERMINAL
B.W.	BOTH WAYS	F.O.	FRAME OPENING	MTL.	METAL	TERR.	TERRAZZO
B/G	BOTTOM OF	F.P.	FIREPROOFING	MULL.	MULLION	TH.	THICK(NESS)
BD.	BOARD	F/O	FACE OF			THRES.	THRESHOLD
BLDG.	BUILDING	F/R	FIRE-RESISTIVE	N.A.	NOT APPLICABLE	T.L.	TOILET
BLKG.	BLOCKING	FAP	FIRE ANNUNCIATION (ALARM) PANEL	N.I.C.	NOT IN CONTRACT	TRANS.	TRANSPORT
BLKT.	BLANKET	FDN.	FOUNDATION	N.S.	NON-SLIP	TRANSF.	TRANSFORMER
BM.	BEAM	FIN.	FINISH(ED)	N.T.S.	NOT TO SCALE	TRANSP.	TRANSPARENT
BRG.	BEARING	FUT.	FUTURE	NAT.	NATURAL	TRS.	TILE REDUCER STRIP
BRK.	BRICK	FL'G.	FLASHING	NO.	NUMBER	TYP.	TYPICAL
BSMT.	BASEMENT	FL.	FLOOR	NOM.	NOMINAL		
BVL.	BEVELED	FM	FACTORY MUTUAL	O.A.	OVERALL	U.C.	UNDERCUT
		FMK.	FENHMRE MARKH VENDOR	O.C.	ON CENTER	U.N.O.	UNLESS NOTED OTHERWISE
C.H.	CHEMICAL HARDENER	FN.	FRAME	O.D.	OUTS DE DIAMETER	UL	UNDERWRITER'S LAB. (TEST)
C.I.	CAST IRON	FRMG.	FRAMING	OPNG.	OPENING	UR.	URINAL
C.I.P.	CAST-IN-PLACE	FT.	FOOT/FEET	OPP.	OPPOSITE		
C.J.	CONTROL JOINT	FTG.	FOOTING	OPPH.	OPPOSITE HAND	V.	VINYL
C.L.L.	CONTRACT LIMIT LINE	FUR.	FURRING	OSU	OHIO STATE UNIV. (TEST)	V.B.	VAPOR BARRIER
C.M.P.	CORRUGATED METAL PIPE	FURR.	FURNISHED/FURNITURE	P.[N.	PATCH & MATCH	V.I.F.	VERIFY IN FIELD
C.M.T.	CERAMIC MOSAIC TILE	FWC	FABRIC WALL COVERING	P.M.S.	PREFORMED METAL SIDING	V.P.	VISION PANEL
C.M.U.	CONCRETE MASONRY UNIT			P.V.C.	POLYVINYL CHLORIDE	VAR.	VARNISH
C.T.	CERAMIC TILE	G.B.	GRAB BAR	PBD.	PARTICLE BOARD	VB	VINYL BASE
CABT.	CABINET	G.C.	GENERAL CONTRACTOR	PERIM.	PERIMETER	VCT.	VINYL COMPOSITION TILE
CARP.	CARPENTER	G.C.T.	GLAZED CERAMIC TILE	PL.	PLASTIC/PLATE	VERT.	VERTICAL
CB.	CHALKBOARD	GA.	GAUGE	PL. LAM.	PLASTIC LAMINATE	VEST.	VESTIBULE
CEM.	CEMENT	GALV.	GALVANIZED	PLAS.	PLASTER	VNR.	VENEER
CL.	CLOSET	GKT.	GASKET	PLBG.	PLUMBING	VT	VINYL TILE
CLG.	CEILING	GL.	GLASS, GLAZING	PLYWD.	PLYWOOD	VWC.	VINYL WALLCOVERING
CLR.	CLEAR	GWB	GYPSUM WALLBOARD	PN.	PANEL		
COL.	COLUMN	GYP.	GYPSUM	PREFAB.	PREFABRICATE(D)	W.	WIDTH
COMB.	COMBINATION	H.	HEIGHT	P.T.	PRESSURE TREATED	W.C.	WATER CLOSET
COMP.	COMPOSITE	H.C.	HOLLOW CORE	PT./PTD.	PAINT/PAINTED	W.GL.	WIRE GLASS
CONC.	CONCRETE	H.M.	HOLLOW METAL	PTN.	PARTITION	W.P.	WATERPROOF/WORKPOINT
CONST.	CONSTRUCTION	H/C	HANDICAPPED	PVMT.	PAVEMENT	W.R.	WATER REPELLENT/RESISTANT
CONT.	CONTINUOUS	HDB.	HARDBOARD			W.S.	WEATHER STRIP
CONTR.	CONTRACTOR	HDWD.	HARDWOOD	Q.T.	QUARRY TILE	WW.	WINDOW WALL
CORR.	CORRIDOR	HDWR.	HARDWARE	QTY.	QUANTITY	W.W.F.	WELDED WIRE FABRIC
CORRUG.	CORRUGATED	HOUR	HEAT/SMOKE/LIGHT REDUCING(GLASS)			W/	WITH
CPT.	CARPET	HORIZ.	HORIZONTAL	R.	RADIUS/RISER	W/O	WITHOUT
CRS.	COURSE(S)	HR.	HOUR	R.B.	RUBBER BASE	WDW.	WINDOW
C.U.H.	CABINET UNIT HEATER	HVAC.	HEATING/VENTILATING/AIR COND.	R.D.	ROOF DRAIN		
				R.F.	RUBBER FLOORING	JOB SPECIFIC ABBREVIATIONS	
D.	DEPTH	I.C.S.	INSULATED COMPOSITE SIDING	R.O.	ROUGH OPENING		
D.F.	DRINKING FOUNTAIN	I.D.	INSIDE DIAMETER	REF.	REFERENCE	FP	FIBERGLASS PANEL
D.H.	DOUBLE HUNG	IMPREG.	IMPREGNATED	REINF.	REINFORCED		
D.O.	DOOR OPENING/DITTO	INCL.	INCLUDE(D) (-ING)	REQ'D	REQUIRED		
DEFL.	DEFLECTION	INSUL.	INSULATE(D) (-ION) (-ING)	RET.	RETURN		
DIA.	DIAMETER	INT.	INTERIOR	REV.	REVISED/REVISION		
DIAG.	DIAGONAL	INV.	INVERT	RM.	ROOM		
				RUB.	RUBBER		

4/00 STANDARD SYMBOLS LEGEND — NO SCALE

DATUM POINT: T/CONC. T/STL. T/SUBSTRATE
STRUCTURAL GRID LINE
DOT: DIMENSION TO ℄ OR TO STRUCTURAL GRID LINE
SLASH: DIMENSION TO ACTUAL FACE OF MATERIAL; ACTUAL WALL THICKNESS
GRIDLINES
FINISHED SURFACE LINES - CUT
ELEMENTS BELOW CUT LINE - HIDDEN
ELEMENTS ABOVE CUT LINE - DASHED SOFFIT ABOVE CO-ORDINATE W/ CEILING PLANS, SECTIONS, DETAILS.
ACCESSORY ITEM: SEE ACCESSORY SCHEDULE FOR DESCRIPTION.
SPECIAL NOTATION (e.g. DEMO NOTE)
LOUVER TYPE DESIGNATION
DOOR DESIGNATION
PARTITION TYPE: SEE PARTITION LEGEND ON A-0.
ROOM NUMBER DESIGNATION: SEE FINISH SCHEDULE.

SECTION OR DETAIL REFERENCE:
DETAIL NUMBER
SHEET NUMBER WHERE DETAIL IS LOCATED.
VIEW DIRECTION
SPECIAL NOTES
WALL SECTIONS; THRU-BUILDING SECTIONS
ROOM / WALL ELEVATIONS
REVISION NOTE
DETAIL No.
DETAIL TITLE
SCALE
SHEET No.

JOB SPECIFIC
FINISHED SURFACE LINES - NEW
NEW DOOR, WINDOW, ETC. CONSTRUCTION: SEE DOOR SCHEDULE INFORMATION.

GENERAL NOTES

EXTERIOR

CONCRETE PAVERS

MFR: HANOVER
STYLE: APPIAN
COLOR: NATURAL / CHARCOAL BLEND

ROOF

MFR: BIRD
STYLE: ORGANIC
COLOR: CHESTNUT BROWN

INTERIOR

FLOORING

MFR: SILIKAL
STYLE: MMA / FULL FLAKE
F-1 #21 FOREST GREEN, #2 TURTLEDOVE GREY, #1 EGGSHELL WHITE, #9 FAWN BEIGE

FIBERGLASS PLASTIC PANELS

MFR: BP CHEMICALS
STYLE: TUFFLINER
FP-1 ALMOND

PAINT

MFR: PRATT & LAMBERT
PT-1 #2288 SILVER LINING
PT-2 *NOT USED*
PT-3 #1456 WOODLAND

STAIN

MFR: PRATT & LAMBERT
ST-1 CLEAR FINISH
ST-2 EARLY AMERICAN MAPLE
ST-3 RUSTIC # 3-107 OIL (EXTERIOR)

SPECIFIC NOTES

PAINT

1. ALL GWB SHALL BE PT-1.
2. ALL INTERIOR DOOR FRAMES, EXTERIOR DOORS & DOOR FRAMES, MECH. DUCTS / PIPING, WINDOW FRAMES (inside as well) SHALL BE PT-3.

STAIN

4. ALL INTERIOR WOOD SURFACES, OTHER THAN WOOD TRUSSES AND INTERIOR DOORS, SHALL BE ST-1.
5. ALL WOOD TRUSSES AND ALL INTERIOR DOORS SHALL BE ST-2
6. ALL EXTERIOR SIDING (WOOD LOGS), SOFFITS, AND FASCIA SHALL BE ST-3.

SEEDING FORMULA

URBAN AREAS

% WT.	LBS./ACRE	NAME	PUR %	GERM %
42.5	34.0	CREEPING RED FESCUE	98	85
10.0	8.0	PERENNIAL RYE GRASS	95	90
42.5	34.0	KENTUCKY BLUE GRASS	85	85
5.0	4.0	ANNUAL RYE GRASS	95	85

RURAL AREAS

% WT.	LBS./ACRE	NAME	PUR %	GERM %
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.04 % BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS WEED SEED.

SEED: TO BE APPLIED PER SEEDING FORMULAS AS DIRECTED BY THE ENGINEER.

FERTILIZER FORMULA: 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS/ACRE.

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE ENGINEER.

HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE ENGINEER.

TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

ARCHITECT
DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
2788 VILLISTON ROAD • SOUTH BURLINGTON, VERMONT

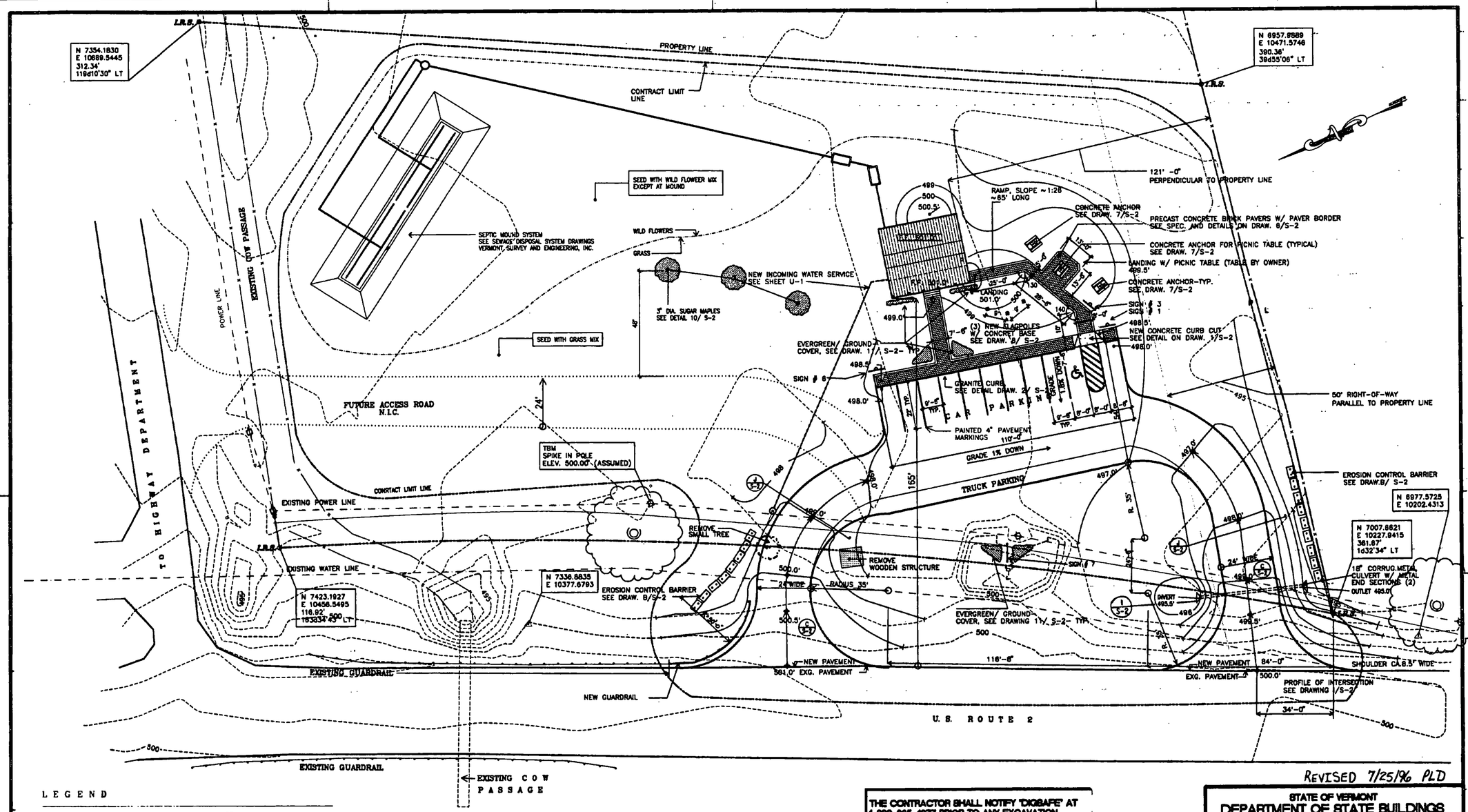
MECHANICAL/ ELECTRICAL ENGINEER
N.F.Laurence + Associates, Inc.
113 West Main Street
Northborough, MA 01532

CIVIL ENGINEER + SURVEY
VERMONT SURVEY and ENGINEERING, INC.
SURVEYORS and CIVIL ENGINEERS
88 EAST STATE STREET • MONTPELIER, VERMONT • 05602

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

ALBURG WELCOME CENTER
ALBURG
GENERAL NOTES/ LEGENDS

DATE:	SCALE:	REVISIONS:	DRAWING NO:
MARCH 18, 1998		8-16-99	A-0
DRAWN BY: BJLI APPROVED BY: JBA	PROJECT NO: NB 028-1(17)S		SHEET 3 OF 21



LEGEND

- CONCRETE
- PRECAST CONCRETE BRICK PAVERS
- ASPHALT
- PAINTED AREA
- 501 EXISTING 1' CONTOUR LINE
- 500 EXISTING 5' CONTOUR LINE
- NEW 1' CONTOUR LINE
- SIGNAGE
- EXISTING TREE TO REMAIN
- TREE TO BE REMOVED
- NEW OR RELOCATED TREE OR SHRUB
- EXISTING STREETLIGHT
- NEW LUMINAIRE
- FLAGPOLE

THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-800-225-4977 PRIOR TO ANY EXCAVATION

NOTE: TOPOGRAPHIC INFO TAKEN FROM A SURVEY DATED 3/10/95 BY VERMONT SURVEY AND ENGINEERING, INC, MONTPELIER CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS NECESSARY TO PERFORM THE WORK PRIOR TO BEGINNING THE WORK.

GRAPHIC SCALE

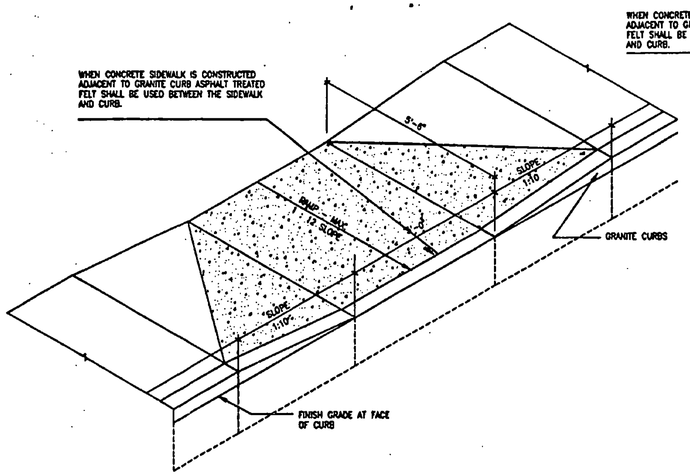
(IN FEET)
1 inch = 20 ft.

REVISED 7/25/96 PLD

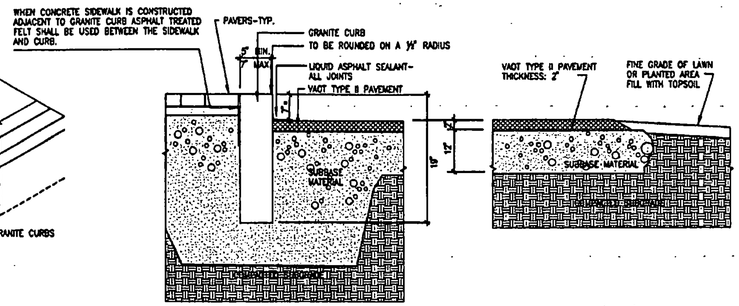
STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

ALBURG WELCOME CENTER
ALBURG
SITE-PLAN

DATE: MARCH 19, 1996	SCALE: 1"=20'	REVISIONS: 5-16-96 7-25-96	DRAWING NO: S-1
DRAWN BY: BJL APPROVED BY: JBA	PROJECT NO: NH028-107(5		SHEET 4 OF 21

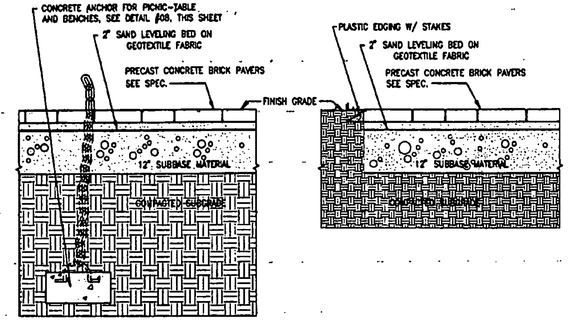


1 S-2 SITE - DROP CURB 1/2" = 1'-0"



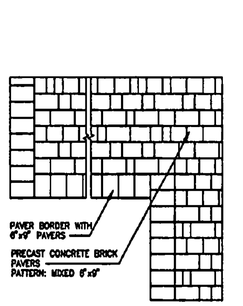
2 S-2 SITE - GRANITE CURB 1"=1'-0"

3 S-2 SITE - ASPHALT PAVEMENT 1"=1'-0"

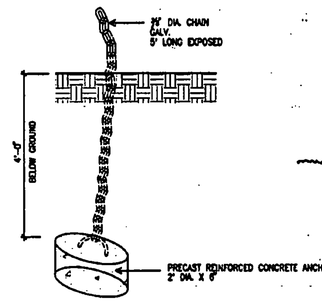


4 S-2 SITE - PRECAST PAVERS CONNECT.W\CONCR.ANCHOR 1"=1'-0"

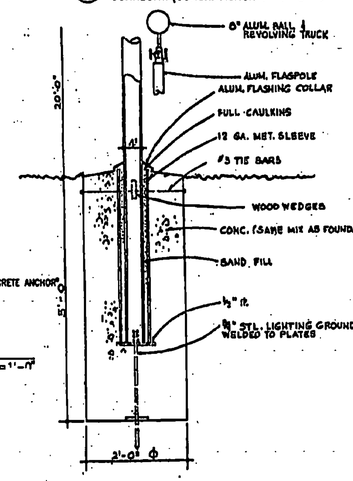
5 S-2 SITE - PRECAST PAVERS 1"=1'-0"



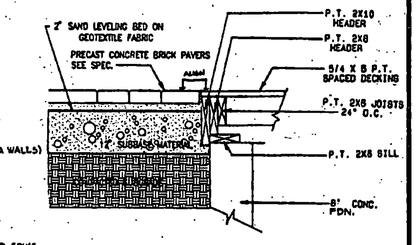
6 S-2 SITE - PRECAST PAVERS PATTERN 1/2"=1'-0"



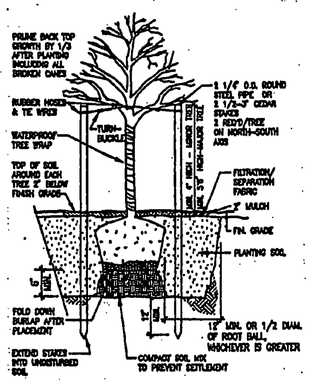
7 S-2 CONCRETE ANCHOR FOR PICNIC-TABLE AND BENCHES 1/2"=1'-0"



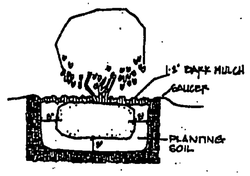
8 S-2 FLAGPOLE ANCHOR N.T.S.



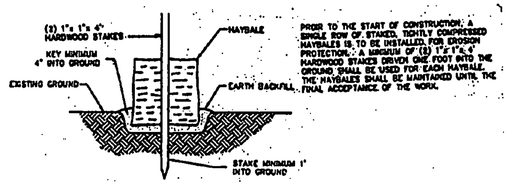
9 S-2 DETAIL PORCH SUPPORT @ PAVER CONNECTION N.T.S.



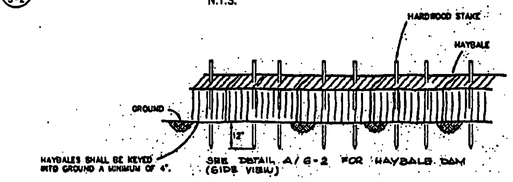
10 S-2 DECIDUOUS TREE PLANTING N.T.S.



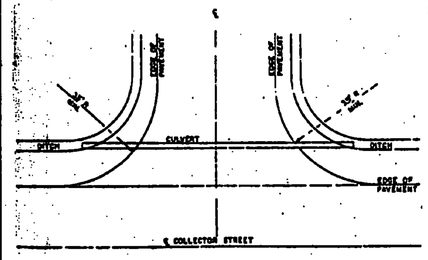
11 S-2 TYPICAL SHRUB PLANTING N.T.S.



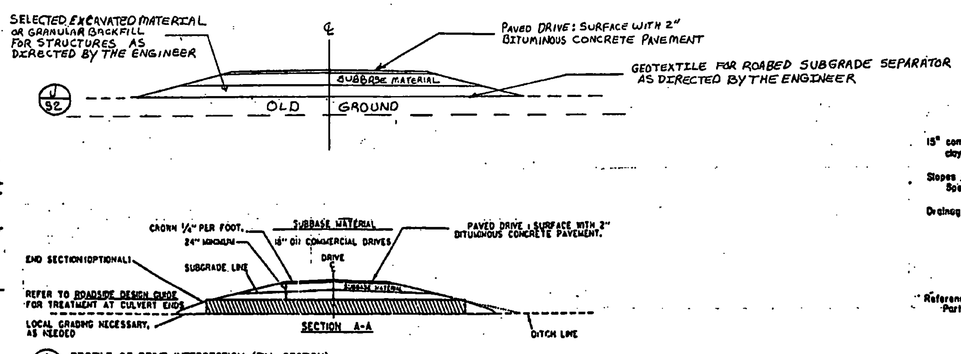
A S-2 HAYBALE DAM (SIDE VIEW) N.T.S.



8 S-2 HAYBALE DAM EROSION CONTROL BARRIER N.T.S.



C S-2 TWO-WAY UNDIVIDED COMMERCIAL DRIVE N.T.S.



J S-2 PROFILE OF DRIVE INTERSECTION (FILL SECTION) N.T.S.

REVISED 7/25/96 PLD

General Notes:

15" compacted gravel sub-base, (with 18" sub-base in ledge cuts) (with 6" sand cushion over clay subgrade.) Material meeting Vermont Agency of Transportation Specifications or equal.

Slopes to be seeded, fertilized, and mulched in accordance with Vermont Agency of Transportation Specifications or equal.

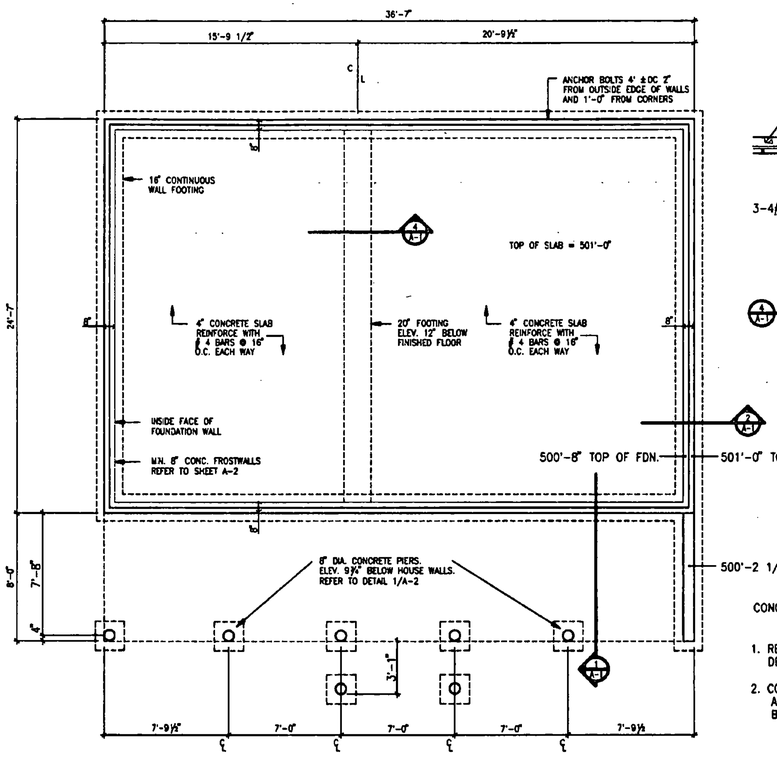
Drainage: Roadway-18" Metal or Reinforced Concrete Pipe, min. with Drop Inlets or Catch Basins as required.
Drives-15" Metal or R.C.P. min.
Underdrain-6" Perforated Metal min. as required.
Location, construction, depth and amount of drainage shall be in accordance with specifications by the Town and/or the Vermont Agency of Transportation.

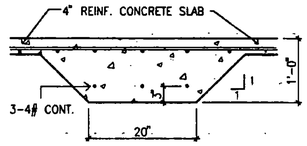
Reference should be made to Geometric Design Guide for Local Roads and Streets, Part-I Rural, published by A.A.S.H.O. 1984

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

ALBURG WELCOME CENTER
ALBURG
SITE-DETAILS

DATE: MARCH 19, 1996	SCALE: AS NOTED	REVISIONS: 5-16-96, 7-25-96	DRAWING NO: S-2
DRAWN BY: SUJ APPROVED BY: JBA	PROJECT NO: NH028-107(5		SHEET 5 OF 21

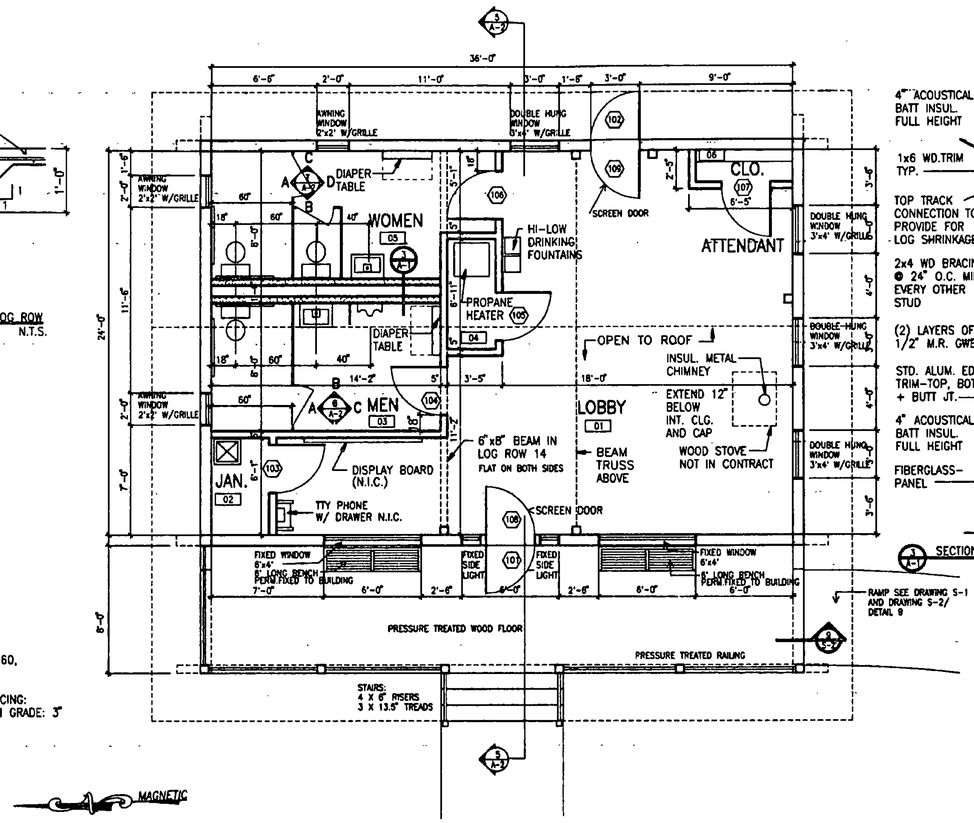


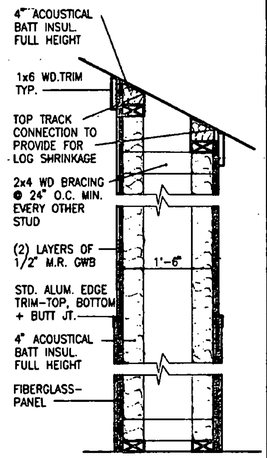


SECTION FOOTING BELOW CENTER LOG ROW
N.T.S.

CONCRETE REINFORCING NOTES:

1. REINFORCING STEEL ASTM 615 GRADE 60, DEFORMATION PER ASTM A305
2. CONCRETE CLEAR COVER FOR REINFORCING:
   A. BOTTOM OF FOOTINGS + SLABS ON GRADE: 3"
   B. SIDES OF FOOTINGS + FACES OF FORMED WALLS: 2"



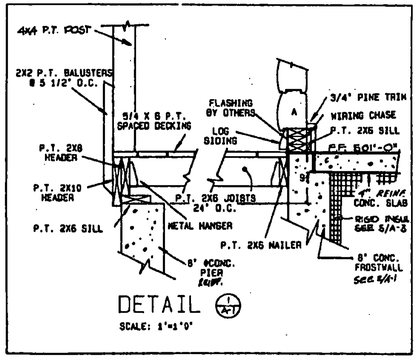


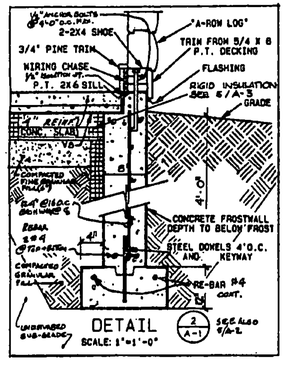
SECTION AT PLUMBING CHASE WALLS
N.T.S.

MAGNETIC

FOUNDATION PLAN

FLOOR PLAN





GENERAL NOTES:

SEE BOCA RESEARCH REPORT NO. "89-27"

NOTICE: BUILDING DESIGNEDTO MEET THE FOLLOWING LOAD CONDITIONS:
1ST FLOOR: 40#/SF LIVE LOAD

ROOF SYSTEM: 50#/SF SNOW LOAD
WIND LOAD; 70 MPH, EXPOSURE "B"

P.T. = PRESSURE TREATED

ALL DOORS ARE 6'8" HIGH UNLESS OTHERWISE NOTED.

LOW CLEARENCE THRESHOLD REQUIRED AT ALL DOORS.

ARTIFICIAL LIGHT AND MECHANICAL VENT REQUIRED IN RESTROOMS.

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

DOOR SCHEDULE

DOOR #	DOOR TYPE	DOOR MAT.	DOOR W	DOOR H	FRAME MAT	FRAME HEAD	FRAME JAMB	LINTEL	THR.	LABEL	BHMA Function	REMARKS
101	A	WD	3'0"	6'8"	WD	*	*	-	*	-	F12	*per mfr.'s details
102	A	WD	3'0"	6'8"	WD	*	*	-	*	-	F12	*per mfr.'s details
103	B	WD	3'0"	6'8"	WD	*	*	-	*	-	F88	*per mfr.'s details
104	B	WD	3'0"	6'8"	WD	*	*	-	*	-	J30D-J401	*per mfr.'s details
105	B	WD	3'0"	6'8"	WD	*	*	-	*	-	F88	*per mfr.'s details
106	B	WD	3'0"	6'8"	WD	0407	0407	-	*	-	J30D-J401	*per mfr.'s details
107	B	WD	3'0"	6'8"	WD	0407	0407	-	*	-	F88	*per mfr.'s details
108	C	WD	3'0"	6'8"	WD	*	*	-	*	-	*	*per mfr.'s details
109	C	WD	3'0"	6'8"	WD	*	*	-	*	-	*	*per mfr.'s details

DOOR TYPES
TYPE A: EXTERIOR DOORS: MORGAN M-7884-9R ENERGY SAVER (FRONT DOOR ONLY WITH SIDELIGHTS)
TYPE B: SOLID PINE INTERIOR DOORS: MORGAN, PRE HUNG, RAISED PANEL
TYPE C: WOOD SCREEN DOOR, PRE-HUNG.

NOTES:
1. All doors to be 1 3/4" thick pre-hung, complete with hinges and locksets, doors stops + mop plates.
2. All locksets to be Schlage or approved equal, finished in US4, Satin Brass, clear coated.
3. A locksets to be BHMA Grade 1, series 4000 bored locksets (wherever handles except the main exterior doors (101,102) which shall be series 1000 mortise locksets. Functions as noted above.
4. BHMA = Builders Hardware Manufacturers Association (ANSI reference numbers similar.)

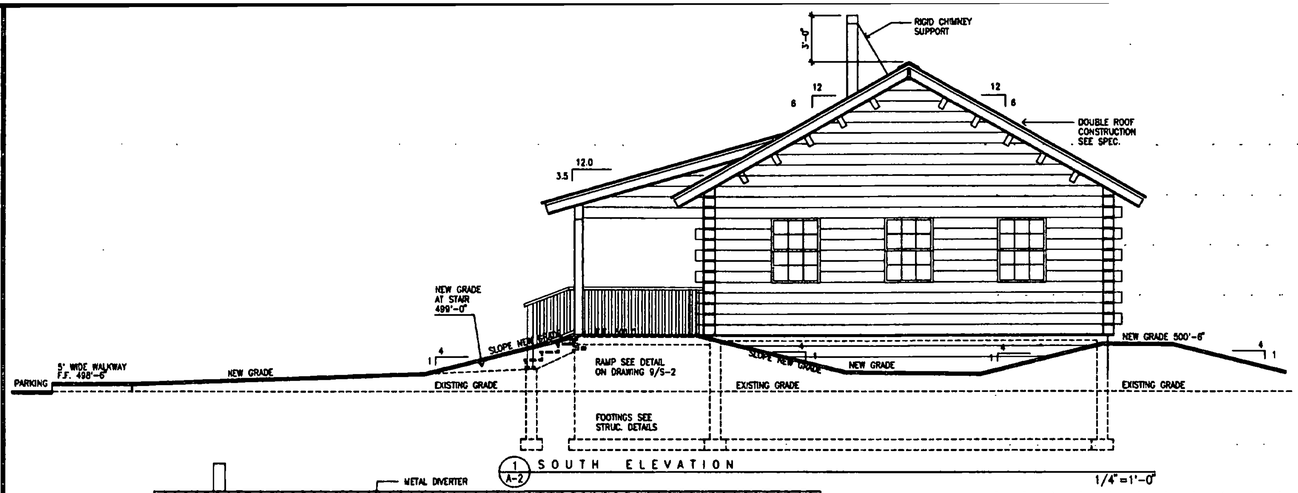
ROOM FINISH SCHEDULE

RM #	RM NAME	FLOOR MAT.	FLOOR COLOR	BASE MAT.	BASE COLOR	WALLS MAT.	WALLS FIN.	WALLS COLOR	CEILING MAT.	CEILING FIN.	CEILING COLOR	WOOD TRIM MAT.	WOOD TRIM FIN.	WOOD TRIM COLOR	REMARKS
01	LOBBY	MASTIC	P-1	WD	ST-1	WD@SWB		ST-1/VP7-1	WD		ST-1	WD		*	*SEE ROOM FINISH NOTES
02	JANITOR	MASTIC	P-1	FP	FP-1	WD@SWB/FP		ST-1/VP7-1/FP-1	WD		ST-1	WD		*	*SEE ROOM FINISH NOTES
03	MEN TLT	MASTIC	P-1	FP	ST-1	WD@SWB/FP		ST-1/VP7-1/FP-1	WD		ST-1	WD		*	*SEE ROOM FINISH NOTES
04	UTILITY	MASTIC	P-1	WD	ST-1	WD@SWB		ST-1/VP7-1	WD		ST-1	WD		*	*SEE ROOM FINISH NOTES
05	WOMEN TLT	MASTIC	P-1	FP	FP-1	WD@SWB/FP		ST-1/VP7-1/FP-1	WD		ST-1	WD		*	*SEE ROOM FINISH NOTES
06	CLOSET	MASTIC	P-1	WD	ST-1	WD@SWB		ST-1/VP7-1	WD		ST-1	WD		*	*SEE ROOM FINISH NOTES

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

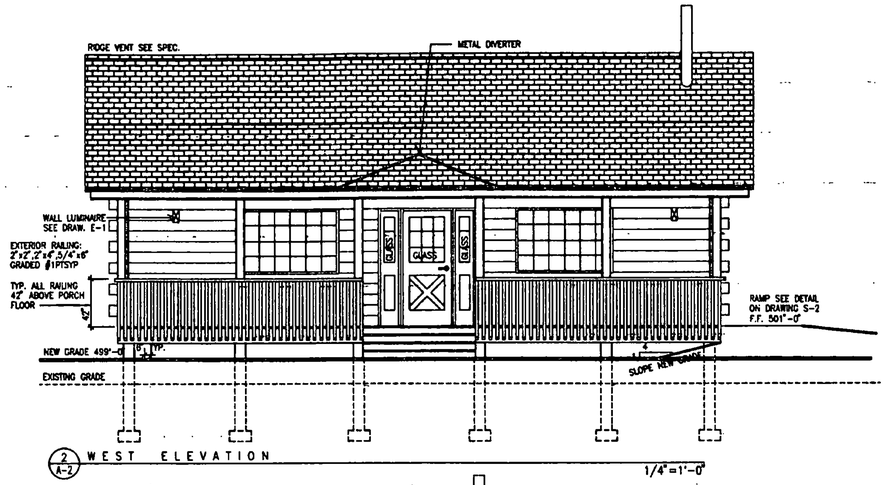
ALBURG WELCOME CENTER
ALBURG
FOUNDATION/ FLOOR PLAN

DATE:	SCALE:	REVISIONS:	DRAWING NO:
MARCH 19, 1996	1/4"=1'-0"	5-16-96	A-1
DRAWN BY: BJLJ	PROJECT NO: NH029-1(9)S		SHEET 7 OF 21
APPROVED BY: JBA			



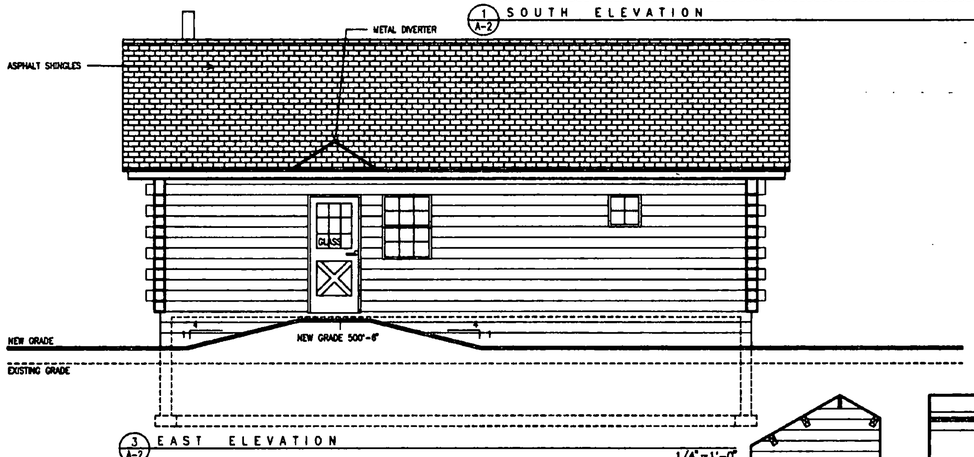
1 A-2 SOUTH ELEVATION

1/4"=1'-0"



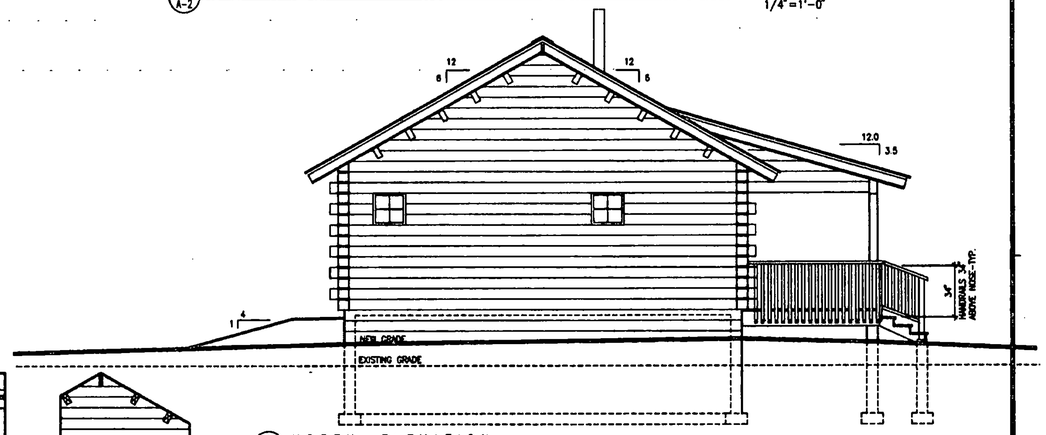
2 A-2 WEST ELEVATION

1/4"=1'-0"



3 A-2 EAST ELEVATION

1/4"=1'-0"

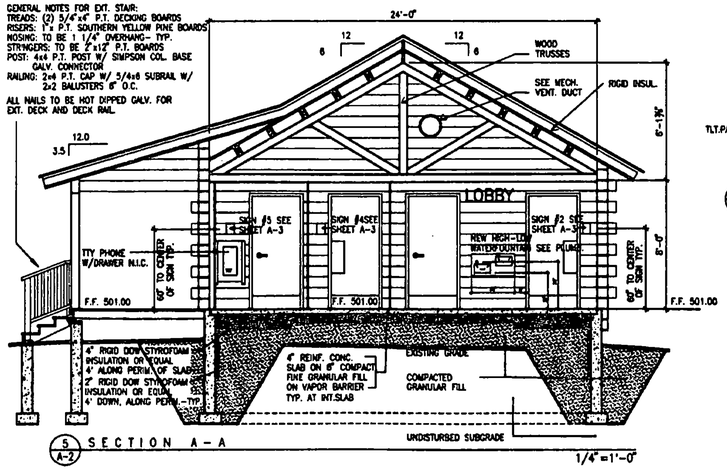


4 A-2 NORTH ELEVATION

1/4"=1'-0"

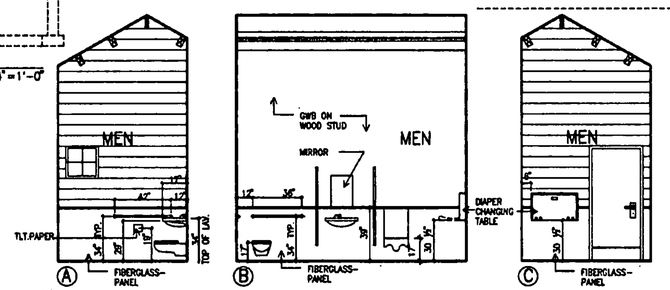
GENERAL NOTES FOR EXT. STAIR:
TREADS: (2) 5/4"x6" P.T. DECKING BOARDS
RISERS: 1" x P.T. SOUTHERN YELLOW PINE BOARDS
NOSING: TO BE 1 1/4" OVERHANG-- TYP.
STRINGERS: TO BE 2"x12" P.T. BOARDS
POST: 4x4 P.T. POST W/ SIMPSON COL. BASE GALV. CONNECTOR
RAILING: 2x4 P.T. CAP W/ 5/4x6 SUBRAIL W/ 2x2 BALUSTERS 6" O.C.

ALL NAILS TO BE HOT DIPPED GALV. FOR EXT. DECK AND DECK RAIL.



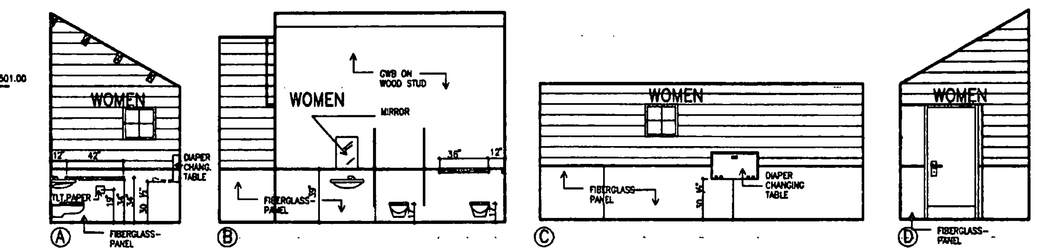
5 A-2 SECTION A-A

1/4"=1'-0"



6 A-2 INTERIOR ELEVATION MEN RESTROOM

1/4"=1'-0"



7 A-2 INTERIOR ELEVATION WOMEN RESTROOM

1/4"=1'-0"

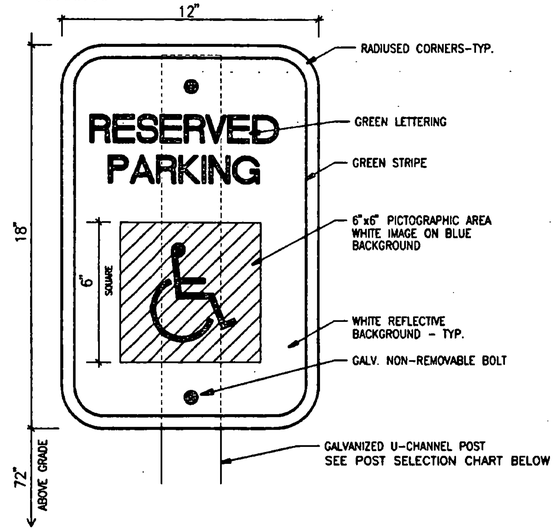
STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

ALBURG WELCOME CENTER
ALBURG
INTERIOR ELEVATIONS EXTERIOR

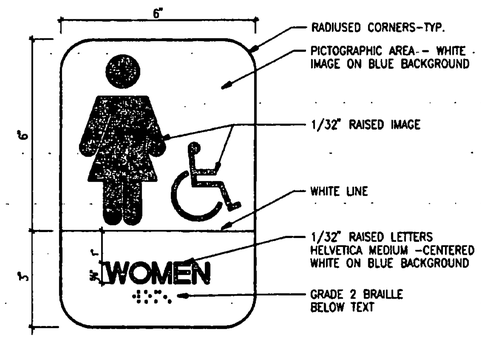
DATE: MARCH 13, 1996	SCALE: 1/4"=1'-0"	REVISIONS: 5-16-96	DRAWING NO: A-2
DRAWN BY: BJLJ APPROVED BY: JBA	PROJECT NO: NH028-1117S		SHEET 8 OF 21

SIGN TYPE # 1 SCALE 6"=1'-0"

EXTERIOR

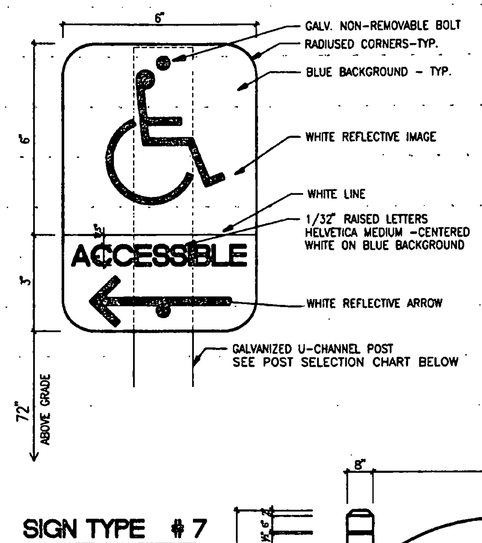


SIGN TYPE # 2 SCALE 6"=1'-0"

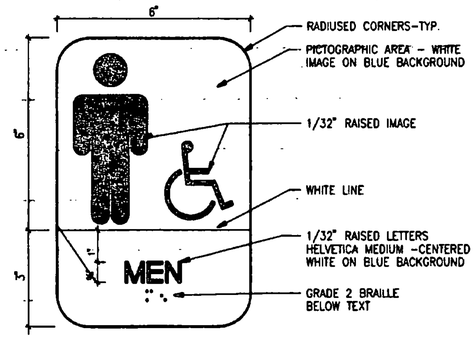


SIGN TYPE # 3 SCALE 6"=1'-0"

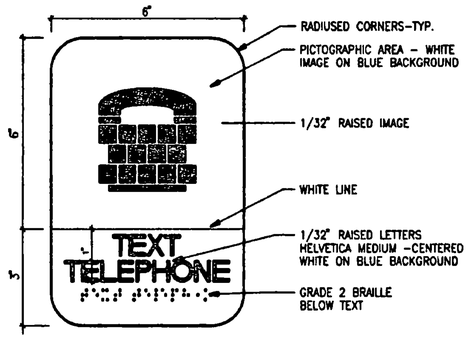
EXTERIOR

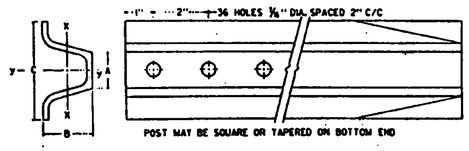


SIGN TYPE # 4 SCALE 6"=1'-0"



SIGN TYPE # 5 SCALE 6"=1'-0"



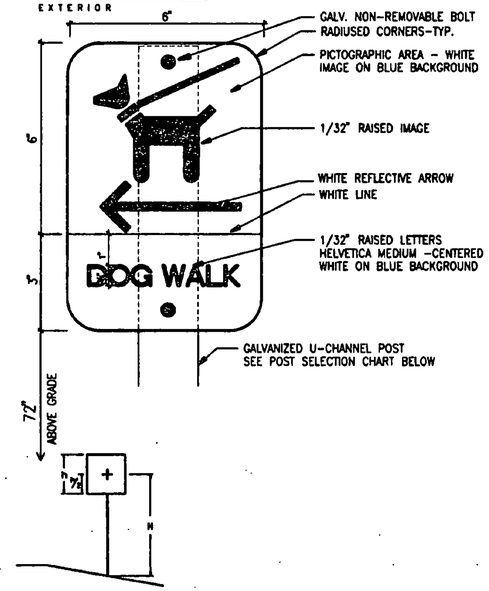


POST SIZE (LB/FT.)	DIMENSIONS A	B	C	SECTION MODULUS, X-X
2	1 7/8"	1 3/8"	3 1/8"	0.225 IN³
2 1/2	1 7/8"	1 3/8"	3 1/8"	0.289 IN³
3	1 7/8"	1 3/4"	3 1/8"	0.403 IN³

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

SIGN TYPE # 6 SCALE 6"=1'-0"

EXTERIOR

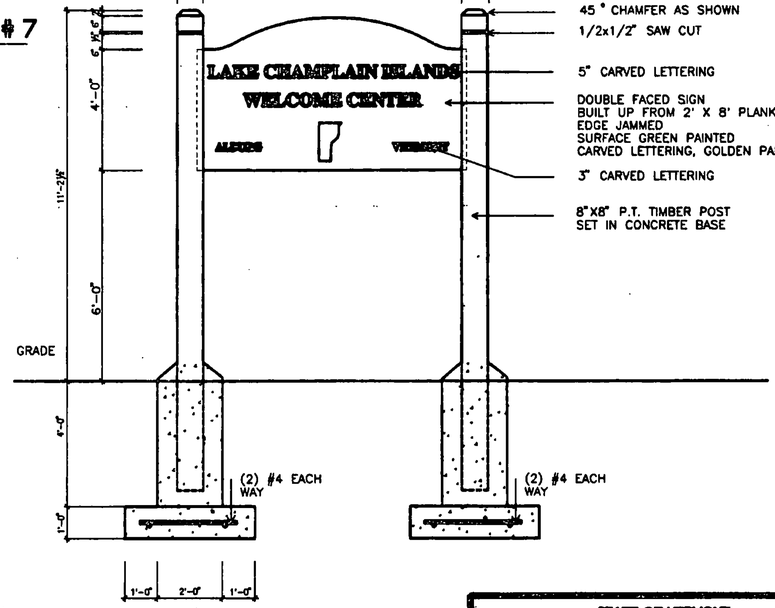


POST SELECTION CHART		
SIGN AREA (FT²) x H (FT) ≤ SV (SELECTION VALUE)		
POST SIZE	SV	DESIGN CRITERIA
2 LB/FT. (ONE POST INSTALLATION)	32	WIND SPEED = 60 MPH (10-YEAR MEAN RECURRENCE INTERVAL) WIND PRESSURE = 13 PSF STEEL MIN YIELD Fy = 50,000 PSI ALLOWABLE STRESS = (1.4)0.6 Fy
2 LB/FT. (TWO POST INSTALLATION)	62	
2.5 LB/FT. *	77	
3 LB/FT.	107	

SIMILAR 2 LB./FT. POSTS SHALL ONLY TO BE USED IN URBAN AREAS.
2.5 LB./FT. POSTS SHALL NOT BE USED FOR NEW INSTALLATIONS. INFORMATION IS PROVIDED ONLY FOR CHECKING RETAINED POSTS.

SIGN TYPE # 7

EXTERIOR



NOTES:

1. OWNER TO FURNISH ALL SIGNS.
2. CONTRACTOR TO FURNISH & INSTALL ALL POSTS AS SHOWN ON DRWGS.
3. CONTRACTOR TO INSTALL SIGNS WHERE INDICATED ON PLANS.

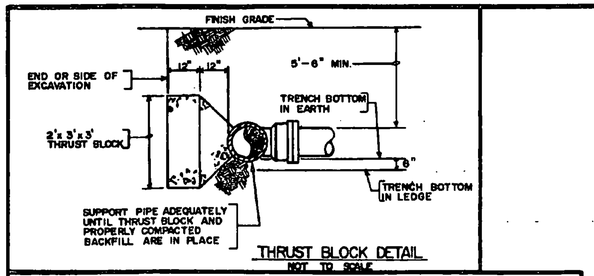
INTERIOR SIGNS - TYPICAL INSTALLATION:

INSTALL ON WALL AT 60" FROM FIN. FLOOR TO ℄ OF SIGN, WITH EDGE AT 2" (WHEN POSSIBLE) FROM DOOR FRAME AT LATCH SIDE OF DOOR.

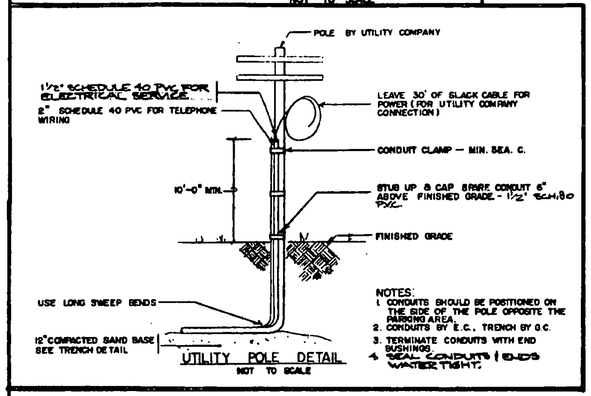
STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

ALBURG WELCOME CENTER
ALBURG
SIGNS

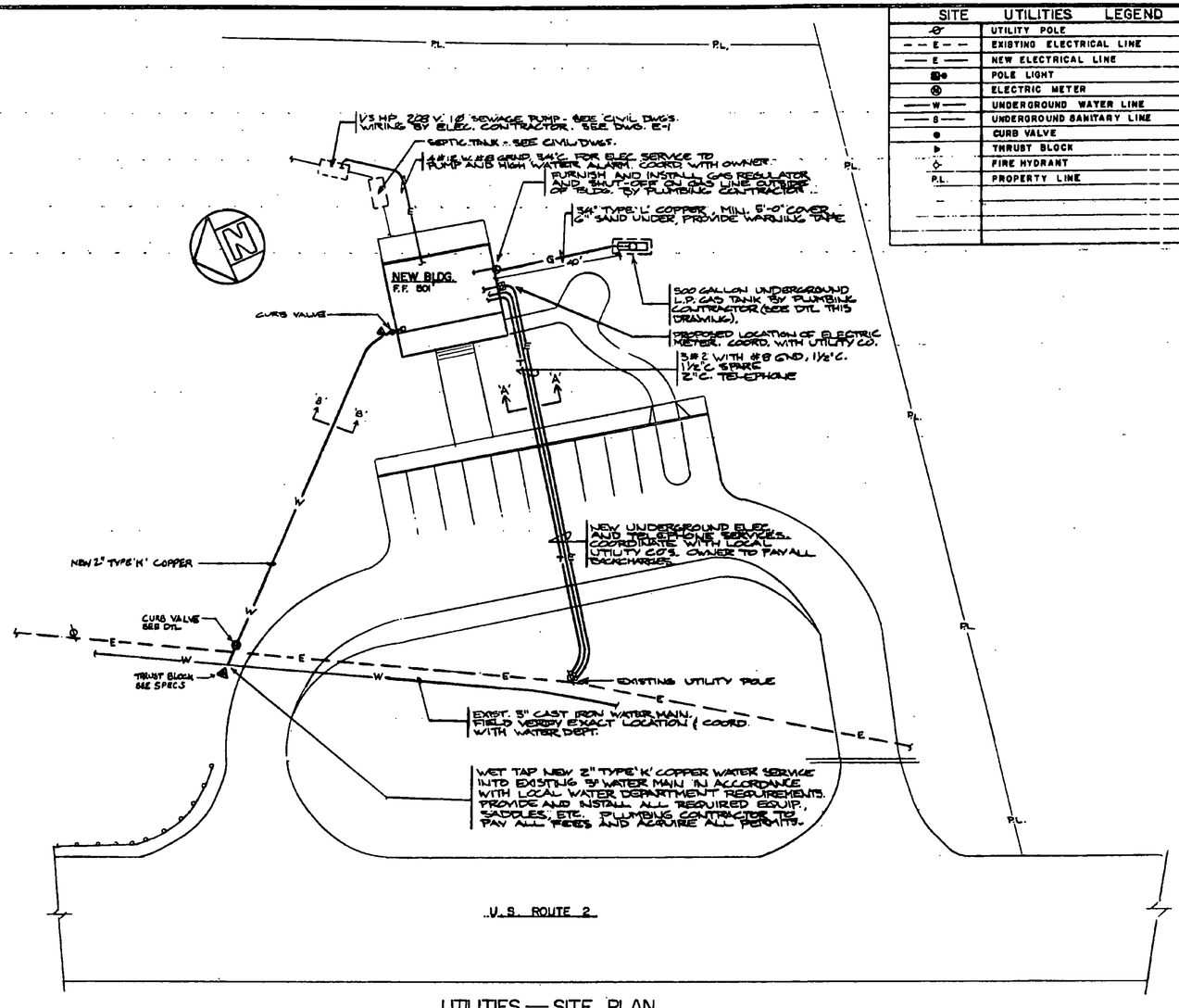
DATE: MARCH 19, 1996	SCALE: AS NOTED	REVISIONS: 8-16-96	DRAWING NO: A-3
DRAWN BY: BJJ APPROVED BY: JBA	PROJECT NO: NH028-1075		9 OF 21



THRUST BLOCK DETAIL
NOT TO SCALE

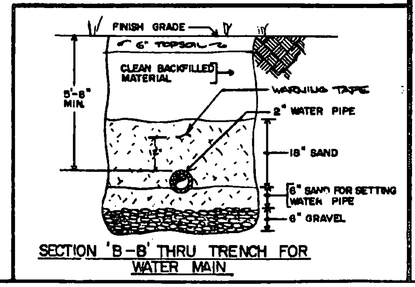


UTILITY POLE DETAIL
NOT TO SCALE

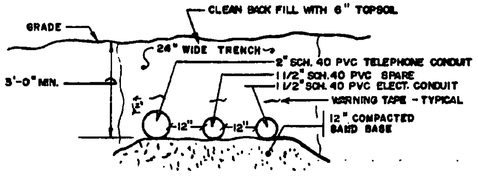


UTILITIES — SITE PLAN
SCALE: 1" = 20'-0"

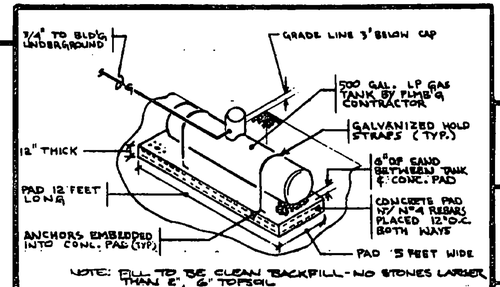
SITE UTILITIES LEGEND	
	UTILITY POLE
E	EXISTING ELECTRICAL LINE
E	NEW ELECTRICAL LINE
	POLE LIGHT
M	ELECTRIC METER
W	UNDERGROUND WATER LINE
S	UNDERGROUND SANITARY LINE
	CURB VALVE
	THRUST BLOCK
	FIRE HYDRANT
P.L.	PROPERTY LINE



SECTION 'B-B' THRU TRENCH FOR WATER MAIN



SECTION 'A-A' THRU ELECTRICAL TRENCH
NOT TO SCALE



NOTE: FILL TO BE CLEAN BACKFILL - NO STONES LARGER THAN 2", 6" TOPSOIL

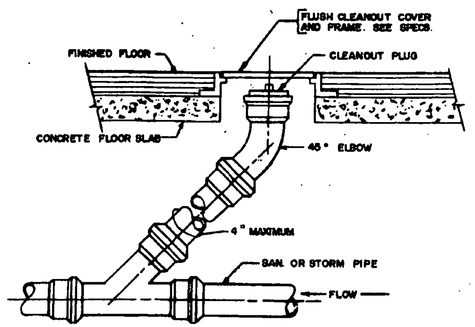
L.P. GAS TANK DETAIL
NOT TO SCALE

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

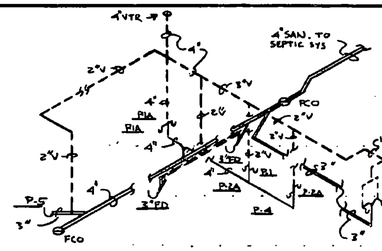
ALBURG WELCOME CENTER
ALBURG

SITE UTILITIES — SITE PLAN; LEGENDS & DETAILS

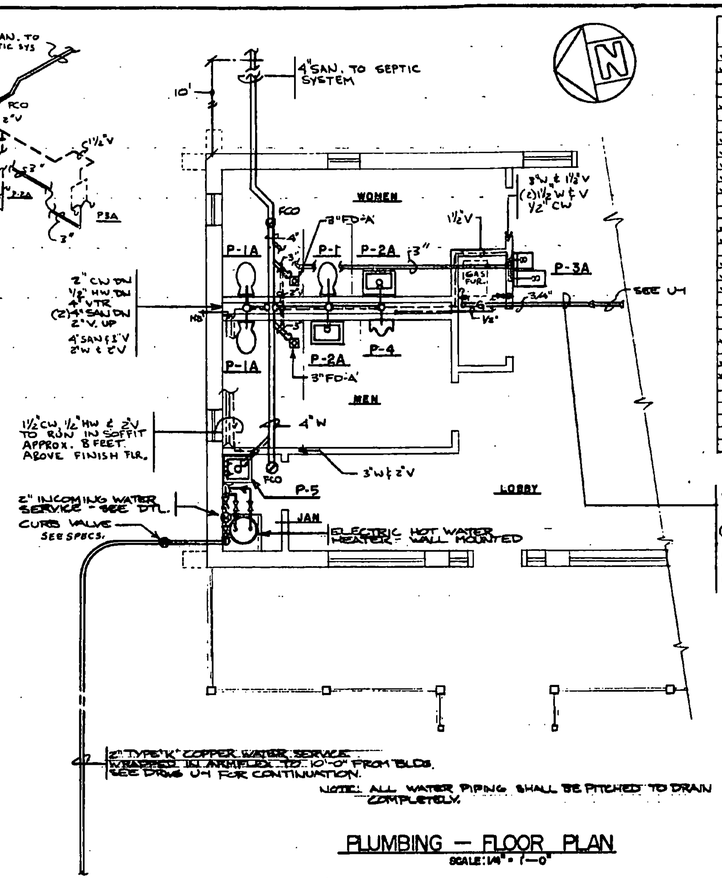
DATE: 3-19-96	SCALE: AS NOTED	REVISIONS: 6-18-96	DWG. NO. U-1
DRAWN BY: GN	PROJECT NO. NH028-1417(5)		10 OF 21



DETAIL OF FLUSH FLOOR CLEANOUT
NOT TO SCALE



SANITARY & VENT ISOMETRIC DIAGRAM
NOT TO SCALE

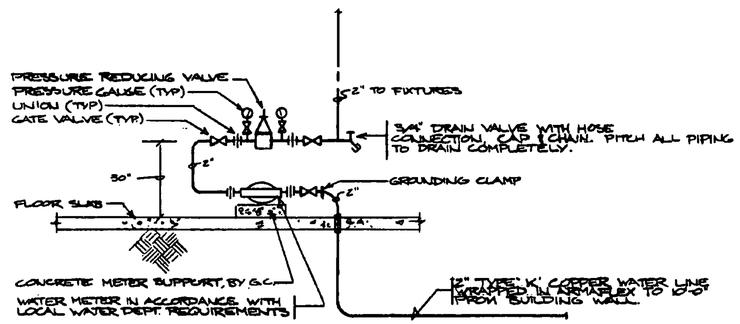


PLUMBING — FLOOR PLAN
SCALE: 1/4" = 1'-0"

PLUMBING LEGEND

SYMBOLS USED ARE INDICATED BY A CHECK (✓)

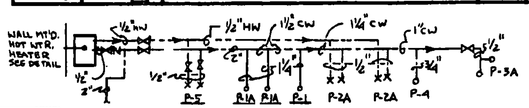
✓	———	SANITARY OR WASTE LINE (ABOVE GROUND)
	———	SANITARY OR WASTE LINE (BELOW GROUND)
	——ST——	STORM LINE (ABOVE GROUND)
	——ST——	STORM LINE (BELOW GROUND)
✓	——G——	GAS LINE (LP OR NAT. GAS)
	——A——	COMPRESSED AIR LINE
	——F——	FIRE LINE
✓	- - - - -	VENT LINE (ABOVE GROUND)
✓	- - - - -	VENT LINE (BELOW GROUND)
✓	———	COLD WATER LINE (ABOVE GROUND)
✓	———	COLD WATER LINE (BELOW GROUND)
✓	———	HOT WATER LINE
	———	HOT WATER RECIRCULATING LINE
	CO	CLEAN OUT
	FCO	FLOOR CLEAN OUT
✓	WH(OR)HB	WALL HYDRANT OR HOSE BIBB
✓		GLOBE VALVE
✓		CHECK VALVE
✓		GATE VALVE
✓		FLOOR DRAIN WITH TRAP
		NEW
		EXISTING
		POINT OF [R] PLUMBING CONNECTION TO [R]
✓	SAN	SANITARY LINE
	ST.	STORM LINE
✓	V	VENT LINE
✓	W	WASTE LINE
	T.	TRAP
	RD.	ROOF DRAIN
	RL	ROOF LEADER



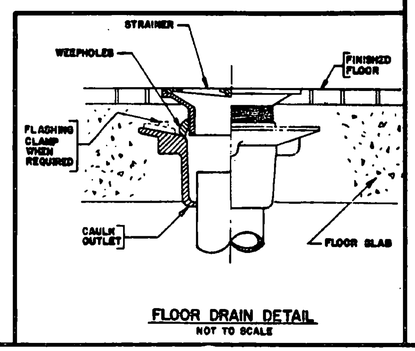
INCOMING WATER SERVICE DETAIL
NOT TO SCALE

PLUMBING FIXTURE & RUNOUT SCHEDULE

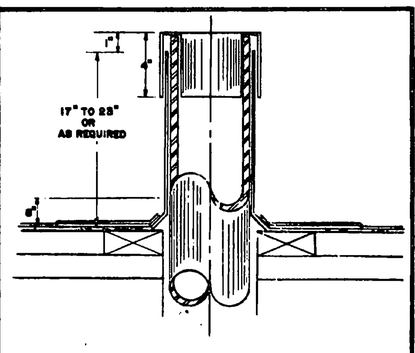
MARK	FIXTURE	DESCRIPTION	COLD WATER	HOT WATER	WASTE	VENT
P-1		WATER CLOSET (REG. USE)	1¼"		4"	2"
P-1A		WATER CLOSET (HANDI-CAP USE)	1¼"		4"	2"
P-2A		LAVATORY (WALL HUNG) HANDI-CAP USE	½"	½"	1½"	1½"
P-3A		DRINKING FOUNTAIN (WALL-HUNG) HANDI-CAP	(2) ½"		(2) 1½"	(2) 1½"
P-4		URINAL (WALL HUNG)	¾"	½"	2"	2"
P-5		JANITOR SINK			3"	2"



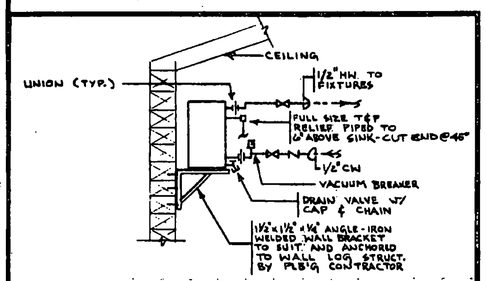
HOT & COLD WATER RISER DIAGRAM
NOT TO SCALE



FLOOR DRAIN DETAIL
NOT TO SCALE



ROOF VENT DETAIL
NOT TO SCALE



DOMESTIC HOT WATER HEATER DETAIL
NOT TO SCALE

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:	SCALE:	REVISIONS:	DWG. NO.
3-19-96	AS NOTED	5-16-96	P-1
DRAWN BY: GN, KA	PROJECT NO. NH028-1095		11 OF 21

HEATING & VENTILATING LEGEND

- AIR SUPPLY
- AIR EXHAUST OR RETURN
- VD — VOLUME DAMPER
- MD — MOTORIZED DAMPER
- A.F.F. — ABOVE FINISH FLOOR TO CENTER LINE OF ITEM
- TRANSFER GRILLE
- T — 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 LPG INPUT, 60 MBH OUTPUT, 1234 CFM @ .5" STATIC PRESSURE, 1/5 HP - 120 VOLT/SINGLE PHASE W/ 4 SPEED SETTINGS, WIRED TO MED. HIGH SETTING, FURNISH W/ VENT DAMPER & FILTER. UNIT MANUFACTURED BY THERMO PRIDE - HIGHBOY MODEL NO ZHA-75 SECTIONAL UNIT (SEE SPEC.)

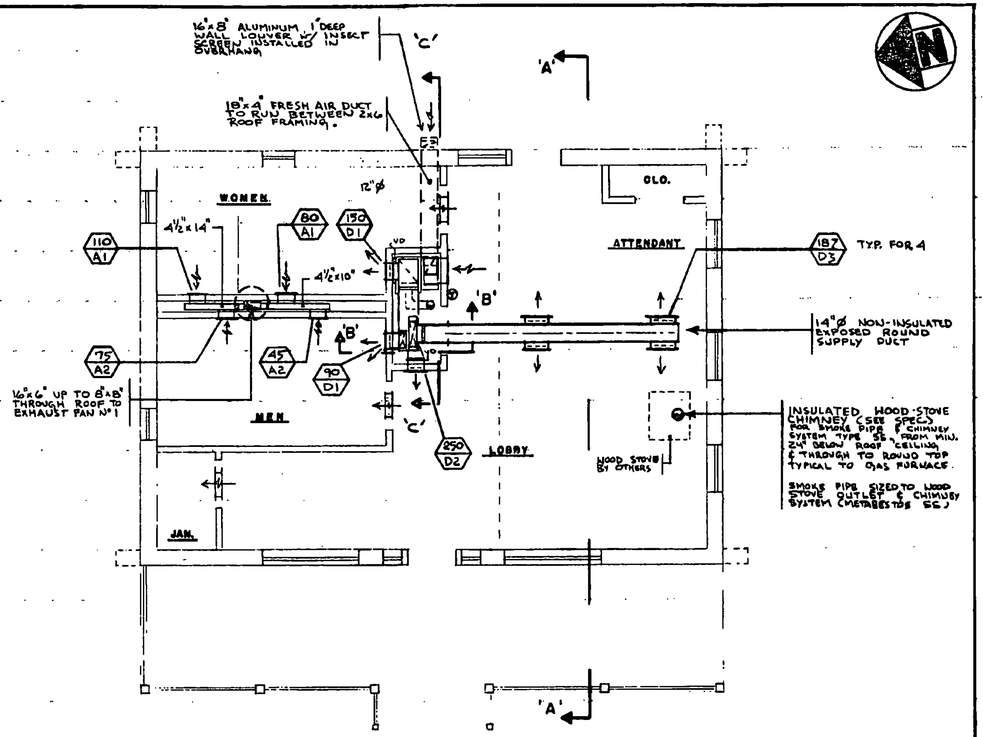
ROOF EXHAUST FAN #1 – BELT - DRIVE ROOF MOUNTED EXHAUST FAN W/ PITCH ROOF CURB RATED @ 314 CFM 3/8" S.P. 1/4 HP MOTOR; 1170 RPM WITH FAN HOUSING DISCONNECT SWITCH & MOTORIZED DAMPER, AS MANUFACTURER BY GREENHECK MODEL NO SB-80-4 (SEE SPEC.)

DIFFUSER, GRILLE & REGISTER SCHEDULE

LETTER — STEM

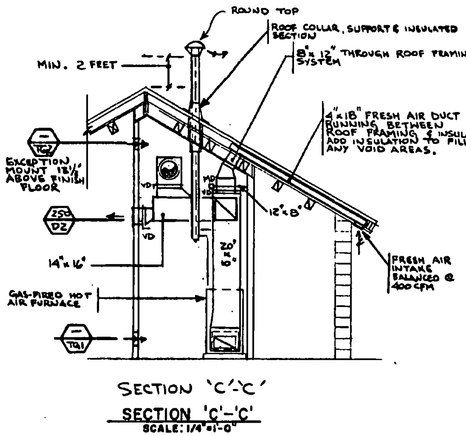
NO.	MAKE AND MODEL NO.	MOUNTING HEIGHT TO CENTER	NECK SIZE	OPPOSED BLADE DAMPER	CFM RANGE	AIR PATTERN	REMARKS
A1	TITUS #333RL	8'-6"	12"x8"	YES	100 - 150	38° DEFLEC.	ALL STEEL HEAVY DUTY
A2	" 333RL	8'-6"	10"x8"	YES	45 - 92	38° DEFLEC	
A3	" 350RL	10"	18"x8"	YES	350 - 475	0° DEFLEC	
A4	" 350RL	9'-6"	18"x18"	YES	500 - 850	0° DEFLEC	
D1	" 272RL	10'-6"	12"x6"	YES	90 - 195	DOUBLE DEFLECTION ADJUSTABLE	ALUMINUM
D2	" 272RL	9'-0"	12"x12"	YES	250 - 400		
D3	" 272RL	11'-6"	18"x6"	YES	170 - 250		
TG1	TRANSFER GRILLE #T-700	14"	18"x8"	N/A	-	SIGHT PROOF	ALL STEEL W/ FLANGE & BORDER
TG2	" T-700	9'-0"	18"x8"	N/A	-	SIGHT PROOF	

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



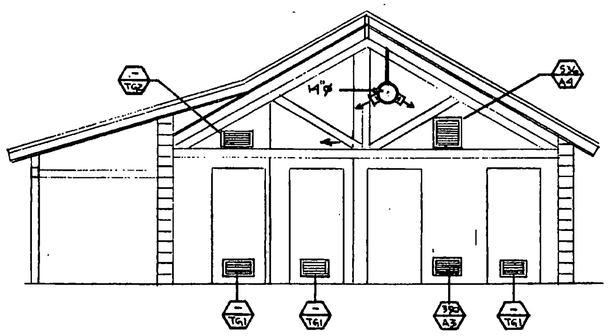
HEATING & VENTILATING - FLOOR PLAN

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

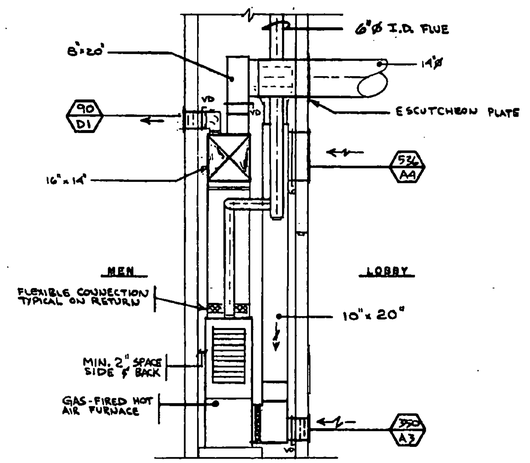


SECTION 'C'-'C'

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



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



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

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

ALBURG WELCOME CENTER
ALBURG
HEATING & VENTILATING - FLOOR PLAN, LEGEND, SECTIONS & NOTES

DATE: 3-19-95	SCALE: AS NOTED	REVISIONS: 5-16-96	DWG. NO. HV-1
DRAWN BY: KA	PROJECT NO. NHORB-K(17)S		12 OF 21

STATE OF VERMONT — BRUCE F. LAURENCE — No. 3448 — REGISTERED PROFESSIONAL ENGINEER

ELECTRICAL LEGEND

SYMBOLS USED ARE INDICATED BY A CHECK

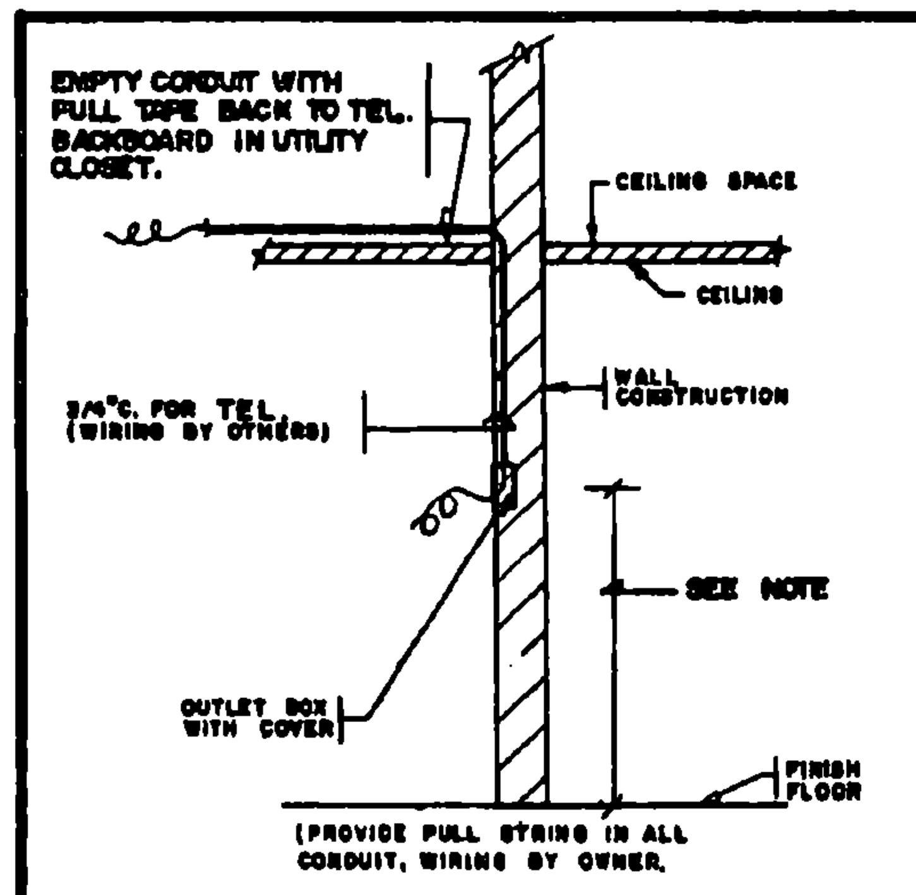
Symbol	Description
Ⓙ	JUNCTION BOX
	SINGLE RECEPTACLE 18" A.F.F.
	DUPLEX RECEPTACLE 18" A.F.F.
	DUPLEX GFI RECEPTACLE 38" AFF.
	TRACK LIGHT HEAD
	POWER PANEL
	FIRE-O-MATIC
	TELEPHONE OUTLET 18" AFF
	MOTOR STARTER
	DISCONNECT
H	FIRE HORN & LIGHT
T	TRANSFORMER
P 2	HOME RUN TO PANEL P (MIN: 3/4" CONDUIT)
	CONDUIT TURNING UP
	CONDUIT TURNER UP
	EXIT LIGHT
	FLOURESCENT LIGHT
	BATTERY POWERED EMERGENCY LIGHT
	POINT OF [N] ELEC. CONNECTION TO [E]
[N]	NEW
[E]	EXISTING
S	SINGLE POLE SWITCH 48" A.F.F.
S_3	THREE-WAY SWITCH 48" A.F.F.
A.F.F.	ABOVE FINISHED FLOOR
A.F.C.	ABOVE FINISHED COUNTER
	INCANDESCENT CEILING LIGHT
	NIGHT LIGHT
	DUPLEX RECEPTACLE IN FLOOR
©	CLOCK OUTLET 7'-0" AFF
— SM —	MOTOR THERMAL SWITCH
A.H.U.	AIRHANDLING UNIT
TTY	TTY TELEPHONE OUTLET
	COMPUTER OUTLET 18" AFF.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & DESCRIPTION	LAMPS WATT.	LAMPS TYPE	MOUNTING	FINISH	REMARKS
A	DAY-O-LITE VANDALPROOF NO. VPR-240-VR PROVIDE MOUNTING STEMS OR AIRCRAFT CABLE	2-32	F-32 T-8 R.S.	SUSPENDED BOTTOM OF FIXTURES 9'-0" AFF MINIMUM	WHITE	PROVIDE TAMPERPROOF SCREWS
B	LOBBY PROGRESS NO. P5117-45	1-100	100W A-19	SUSPENDED BOTTOM OF FIXTURES 9'-0" AFF	GREEN SHADE POLISHED BRASS	
C	PORCH WALL LUMINAIRE PROGRESS NO. P5650-11	1-100	100W A-19	WALL 7'-6" AFF.	BRASS	PROVIDE TAMPERPROOF SCREWS
D	TRACK LIGHTING PROGRESS NO. P6254-10	75	75W PAR16	CEILING & WALL	BRASS	PROVIDE BRASS TRACKS (2) 8' & (1) 2' 7 HEADS
E	EXIT SIGN FAILSAFE NO. EXF-1-RW-120-ESP	2-9	9W PL BIAX	SURFACE COORDINATE WITH ARCH.	WHITE WITH RED LETTERS	INTEGRAL EMER. BATTERY PACK & TAMPERPROOF SCREWS.
F	CLOSET LIGHT FAILSAFE NO. F80-14-120	2-7	7W P.L. BIAX	WALL 7'-0" AFF.	ORAL/WHITE	
G						
H						

PANELBOARD SCHEDULE

PANEL	BRANCH BREAKERS QTY.	FRAME	TRIP	POLES	DESCRIPTION	BUS BARS	MTG.	REMARKS
PP1	2	100	20	1	RECEPTACLES	100 A 2 P. 120/208	SURF.	3#2 W#8 GND.
	3	100	20	1	INTERIOR LIGHTING			
	3	100	20	1	MECHANICAL EQUIP.			
	3	100	20	1	SPARES			
	7			1	SPACES.			
	1	100	100	2	MAIN BREAKER			



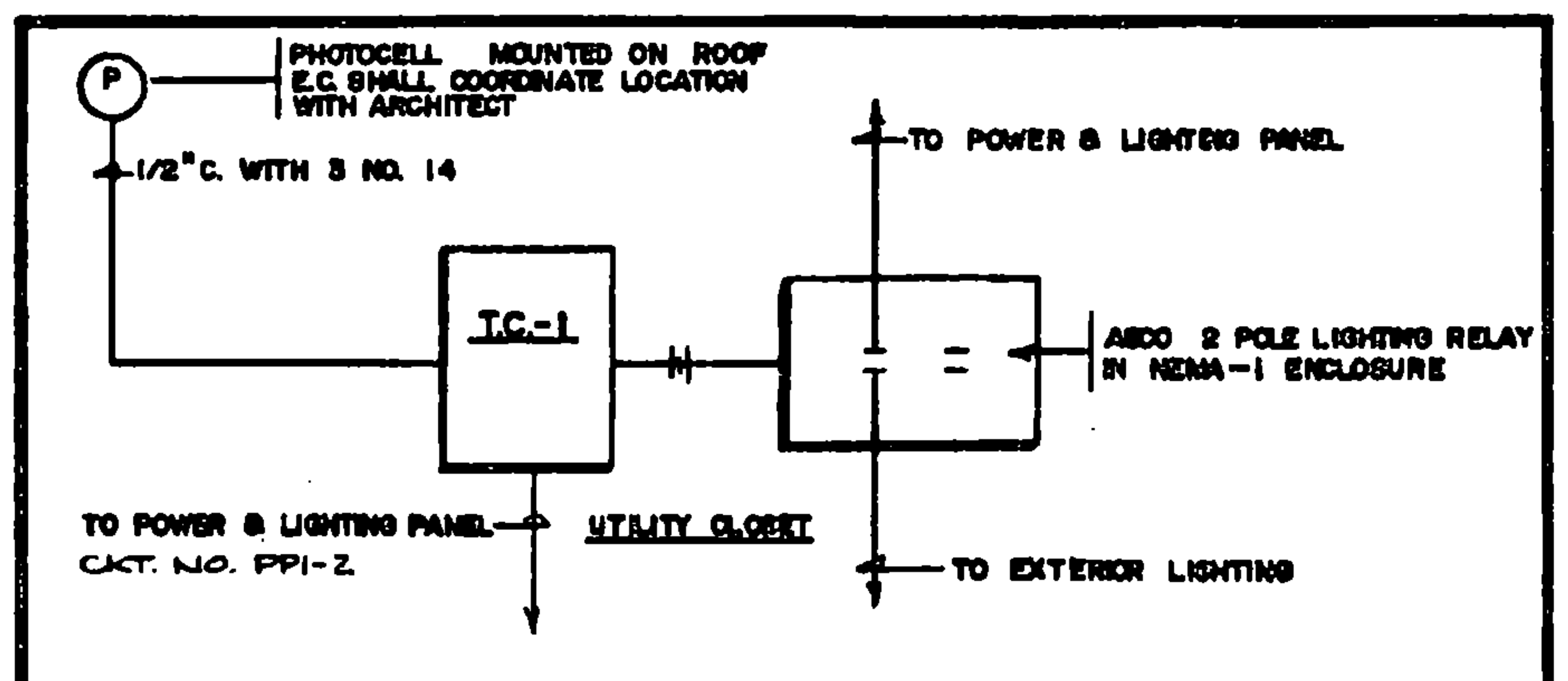
(PROVIDE PULL STRING IN ALL CONDUIT, WIRING BY OWNER.

TTY TELEPHONE OUTLET DETAIL

NOT TO SCALE

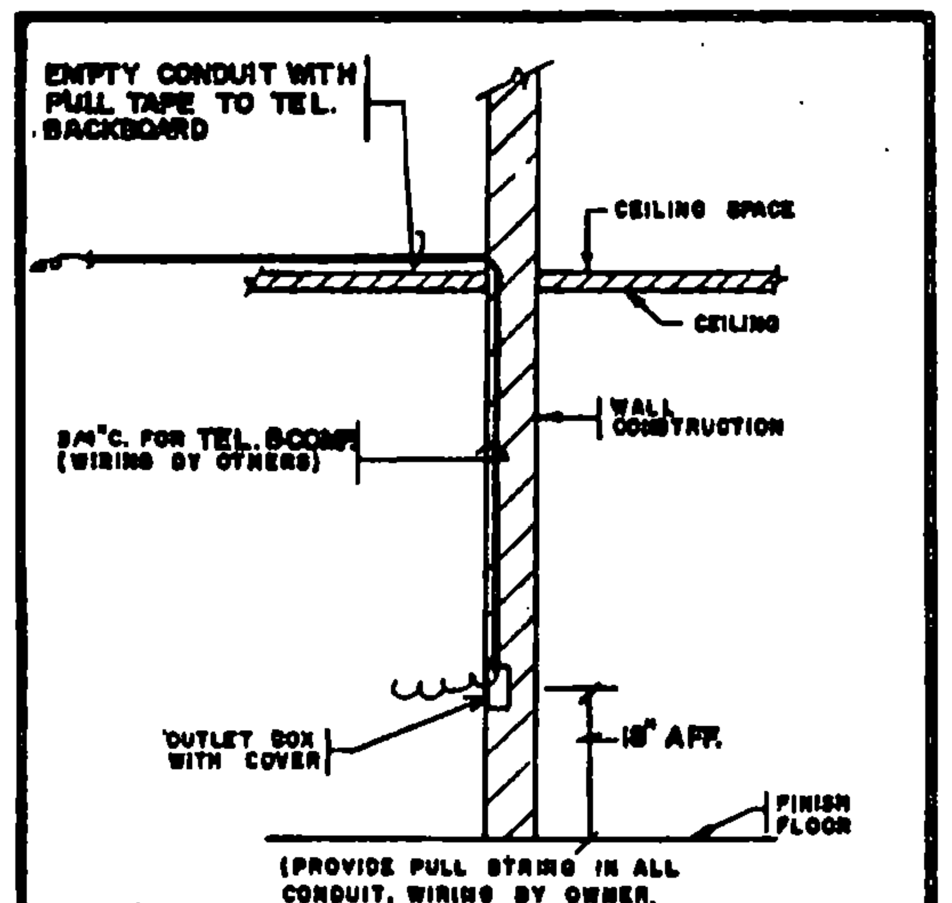
NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER BEFORE INSTALLING TELEPHONE OUTLET BOXES AND CONDUIT TO DETERMINE THE EXACT HEIGHT REQUIREMENTS OF EACH TELEPHONE OUTLET BOX. THESE HEIGHTS MAY VARY DEPENDING ON THE ACTUAL EQUIPMENT PURCHASED BY THE OWNER AND THE INDIVIDUAL TYPE AND ADA REQUIREMENTS OF EACH PHONE LOCATION. THE OWNER SHALL INFORM THE ELECTRICAL CONTRACTOR IN A TIMELY MANNER TO AVOID ANY WORK STOPPAGES OR DELAYS AS TO THE EXACT CHARACTERISTICS OF THE EQUIPMENT TO BE USED.



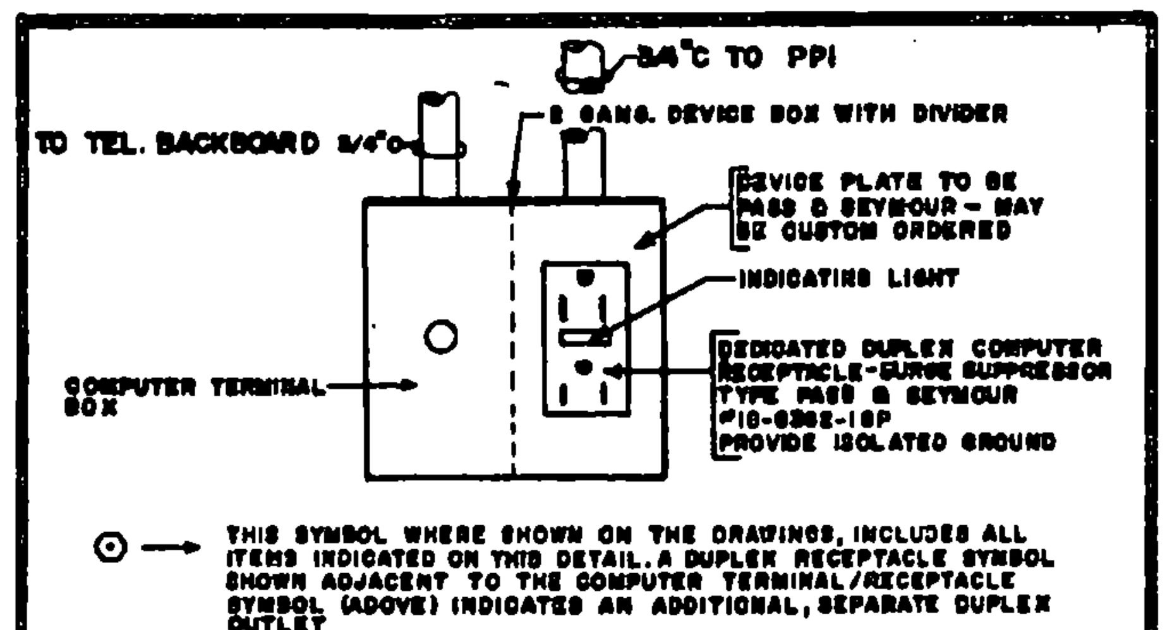
TIMECLOCK T.C.-1 DETAIL -EXTERIOR LIGHTING

NOT TO SCALE



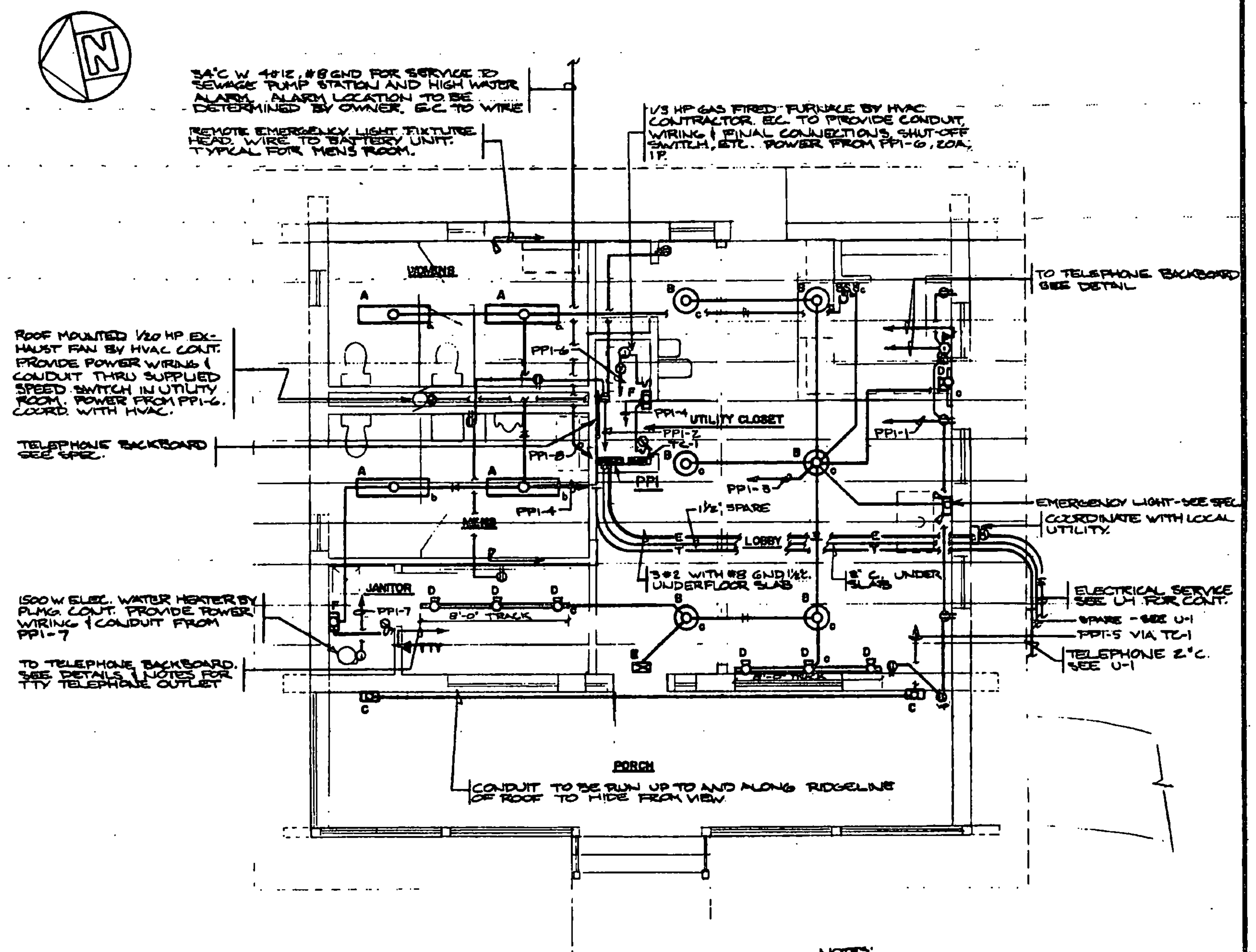
TELEPHONE & COMPUTER OUTLET DETAIL

NOT TO SCALE



COMPUTER TERMINAL /RECEPTACLE DETAIL

NOT TO SCALE



NOTES:

1. HVAC CONT. TO COORD. WITH ELEC. CONT. TO LOCATE TEMPERATURE CONTROL PANEL BELOW TC-1. PROVIDE POWER FROM PP1-2
2. ALL CONDUITS SHALL BE CONCEALED WHERE POSSIBLE. IE. USE ROOF STRUCTURE, PARTITIONS, UNDER FLOOR SLAB, ETC. WHERE NOT POSSIBLE, IE. SOLID LOG SOUTH WALL, CONDUIT SHALL BE RUN NEATLY AND SQUARELY AND SECURED PAINT PER ARCH. REQUIREMENTS.
3. COORDINATE WITH LOCAL TELEPHONE CO. PHONE # 802-334-3911.

ELECTRICAL — FLOOR PLAN

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

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

ALBURG WELCOME CENTER
ALBURG

ELECTRICAL - FLOOR PLAN , LEGEND , SCHEDULES & DETAILS

DATE:	SCALE:	REVISIONS:	DWG. NO.
3-19-96	AS NOTED	5-16-96	E-1
DRAWN BY: GN	PROJECT NO. NH028-1(17)S		13 OF 21

TEST PITS

TEST PIT #1

HORIZON	DEPTHS	SOIL, 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	SOIL, 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	SOIL, MOTTLES, WATER, & COMMENTS
A	0–12"	Dark brown topsoil
B	12–42"	Silty loam; mottles @ 23–24", saturated @ 32"

TEST PIT #4

HORIZON	DEPTHS	SOIL, MOTTLES, WATER, & COMMENTS
A	0–12"	Dark brown topsoil
B	12–36"	Fine sandy loam; no apparent mottles

TEST PIT #5

HORIZON	DEPTHS	SOIL, MOTTLES, WATER, & COMMENTS
A	0–12"	Dark brown topsoil
B	12–45"	Fine sandy loam; mottles @ 30"

TEST PIT #6

HORIZON	DEPTHS	SOIL, 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	SOIL, 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	SOIL, MOTTLES, WATER, & COMMENTS
A	0–12"	Dark brown topsoil
B	12–42"	Fine sandy loam; distinct mottles @ 32"

TEST PIT #9

HORIZON	DEPTHS	SOIL, 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	SOIL, MOTTLES, WATER, & COMMENTS
A	0–12"	Dark brown topsoil
B	12–42"	Silty & fine sandy loam w/some pcs. of fractured shale

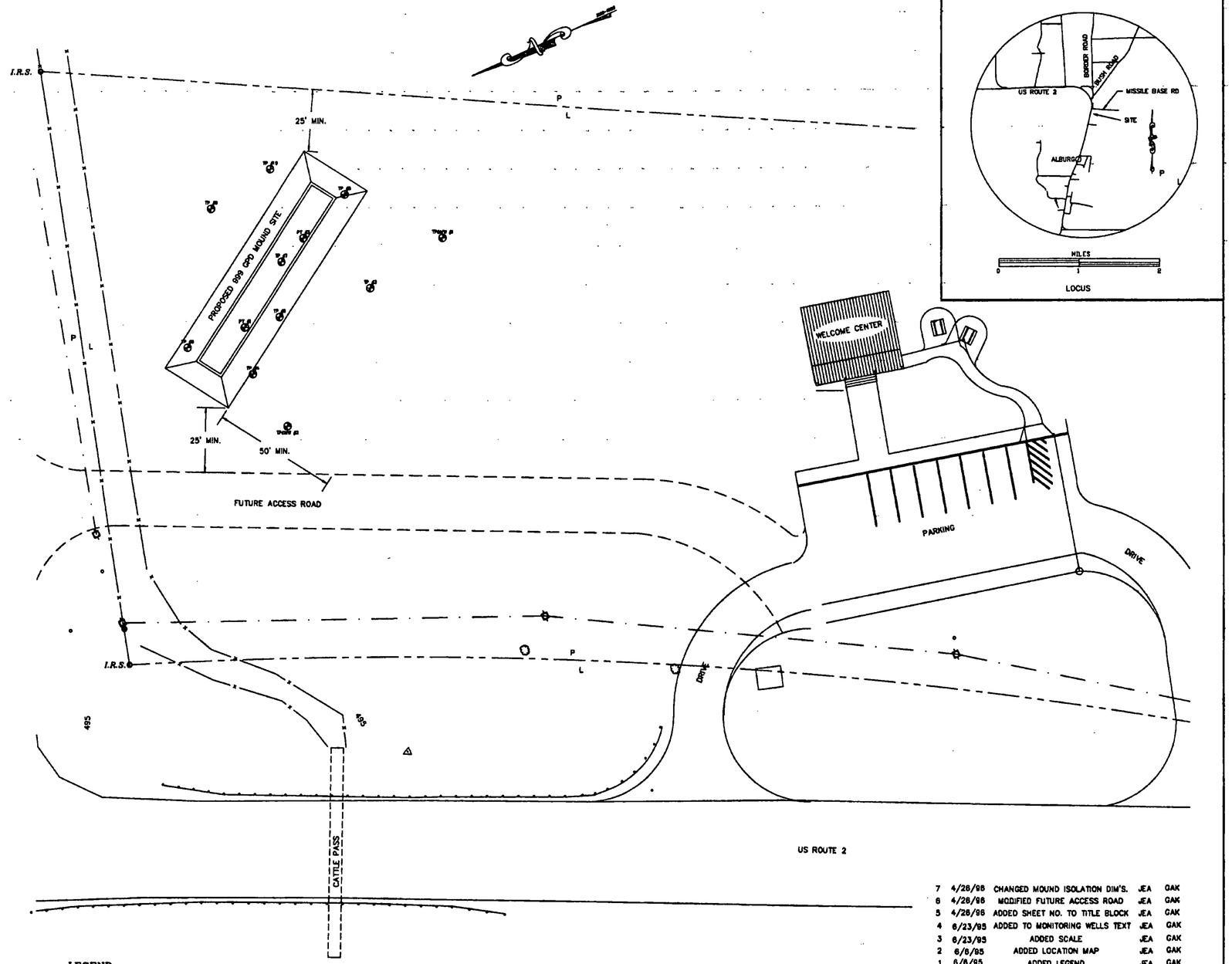
PERCOLATION TEST

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 – 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. — IRON ROD SET
- ——— PROPERTY LINE
- ——·——·—— POWER LINE
- P L ——x—— PROPERTY LINE & FENCE
- ——x—— CATTLE FENCE
- ○ UTILITY POLE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

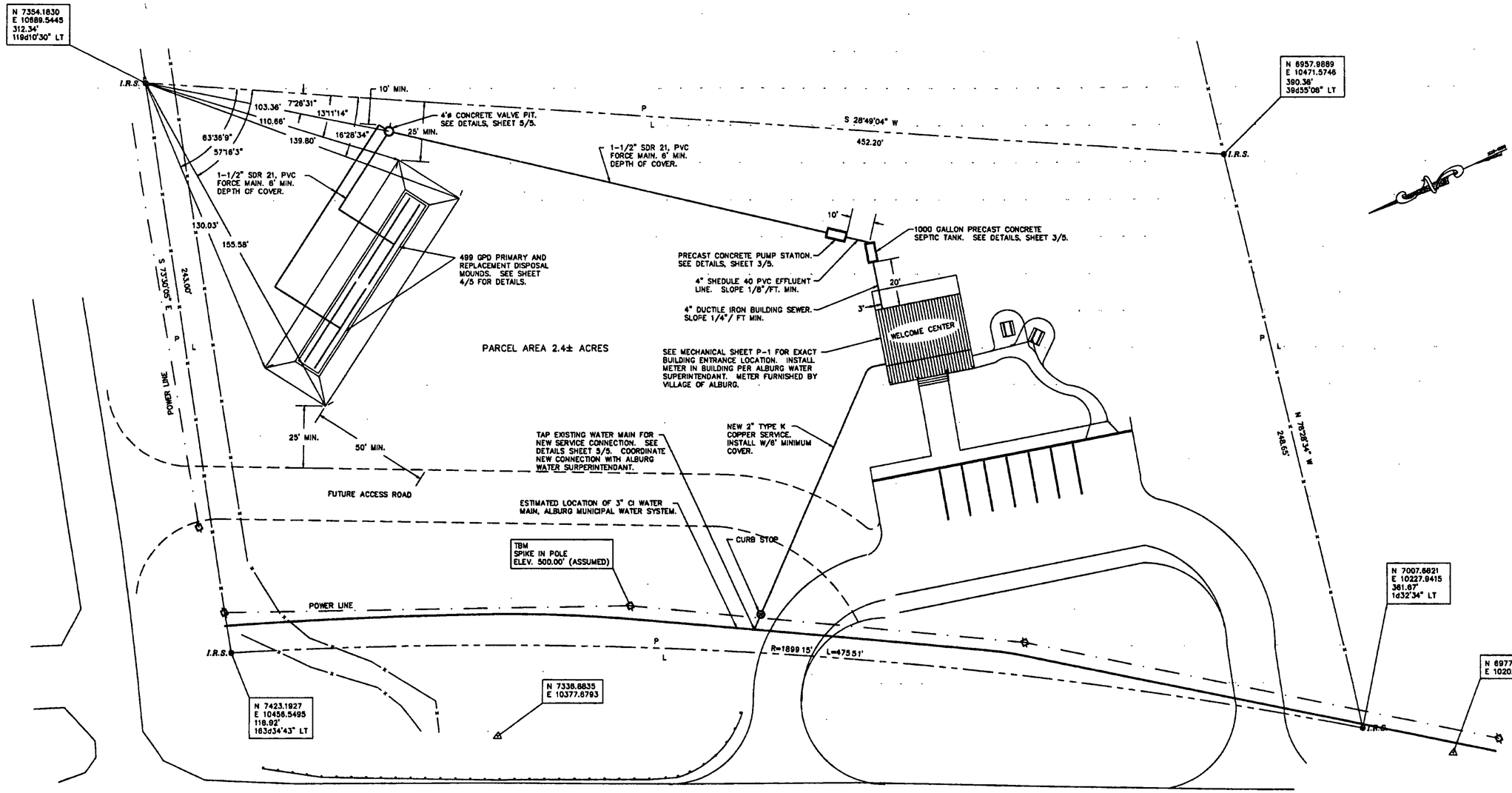
REV. NO.	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY
7	4/26/96	CHANGED MOUND ISOLATION DIM'S.	JEA	GAK	
6	4/26/96	MODIFIED FUTURE ACCESS ROAD	JEA	GAK	
5	4/26/96	ADDED SHEET NO. TO TITLE BLOCK	JEA	GAK	
4	6/23/95	ADDED TO MONITORING WELLS TEXT	JEA	GAK	
3	6/23/95	ADDED SCALE	JEA	GAK	
2	6/8/95	ADDED LOCATION MAP	JEA	GAK	
1	6/6/95	ADDED LEGEND	JEA	GAK	

STATE OF VERMONT · JON E. ALLEN · No. 2234 · REGISTERED PROFESSIONAL ENGINEER

ALBURG WELCOME CENTER
ALBURG, VERMONT

SEWAGE DISPOSAL SYSTEM
SITE & SOILS INVESTIGATION
NH028-1(17)S

DRAWN	VERMONT SURVEY and ENGINEERING, INC. SURVEYORS and CIVIL ENGINEERS	PROJECT NO.
JEA	58 EAST STATE STREET • MONTPELIER, VERMONT • 05602	11295
SCALE: 1" = 20.00'	SUBMITTED: JON E. ALLEN — DATE: 5/17/95	DRAWING NO. 1/5
		SHEET NO. 14/21



GRAPHIC SCALE

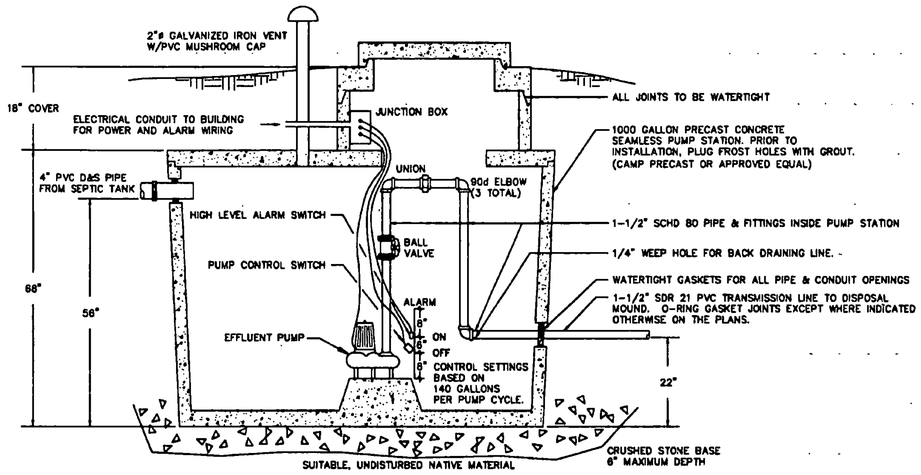
(IN FEET)
1 inch = 20 ft.

REV. NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY
9	4/26/96	CHANGED WATER SERVICELINE TO 2"	JEA	GAK	
8	4/26/96	CHANGED BUILDING WATERLINE ENTRANCE NOTE	JEA	GAK	
7	4/26/96	CHANGED BUILDING WATERLINE ENTRANCE LOCATION	JEA	GAK	
6	4/26/96	ADDED MOUND LAYOUT DIMENSIONS	JEA	GAK	
5	4/26/96	MODIFIED FUTURE ACCESS ROAD	JEA	GAK	
4	4/26/96	ADDED SHEET NO. TO TITLE BLOCK	JEA	GAK	
3	8/23/95	ADDED PARCEL AREA	JEA	GAK	
2	6/22/95	ADDED P/L COURSE AND DISTANCE	JEA	GAK	
1	6/7/95	ADDED WATER CONNECTION	JEA	GAK	

STATE OF VERMONT
JON E. ALLEN
No. 3334
REGISTERED
PROFESSIONAL ENGINEER

ALBURG WELCOME CENTER
ALBURG, VERMONT
SEWAGE DISPOSAL SYSTEM PLAN
NH 028-1(17)S

DRAWN		PROJECT NO.
JEA	VERMONT SURVEY and ENGINEERING, INC. SURVEYORS and CIVIL ENGINEERS 58 EAST STATE STREET • MONTPELIER, VERMONT • 05602	11295
SCALE: 1" = 20.00'	SUBMITTED: JON E. ALLEN	DATE: 5/17/95
		DRAWING NO. 2/5
		SHEET NO. 15/21

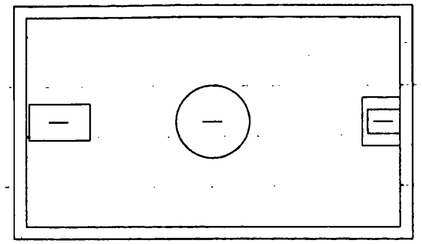


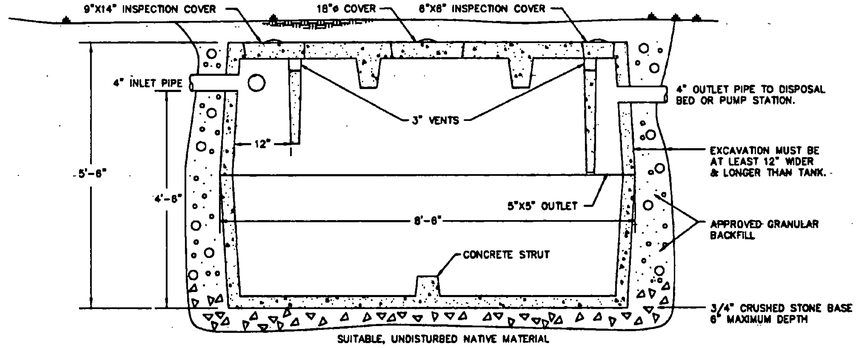
PUMPING SYSTEM

1. PUMP – HYDROMATIC SHEF33, OR APPROVED EQUAL; 230V, 1P, 26 GPM @ 19 TDH
2. SYSTEM SHALL BE INSTALLED WITHOUT A CHECK VALVE WITH FORCE MAIN CAPABLE OF BACK DRAINING.
3. CONTROLS – MODEL JSD, S.J. ELECTRO SYSTEMS MERCURY TILT SWITCH, OR APPROVED EQUAL; SET @ 140 GALS. PUMPED VOLUME PER CYCLE. CONTRACTOR RESPONSIBLE FOR SETTINGS IF HE SUBSTITUTES ANOTHER PUMP STATION.
4. HIGH WATER ALARM – MODEL LB-50, OHIO ELECTRIC CONTROL, INC., OR APPROVED EQUAL. AUDIO & VISUAL ALARM INSTALLED IN THE WELCOME CENTER @ THE OWNER'S LOCATION.

PUMP STATION

NOT TO SCALE

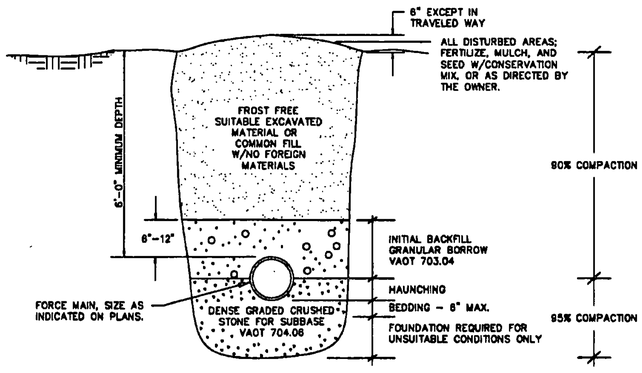




SEPTIC TANK

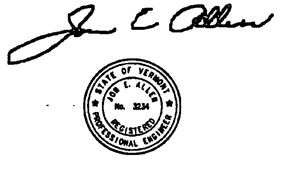
NOT TO SCALE

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. KEYED JOINT SEALED WITH ASPHALT CEMENT OR EQUIVALENT.
5. PRIOR TO INSTALLATION, PLUG FROST HOLES WITH GROUT.



SEWER LINE TRENCH TYPICAL

NOT TO SCALE



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 Alburg 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 Alburg water superintendant. Install water meter in the Visitors Center building as designated by the water superintendant. Meter will be provided by Alburg 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"	1"	3/4"	3/8"
% Passing	100	90-100	20-55	0-15	0-5

2. Sand for disposal mound:

Sieve Designation.	10	40	200
% Passing	85	30-50	5-10

3. 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:

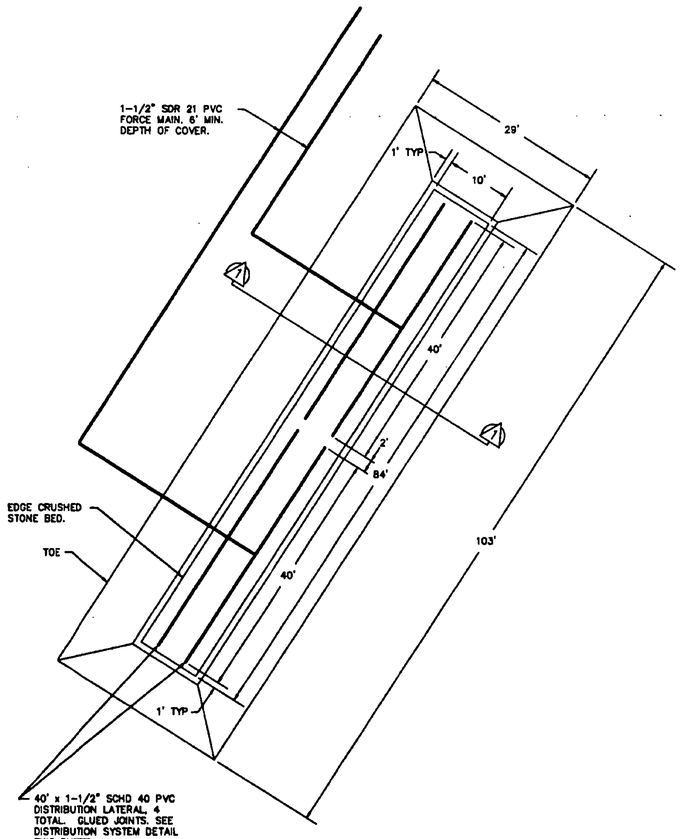
   1. Vault – 1000 gallon precast, seamless concrete; Camp Precast or approved equal. Frost holes shall be properly plugged with grout prior to installation.
   2. Pump – Hydromatic SHEF33 Effluent Pump or approved equal, 26 gpm @ 19 ft TDH.
   3. Pump Controls – Model JSD, S.J. Electro Systems mercury 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, Ohio Electric Control, INC., or approved equal. Audio & visual alarm installed in the Vistor's Center at owner's location.

REV. NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY
4	4/28/95	ADDED SHEET NO. TO TITLE BLOCK	JEA	GAK	
3	6/6/95	ADDED VENT & VALVE TO PUMP STA.	JEA	GAK	
2	6/6/95	ADDED WATER TO SPECIFICATIONS	JEA	GAK	
1	6/5/95	MOVED VALVE PIT TO 5/5	JEA	GAK	

ALBURG WELCOME CENTER
ALBURG, VERMONT

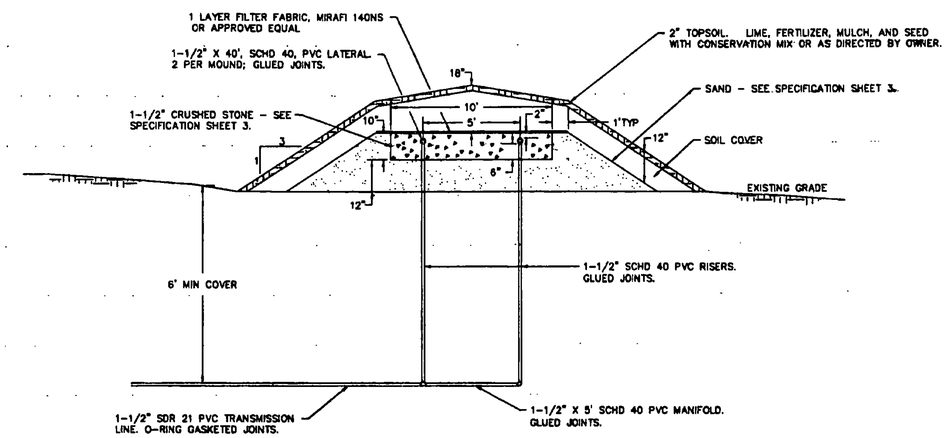
SEWAGE DISPOSAL SYSTEM
DETAILS
NH 028-1(17)S

DRAWN	VERMONT SURVEY and ENGINEERING, INC. SURVEYORS and CIVIL ENGINEERS	PROJECT NO.
JEA	58 EAST STATE STREET • MONTPELIER, VERMONT • 05602	11295
SCALE: AS INDICATED	SUBMITTED: JON E. ALLEN	DATE: 5/17/95
		DRAWING NO. 3/5
		SHEET NO. 16/21



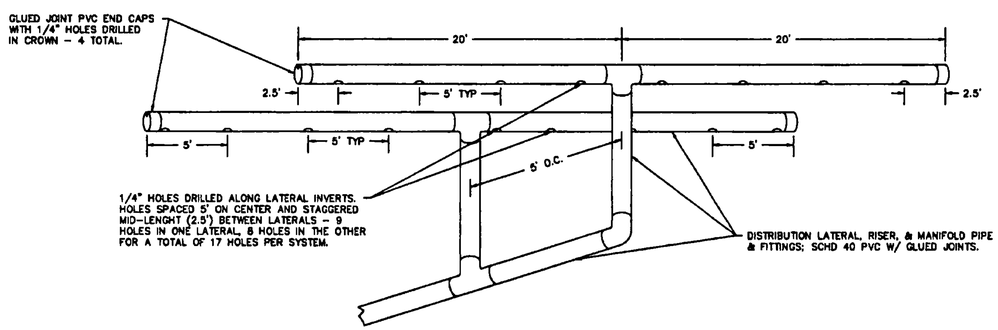
DISPOSAL MOUND DETAIL PLAN

SCALE: 1" = 10.0'



DISPOSAL MOUND DETAIL SECTION 1

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



DISPOSAL MOUND DISTRIBUTION PIPING

SCALE: NONE

DISPOSAL MOUND CONSTRUCTION REQUIREMENTS
IN CONFORMANCE WITH EPR 7.14E8

1. To prevent compaction, construction equipment shall not be moved across the plowed surface or the effluent dispersal area. However, after placement of 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 should be cut flush with the surface of the ground and roots should not be pulled. Once plowing of the mound area is completed, the area shall be fenced to prevent vehicles and equipment from entering the plowed area.

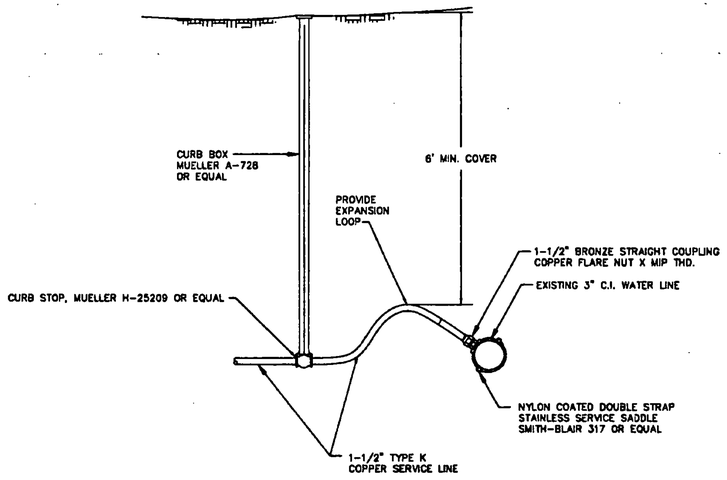
3. The area surrounding the mound shall be graded to provide diversion of surface run-off waters.

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 creviced bedrock is the limiting layer). This depth will permit excavation of trenches or bed to accommodate the crushed stone (9") necessary for the distribution piping. After hand leveling of the absorption area, 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 a minimum of eighteen (18) inches over the center of the mound. 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.

REV. NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY
2	4/26/96	ADDED SHEET NO. TO TITLE BLOCK	JEA	GAK	
1	6/23/95	ADDED MOUND CONSTRUCTION NOTES	JEA	GAK	

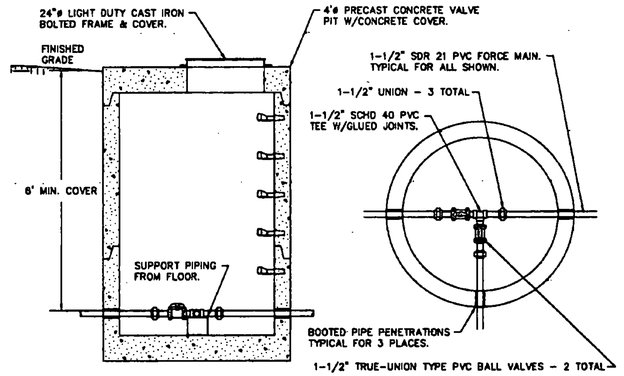
ALBURG WELCOME CENTER
ALBURG, VERMONT
SEWAGE DISPOSAL SYSTEM
DISPOSAL MOUND DETAILS
NH 028-1(17)S

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. 4/5
			SHEET NO. 17/21



BUILDING WATER SERVICE CONNECTION

SCALE: NONE



VALVE PIT DETAILS

SCALE: NONE

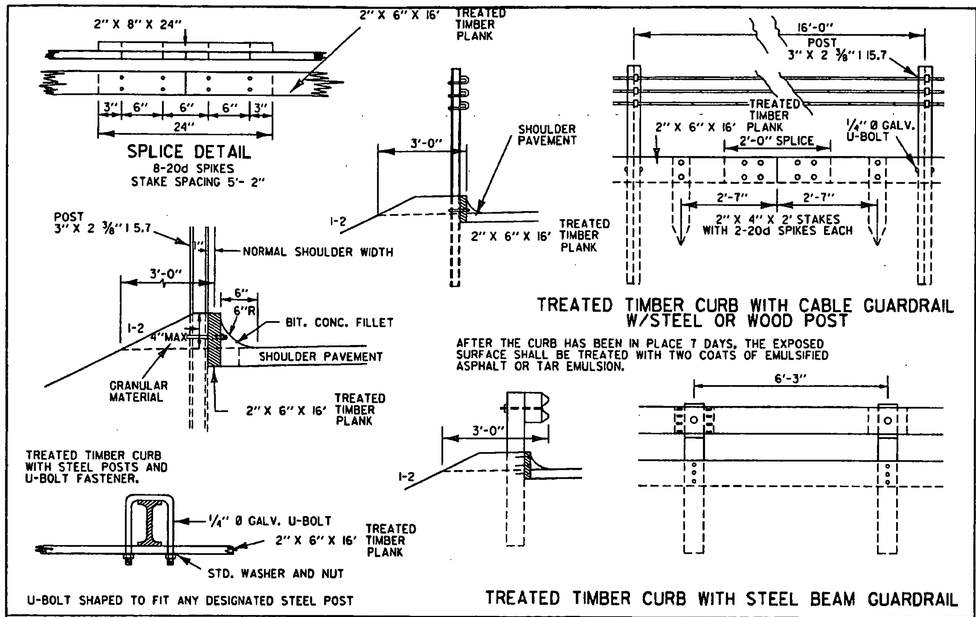
2	4/28/98	ADDED SHEET NO. TO TITLE BLOCK	JEA	OAK	
1	6/5/95	ADDED THIS SHEET	JEA	OAK	

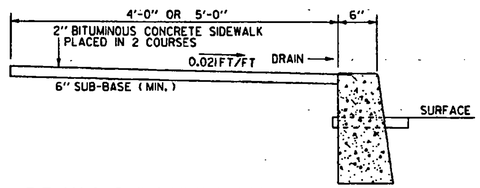
REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

ALBURG WELCOME CENTER
ALBURG, VERMONT

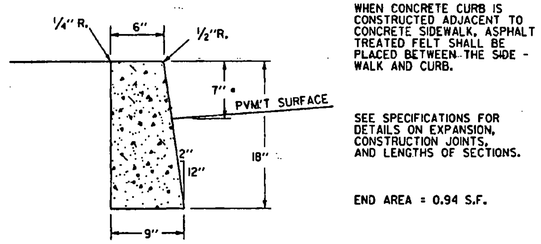
SEWAGE DISPOSAL SYSTEM
MISCELLANEOUS DETAILS
NH 028-1(17)S

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: 6/5/95	DRAWING NO. 5/5
			SHEET NO. 18/21





BITUMINOUS CONCRETE SIDEWALK

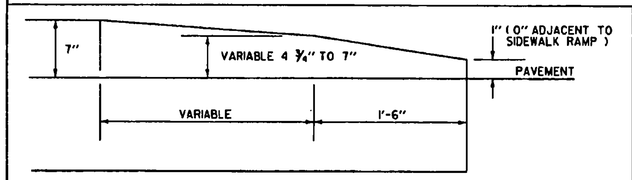


WHEN CONCRETE CURB IS CONSTRUCTED ADJACENT TO CONCRETE SIDEWALK, ASPHALT TREATED FELT SHALL BE PLACED BETWEEN THE SIDE - WALK AND CURB.

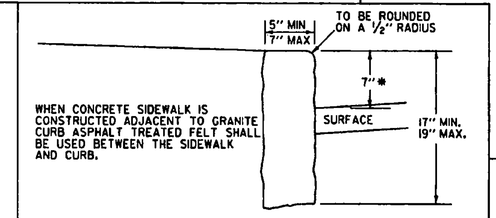
SEE SPECIFICATIONS FOR DETAILS ON EXPANSION, CONSTRUCTION JOINTS, AND LENGTHS OF SECTIONS.

END AREA = 0.94 S.F.

CAST IN PLACE CONCRETE CURB, TYPE B



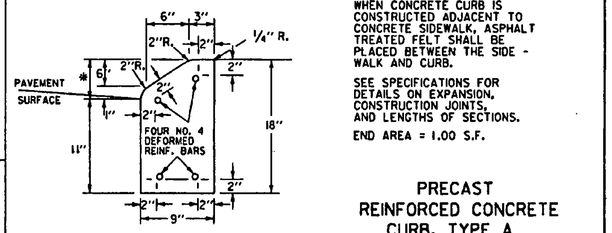
DETAIL OF CONCRETE CURB END FOR PRECAST REINFORCED CONCRETE CURB OR CAST IN PLACE CONCRETE CURB



VERTICAL GRANITE CURB

NOTE

* HEIGHT NOT TO EXCEED 4" WHEN CURBING IS INSTALLED ADJACENT TO GUARDRAIL (STANDARD SHAPE TO BE BURIED TO THIS DEPTH)

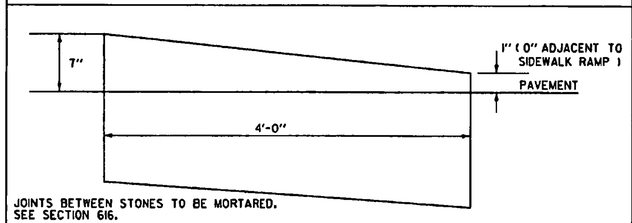


WHEN CONCRETE CURB IS CONSTRUCTED ADJACENT TO CONCRETE SIDEWALK, ASPHALT TREATED FELT SHALL BE PLACED BETWEEN THE SIDE - WALK AND CURB.

SEE SPECIFICATIONS FOR DETAILS ON EXPANSION, CONSTRUCTION JOINTS, AND LENGTHS OF SECTIONS.

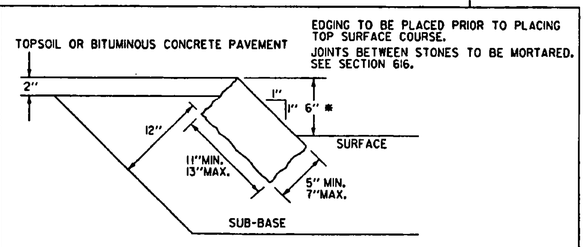
END AREA = 1.00 S.F.

PRECAST REINFORCED CONCRETE CURB, TYPE A

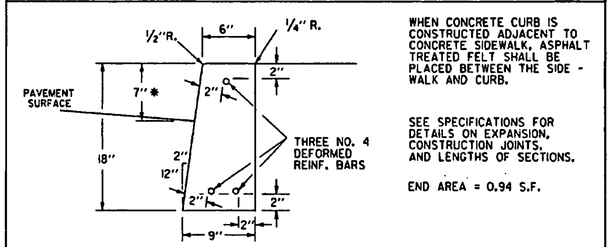


JOINTS BETWEEN STONES TO BE MORTARED. SEE SECTION 616.

DETAIL OF GRANITE CURB END FOR VERTICAL GRANITE CURB



GRANITE SLOPE EDGING



WHEN CONCRETE CURB IS CONSTRUCTED ADJACENT TO CONCRETE SIDEWALK, ASPHALT TREATED FELT SHALL BE PLACED BETWEEN THE SIDE - WALK AND CURB.

SEE SPECIFICATIONS FOR DETAILS ON EXPANSION, CONSTRUCTION JOINTS, AND LENGTHS OF SECTIONS.

END AREA = 0.94 S.F.

PRECAST REINFORCED CONCRETE CURB, TYPE B

REVISIONS AND CORRECTIONS

DEC. 8, 1971 - ORIGINAL APPROVAL DATE
NOV 16, 1992 - CHANGED 6" CURB TO 4"
JUNE 1, 1994 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.

APPROVED

APPROVED FOR THIS PROJECT AND/OR DESIGN IMPLEMENTATION. FHWA FINAL APPROVAL PENDING.

DIRECTOR OF ENGINEERING

DESIGN ENGINEER

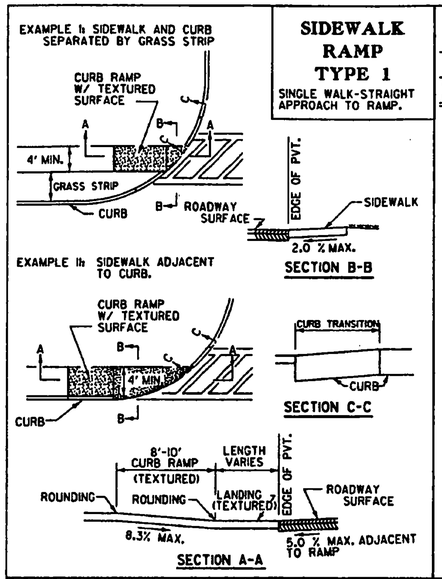
GRANITE SLOPE EDGING
VERTICAL GRANITE CURB
PRECAST REINFORCED CONCRETE CURB
CAST IN PLACE CONCRETE CURB
TREATED TIMBER CURB

VERMONT AGENCY OF TRANSPORTATION

STANDARD
C-1

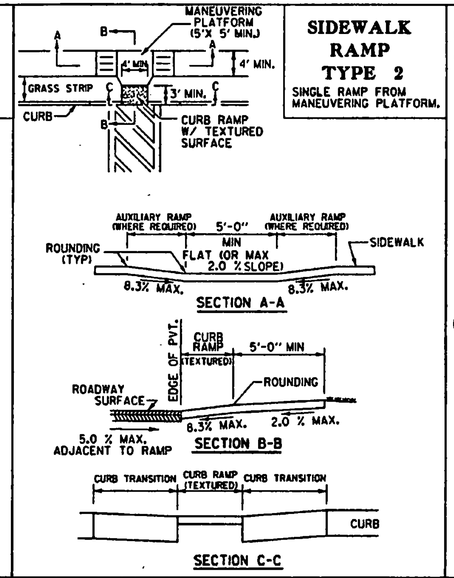
SIDEWALK RAMP TYPE 1

SINGLE WALK-STRAIGHT APPROACH TO RAMP.



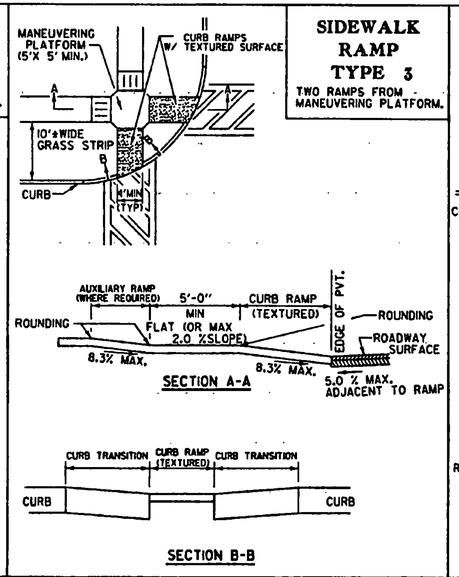
SIDEWALK RAMP TYPE 2

SINGLE RAMP FROM MANEUVERING PLATFORM.



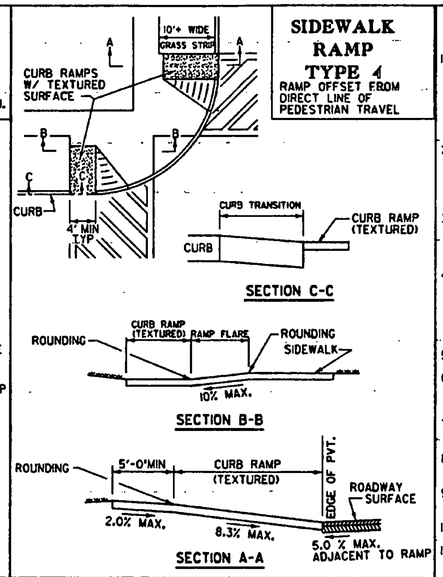
SIDEWALK RAMP TYPE 3

TWO RAMPS FROM MANEUVERING PLATFORM.



SIDEWALK RAMP TYPE 4

RAMP OFFSET FROM DIRECT LINE OF PEDESTRIAN TRAVEL

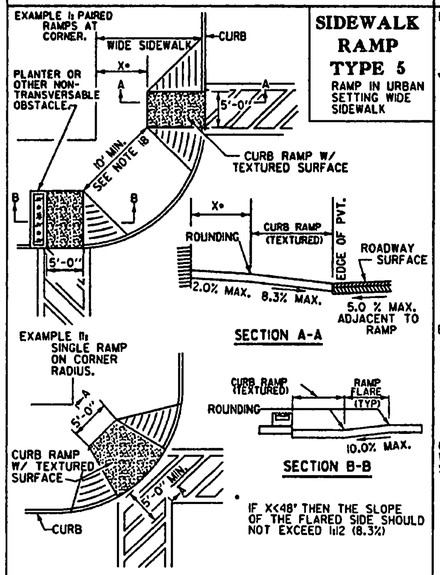


GENERAL NOTES:

1. THE DIMENSIONS AND GRADES SHOWN ON THIS STANDARD WILL BE ADHERED TO IN THE DESIGN AND THE CONSTRUCTION OF SIDEWALK RAMPS. WHERE SIDEWALKS RUN ADJACENT TO ROADWAYS ON STEEP (5% OR GREATER) GRADES, RAMP GRADES WILL BE AS FLAT AS POSSIBLE. (ON LOW SIDE OF DRIVES AND INTERSECTING SIDE STREETS, RAMPS SHALL SLOPE TOWARDS DRIVE OR SIDE STREET @ 2%)
2. MINIMUM RAMP WIDTH:
   A. 4' WHERE RAMP MAY BE APPROACHED DIRECTLY.
   B. 5'-0" WHERE THE RAMP MUST BE (OR OFTEN WILL BE) APPROACHED FROM THE SIDE, TO PROVIDE MANEUVERING ROOM FOR WHEELCHAIRS.
3. ALLOWABLE GRADES ON RAMPS:
   A. 8.3% MAXIMUM WHERE RAMP IS APPROACHED DIRECTLY, 2.0% WHERE RAMP IS APPROACHED FROM THE SIDE.
   B. FLATTER GRADES WILL BE PROVIDED WHERE FEASIBLE.
4. ALLOWABLE GRADES ON FLARES ADJACENT TO RAMPS:
   A. 10.0% MAXIMUM WHEN DIRECTLY IN PATH THAT PEDESTRIANS MUST USE.
   B. 8.3% MAXIMUM WHEN NORMALLY USED BY WHEELCHAIRS TO ENTER OR EXIT RAMP.
   C. FLATTER GRADES WILL BE PROVIDED WHERE FEASIBLE.
5. CROSS SLOPES ON RAMP SURFACES SHALL NOT EXCEED 2.0%.
6. AN OVERRUN DISTANCE OF 5' MINIMUM SHOULD BE PROVIDED AT THE TOP AND BOTTOM OF SIDEWALK RAMPS TO ALLOW FOR STOPPING AND MANEUVERING OF WHEELCHAIRS.
7. TRANSITIONS (GRADE CHANGES) AT TOPS AND BOTTOMS OF RAMPS AND FLARES SHOULD BE ROUNDED.
8. VERTICAL DROP-OFF EDGES TO RAMPS WILL NOT BE BUILT UNLESS THE RAMP ABUTS AN AREA WHICH WILL NOT BE USED BY PEDESTRIANS.
9. NO VERTICAL "LIP" OR "CURB REVEAL" WILL BE PROVIDED WHERE THE RAMP ADJOINS THE ROADWAY.
10. RAMPS SHALL IN ALL CASES DIRECT USERS INTO THE CROSSWALK AREA.
11. WHERE POSSIBLE, SIDEWALK RAMPS AND FLARES SHOULD BE LOCATED OUTSIDE THE DIRECT LINE OF TRAVEL MOST LIKELY TO BE FOLLOWED BY THE VISUALLY IMPAIRED.
12. SIDEWALK RAMPS SHOULD NOT BE LOCATED WHERE THEIR USE MAY BE PREVENTED BY SIGNS, POLES, PLANTERS, MAILBOXES, ETC.
13. WHERE POSSIBLE, SIDEWALK RAMPS SHOULD NOT BE LOCATED WHERE USERS MUST CROSS DROP INLET GRATES, MANHOLE COVERS OR OTHER ACCESS LIDS. IF THIS CANNOT BE AVOIDED THEN GRATE DESIGN AND PLACEMENT SHALL CONFORM TO ADA REQUIREMENTS.
14. CURB DRAINAGE SHOULD BE CONSTRUCTED SO AS TO PRECLUDE THE FLOW OF WATER PAST THE SIDEWALK RAMP.
15. WHERE CURB CORNER RADIUS EXCEEDS 25', TWO SIDEWALK RAMPS ARE RECOMMENDED IN PREFERENCE TO A SINGLE RAMP.
16. JOINTS WILL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT SIDEWALK SPECIFICATIONS, HOWEVER EXPANSION JOINTS WITHIN THE SIDEWALK RAMP AREA WILL BE AVOIDED WHEREVER POSSIBLE.
17. SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT EXCEED 1:20 (5%). NO LIP IS ALLOWED WHERE SIDEWALK RAMP MEETS THE GUTTER.
18. THIS DIMENSION SHALL BE ATTAINED WHERE POSSIBLE TO AVOID THE ROLLER COASTER EFFECT.

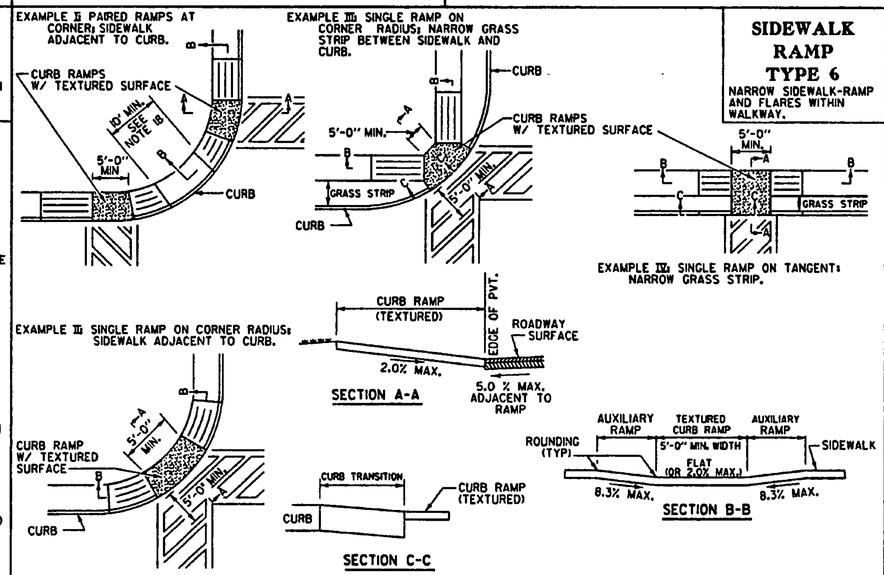
SIDEWALK RAMP TYPE 5

RAMP IN URBAN SETTING WIDE SIDEWALK

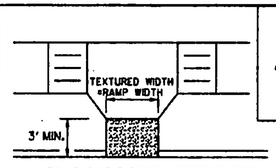


SIDEWALK RAMP TYPE 6

NARROW SIDEWALK-RAMP AND FLARES WITHIN WALKWAY.



SIDEWALK RAMP TEXTURING DETAILS



TEXTURING NOTES:

1. ALL SIDEWALK RAMPS PROVIDING ACCESS TO AN ADJACENT ROADWAY SHALL RECEIVE AN APPROVED TEXTURED TREATMENT WHICH SHALL BE SLIP-RESISTANT AS WELL AS DETECTABLE BY CANE BY THE VISUALLY IMPAIRED.
2. TEXTURING SHALL EXTEND THE FULL WIDTH AND DEPTH OF THE RAMP.
3. TEXTURES SHALL CONTRAST WITH THAT OF THE SURROUNDING SURFACE. APPROVED TEXTURED TREATMENTS ARE AS FOLLOWS:
   A. FOR PORTLAND CEMENT CONCRETE RAMPS: EXPOSED AGGREGATE SURFACE. THE METHOD FOR ACHIEVING THE EXPOSED AGGREGATE SURFACE SHALL COMPLY WITH PROCEDURES SPECIFIED BY APPROVED VENDORS OF CONCRETE RETARDING ADDITIVES USED FOR THIS PURPOSE.
   B. BRICK SURFACES MAY BE USED FOR BOTH BITUMINOUS CONCRETE AND PORTLAND CEMENT CONCRETE RAMPS.
4. TEXTURING, INCLUDING NECESSARY MATERIALS, TOOLS, EQUIPMENT AND LABOR, SHALL BE CONSIDERED SUBSIDIARY TO THE SIDEWALK PAY ITEM.

REVISIONS AND CORRECTIONS

SEPT. 15, 1993 - REVISED TO CONFORM TO ADA REQUIREMENTS

JUNE 1, 1994 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.

APPROVED

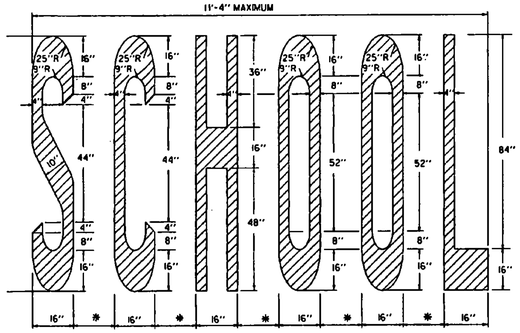
DIRECTOR OF ENGINEERING

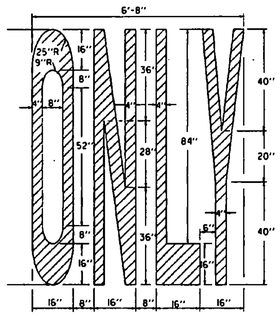
DESIGN ENGINEER

SIDEWALK RAMPS

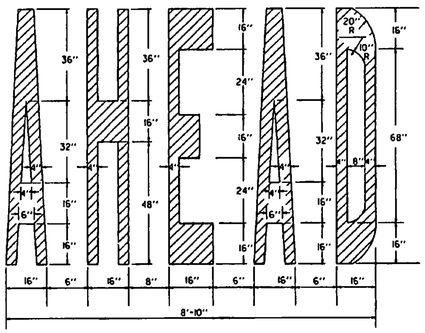
VERMONT AGENCY OF TRANSPORTATION

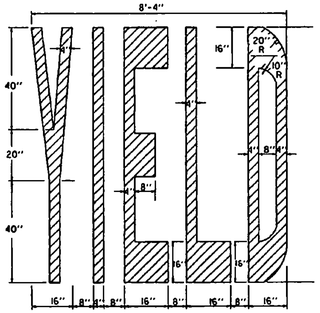
STANDARD C-3





* (4"-8") - ADJUST TO AVAILABLE PAVEMENT WIDTH



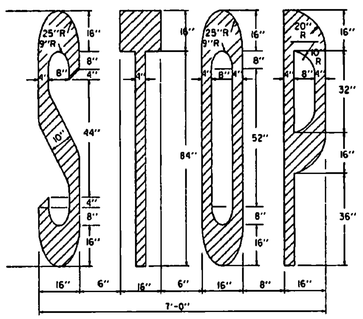


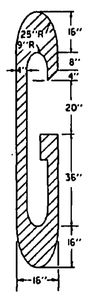
SIGNAL

6" LETTER SPACING

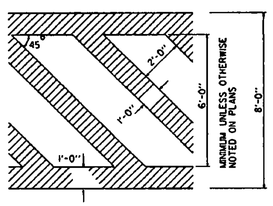
LETTER HEIGHT

DIMENSIONS ARE FOR 8' - 4" LETTER HEIGHTS. A LESSER HEIGHT OF 8' - 0" IS ACCEPTABLE AS LONG AS THE DIMENSIONS ARE PROPORTIONAL TO THE DETAILS SHOWN SEE NOTE BELOW.



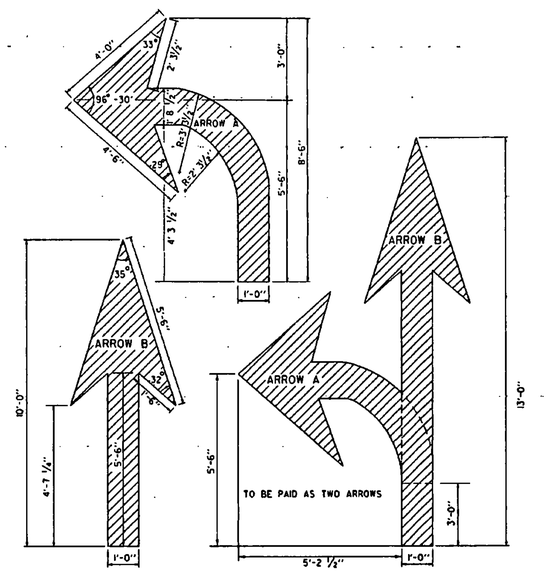


THE LETTER "G" PERTAINS TO THE WORD "SIGNAL" FOR OTHER LETTERS, SEE ABOVE.

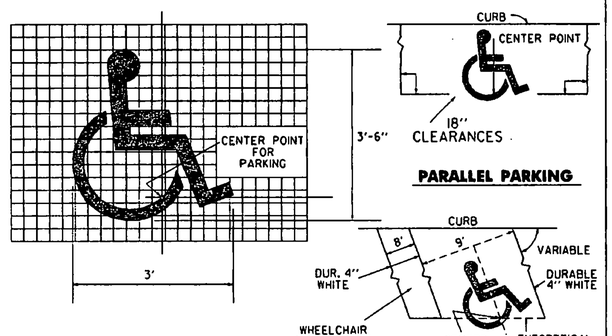


ARROWS AND WORD MARKINGS THAT CONFORM TO THE DIMENSIONS SHOWN ON THIS SHEET OR AS DETAILED IN THE BOOKLET ENTITLED "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS " AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION) PREPARED BY THE FEDERAL HIGHWAY ADMINISTRATION WILL BE ACCEPTABLE.

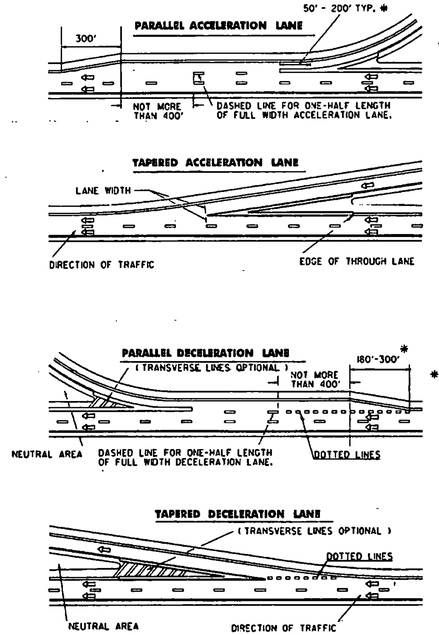
LETTER IN WORD MARKING AND CROSSWALK DETAILS



ARROW DETAILS



HANDICAPPED PAVEMENT MARKING DETAILS

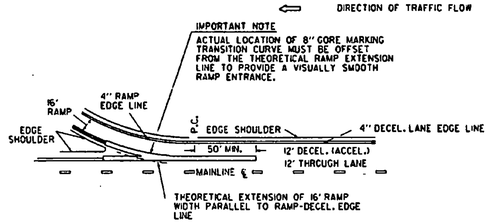


TRANSVERSE LINES SHALL CONSIST OF 8" WHITE LINES SPACED 5'-0" C-C AND SET AT 45° TO MAIN LINE EDGE LINES. THESE MARKINGS SHALL BE USED TO INCREASE VISIBILITY DUE TO DIFFICULT VERTICAL OR HORIZONTAL ALIGNMENT, AS DIRECTED BY THE RESIDENT ENGINEER.

RAMP MARKINGS

LEGEND

- 4" WHITE LINES
- 4" YELLOW LINES
- 8" CHANNELIZATION WHITE LINES
- 4" WHITE DOTTED LINES (2' SOLID - 4' GAP)
- DIRECTION OF TRAFFIC FLOW



DETAIL - GORE MARKING TRANSITION CURVE

THIS SHEET IS NOT TO SCALE

OTHER STDS. REQUIRED

REVISIONS AND CORRECTIONS

SEPT. 10, 1987 - DATE OF ORIGINAL ISSUE

JAN. 23, 1989 - ADDED DOTTED LINES, "SIGNAL" DIMENSIONS, CLARIFIED LETTER HEIGHT.

AUG. 18, 1995 - MISC. NOTE CHANGES

APPROVED FOR THIS PROJECT AND/OR DESIGN IMPLEMENTATION. FHWA FINAL APPROVAL PENDING.

APPROVED

Gordon H. McArthur
DIRECTOR OF ENGINEERING

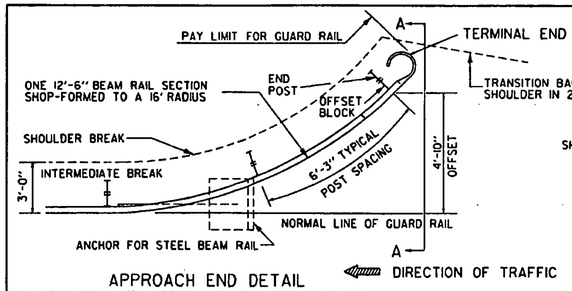
TRAFFIC AND SAFETY ENGINEER

PAVEMENT MARKING DETAILS

/traf/std/stde191.dgn/stde191.i

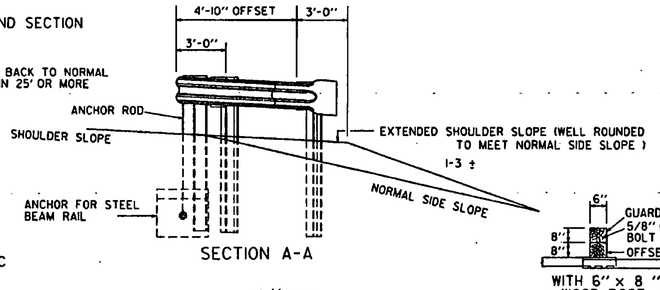
VERMONT AGENCY OF TRANSPORTATION

STANDARD E-191

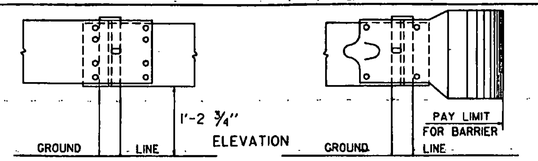


APPROACH END DETAIL
(NOT APPROVED FOR USE WHERE V > 40 MPH)

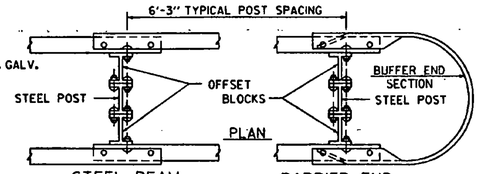
DIRECTION OF TRAFFIC



SECTION A-A

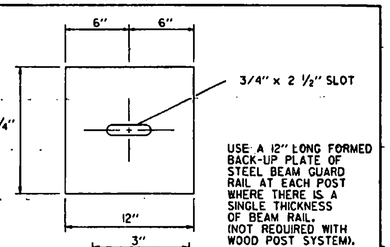


WITH 6" x 8 " WOOD POST

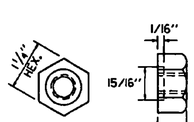


STEEL BEAM MEDIAN BARRIER

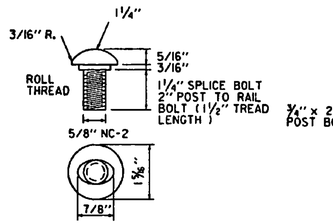
BARRIER END

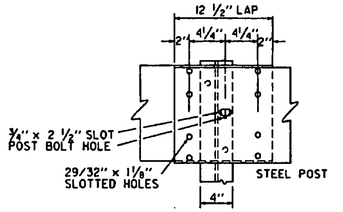


USE A 12" LONG FORMED BACK-UP PLATE OF STEEL BEAM GUARD RAIL AT EACH POST WHERE THERE IS A SINGLE THICKNESS OF BEAM RAIL. (NOT REQUIRED WITH WOOD POST SYSTEM).

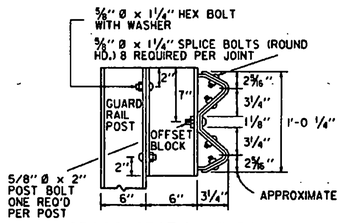


THE NUT MUST BE FREE RUNNING FIT ON THE BOLT AFTER GALVANIZATION.

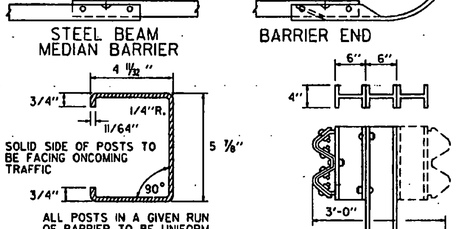




ELEVATION OF GUARD RAIL SPLICE AT POST

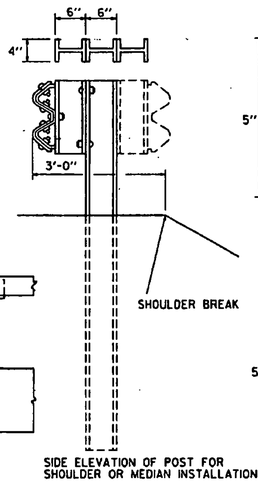


CROSS SECTION THROUGH GUARD RAIL SPLICE

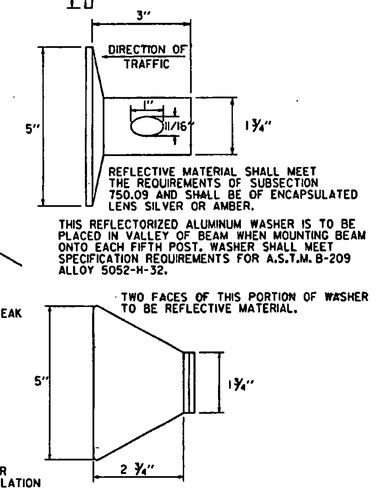


ALL POSTS IN A GIVEN RUN OF BARRIER TO BE UNIFORM

ALTERNATE POST

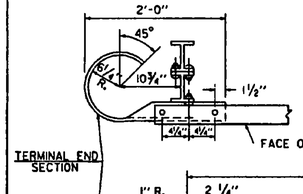


SIDE ELEVATION OF POST FOR SHOULDER OR MEDIAN INSTALLATION

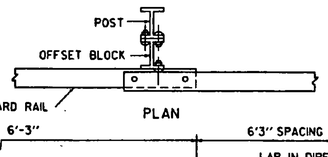


REFLECTIVE MATERIAL SHALL MEET THE REQUIREMENTS OF SUBSECTION 750.09 AND SHALL BE OF ENCAPSULATED LENS SILVER OR AMBER.

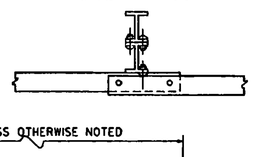
THIS REFLECTORIZED ALUMINUM WASHER IS TO BE PLACED IN VALLEY OF BEAM WHEN MOUNTING BEAM ONTO EACH FIFTH POST. WASHER SHALL MEET SPECIFICATION REQUIREMENTS FOR A.S.T.M. B-209 ALLOY 5052-H-32.

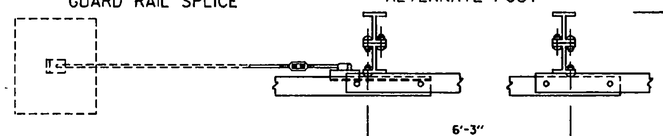


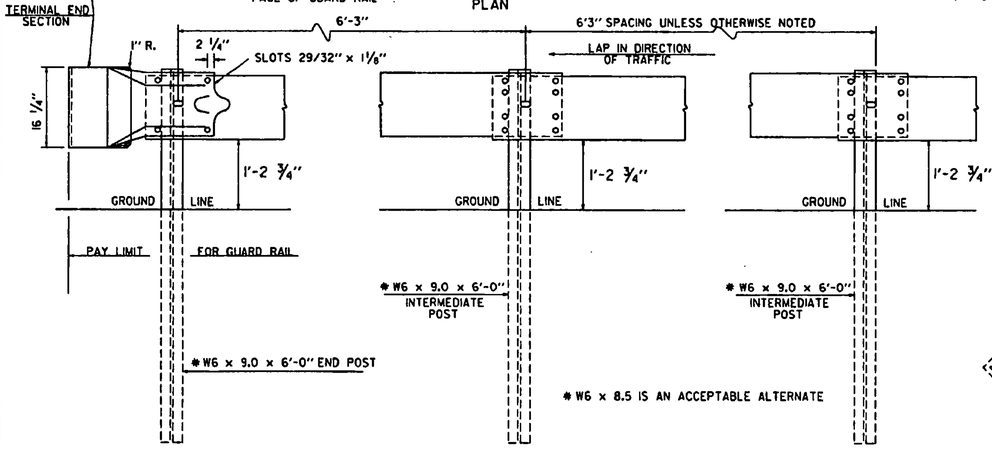
TERMINAL END SECTION



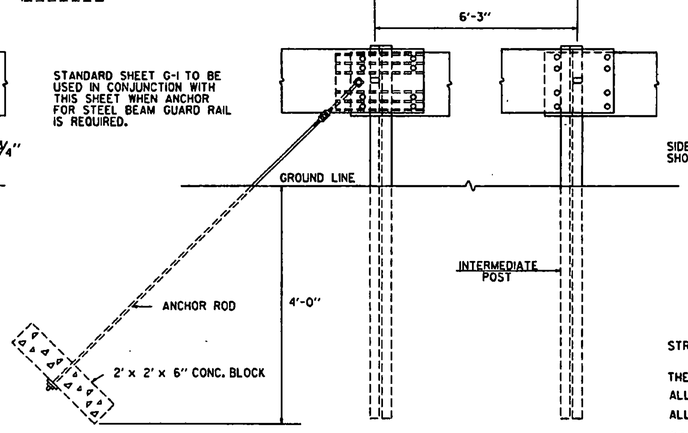
PLAN







ASSEMBLY ELEVATION



ANCHOR FOR STEEL BEAM RAIL

BEAM	MIN. GAGE	TENSILE STRENGTH (LBS.)	RAIL OR JOINT BEAM STRENGTH			
			TRAFFIC FACE UP		TRAFFIC FACE DOWN	
			LOAD (LBS.)	MAXIMUM DEF. (INCHES)	LOAD (LBS.)	MAXIMUM DEF. (INCHES)
STANDARD	12	80,000	1,500 2,000	2" 3"	1,200 1,600	2" 3"
HEAVY DUTY	10	100,000	2,000 3,000	2" 3"	1,600 2,400	2" 3"

STRENGTH - RAIL ELEMENT SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE ABOVE TABLE.

THE POST CONNECTION SHALL WITHSTAND A 5,000 POUND SIDE PULL IN EITHER DIRECTION.

ALL METAL PARTS SHALL BE GALVANIZED.

ALL WOOD POSTS SHALL BE GIVEN A PRESERVATIVE TREATMENT.

STANDARD STEEL BEAM TO BE 12 GAGE AND THE HEAVY DUTY TO BE 10 GAGE.

REVISIONS AND CORRECTIONS
MAY 6, 1976 - ORIGINAL APPROVAL DATE
SEP. 10, 1976 - MINIMUM LENGTH & ADVANCE OF NEED NOTES REMOVED
MAR. 2, 1977 - ROUND WOOD POSTS REMOVED
SEPT. 12, 1977 - REFERENCE TO ROUND WOOD POSTS REMOVED
MAY 29, 1979 - NOTE ON REFLECTIVE MATERIAL CHANGED
APRIL 28, 1980 - APPROACH END DETAILS REDRAWN
DEC. 16, 1980 - INCREASED SHOULDER WIDENING FOR GUARD RAIL
JUNE 5, 1984 - POST SIZE AND BACK UP PLATE NOTE CHANGED
DEC. 21, 1984 - REMOVED POST WASHER
OCT. 31, 1985 - REVISED TO CONFORM TO 1986 SPECIFICATIONS
JUNE 1, 1994 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.

APPROVED

APPROVED FOR THIS PROJECT AND/OR DESIGN IMPLEMENTATION. FHWA FINAL APPROVAL PENDING.

Gordon D. MacArthur, P.E.
DIRECTOR OF ENGINEERING

John M. Murphy, P.E.
DESIGN ENGINEER

STEEL BEAM GUARD RAIL
HEAVY DUTY STEEL BEAM GUARD RAIL
STEEL BEAM MEDIAN BARRIER
ANCHOR FOR STEEL BEAM RAIL

VERMONT AGENCY OF TRANSPORTATION

STANDARD
G-1d