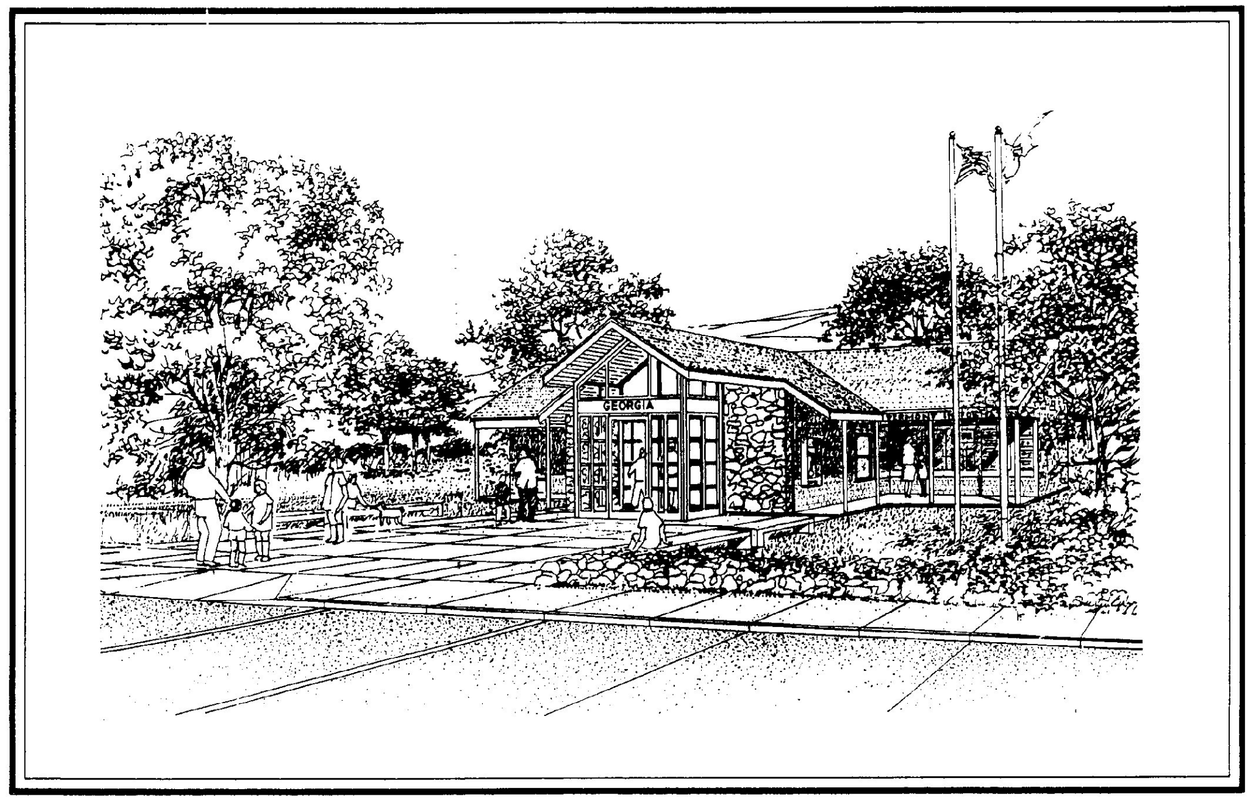
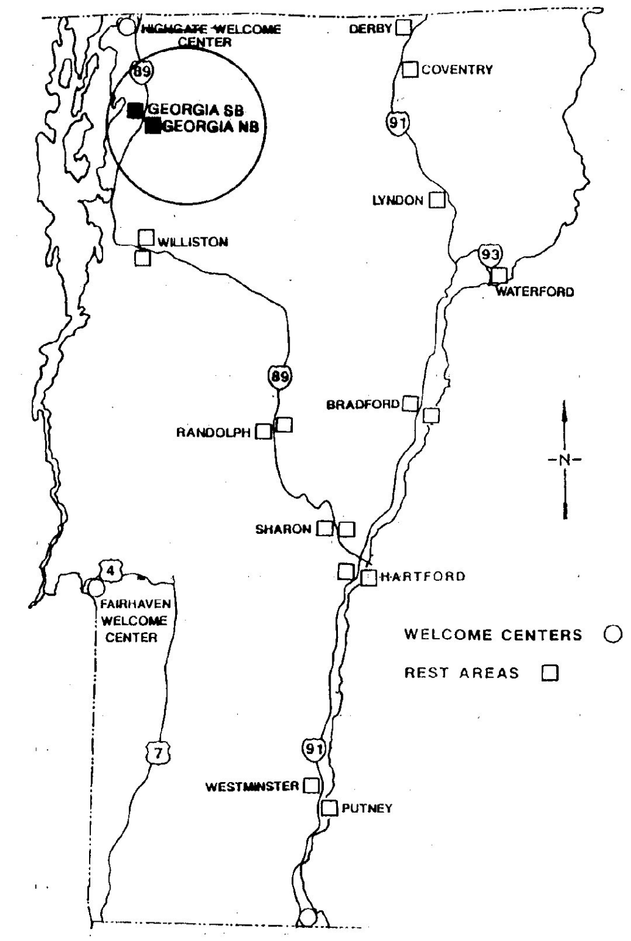
NEW SEWER LINE AND RENOVATIONS TO THE I-89 GEORGIA NORTH BOUND AND SOUTH BOUND REST AREAS

Federal Project No. IM 089-3 (30)

AUGUST 21, 1998





PROJECT LOCATION

PROJECT CONSISTS OF RENOVATIONS TO THE EXISTING FACILITY INCORPORATIONG ADA COMPLIANCE, ENERGY AND SECURITY ENHANCEMENTS, A FORCED MAIN SEWER LINE AND ASSOCIATED SITE WORK

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 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 PROVISION AS ARE INCORPORATED IN THESE PLANS.

DRAWINGS LIST

S-1.0	NORTHBOUND DEMOLITION PLAN
S-1.1	NORTHBOUND SITE PLAN
S-1.2	NORTHBOUND LANDSCAPING PLAN
S-1.3	DETAILS
S-1.4	DETAILS
S-2.0	SOUTHBOUND DEMOLITION PLAN
S-2.1	SOUTHBOUND SITE PLAN
S-2.2	SOUTHBOUND LANDSCAPING PLAN
S-3.0	PLAN AND PROFILE
S-3.1	PLAN AND PROFILE
S-3.2	PLAN AND PROFILE
S-3.3	PLAN AND PROFILE
S-3.4	PLAN AND PROFILE
S-3.5	PLAN AND PROFILE
S-3.6	TRAFFIC CONTROL SIGNAGE
S-3.7	DETAILS
A-0.0	SYMBOLS / LEGEND AND NOTES
A-1.0	NORTHBOUND BUILDING PLAN
A-1.1	NORTHBOUND BUILDING ELEVATIONS
A-2.0	SOUTHBOUND BUILDING PLAN
A-2.1	SOUTHBOUND BUILDING ELEVATIONS
A-3.0	BUILDING VESTIBULE
A-3.1	WOOD FRAME / REFLECT. CLG PLAN
A-3.2	INTERIOR ELEVATIONS
A-3.3	FOLDING TABLE / DOOR AND WINDOW SCHED.
A-3.4	MISCELLANEOUS DETAILS
A-3.5	MISCELLANEOUS DETAILS
A-3.6	SIGNS
P-1.0	NORTHBOUND PLUMBING PLANS
H-1.0	NORTHBOUND HEATING & VENTILATING PLANS / LEGEND
E-1.0	NORTHBOUND ELECTRICAL FLOOR PLANS
P-2.0	SOUTHBOUND PLUMBING PLANS
H-2.0	SOUTHBOUND HEATING AND VENTILATING PLANS
E-2.0	SOUTHBOUND ELECTRICAL FLOOR PLANS
P-3.0	PLUMBING LEGEND / DETAILS
E-3.0	ELECTRICAL LEGEND, DETAILS
TEC-1	TEMPORARY RAMP CLOSURE
E-100	CONSTRUCTION APPROACH SIGNS
E-106	TRAFFIC CONTROL MISCELLANEOUS DETIALS
E-132	GENERAL MOTORIST SERVICES SIGN DETAILS
E-142	REGULATORY SIGN DETAILS
E-143	REGULATORY SIGN DETAILS
E-144	REGULATORY SIGN DETAILS
E-160	FLANGED CHANNEL STEEL SIGN POST
E-164	PRELIMINARY SQUARE STEEL SIGN POST
E-191	PAVEMENT MARKING DETAILS
E-193	PAVEMENT MARKING DETAILS

ARCHITECT:

DORE AND WHITTIER INC.

ARCHITECTS • PROJECT MANAGERS

1795 WILLISTON ROAD • SOUTH BURLINGTON • VERMONT

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228 NORTH MAIN STREET • ST. ALBANS • VERMONT

(802)524-2113

FHWA: *Mark D. Richter* for ADMINISTRATOR

STATE OF VERMONT

AGENCY OF ADMINISTRATION

DEPARTMENT OF BUILDINGS AND GENERAL SERVICES

TWO GOVERNOR AIKEN AVENUE, DRAWER 33

MONTPELIER, VERMONT 05633-5801

(802) 828 3314

GOVERNOR:

HOWARD DEAN, M.D.

COMMISSIONER:

THOMAS W. TORTI

AS BUILTS
DATE: 7/21/99

BID SET

G:\PROJECTS\MDA JMG-MSVCOVER1 Tue Aug 18 13:35:37 1998 Plotter By: Michael S. Simanskas

AS BUILTS
DATE: 1/1/99

NORTHBOUND REST AREA

APPROX. LOCATION CONC. SCULPTURES
PROTECT EXIST. UNDERGROUND SERVICE
EXIST. 18" BEECH TO BE REMOVED
EXIST. ELECTRICAL HANDHOLE TO REMAIN
REMOVE 4250 GAL. METAL SEPTIC TANK – SEE SPECS.
EXIST. ELEC. METER
6" GINKGO
EXIST. ELECT. CONDUITS
REMOVE EXIST. YARD LIGHTING. PRESERVE FOR RE-USE
EXIST. M.H. TO BE REMOVED
APPROX. LOCATION OF EXIST. LEACHFIELDS TO BE ABANDONED – REMOVE AS REQUIRED FOR INSTALLATION OF NEW UNDERGROUND FUEL TANK AND DRIVE AND PARKING AREA SEE SITE PLAN
EXIST. BUILDING
EXIST. ENTRY
EXIST. ENTRY
EXIST. DISTRIBUTION BOX TO BE REMOVED ALONG WITH PIPING
REMOVE EXIST. B.C. SIDEWALK
5'DIA.x3'TALL MEGO PINE TO BE RELOCATED
EXIST. FLAG POLES
COORDINATE END OF WALK WITH NEW PAVERS SEE SITE PLAN
REMOVE B.C. SIDEWALK
12" LINDEN
EXIST. RAMP TO BE OVERLAYED WITH 1 3/4" Type III S PAVEMENT
EXIST. B.C. WALK
REMOVE EXIST. CONC. STAIRS & RAILING
REMOVE EXIST. B.C. WALK
EXIST. DOUBLE HEAD YARD LIGHT
10" SYCAMORE
12" FL. CRAB
EXIST. DOUBLE HEAD YARD LIGHT
8" BASSWOOD SAVE
EXIST. SIGN: "IN CASE OF EMERGENCY"
REMOVE EXIST. HANDICAP SIGN ONLY
EXIST. SIGN: "WELCOME"
REMOVE EXIST. B.C. SIDEWALK & CURBING
B.C. PARKING AREA
EXIST. DOUBLE HEAD YARD LIGHT & BASE TO BE REMOVED PRESERVE FOR RE-USE
EXIST. 10" CMP CULVERT TO BE REMOVED
BROOK
REMOVE TREES/SHRUBS THAT WILL INTERFER WITH CULVERT EXTENSTION SEE SITE PLAN
INV. 48" CMP 631.15 IN CONC. HDWALL
EXIST. CONC. HEADWALL TO BE REMOVED
REMOVE EXIST. GUARD RAILS
EXIST. SINGLE HEAD YARD LIGHT
EXIST. SINGLE HEAD YARD LIGHT
NORTHBOUND LANE INTERSTATE 89
EXISTING 48" CMP TO REMAIN
INV.30 RCP 613.36
INV. 48" CMP 615.5

NOTES:

1.) PROTECT TREES THAT WILL REMAIN FROM BEING DAMAGED DURING CONSTRUCTION.

2.) TREES/SHRUBS TO BE RELOCATED, SHALL BE TRANSPLANTED IN THE LOCATION INDICATED ON THE LANDSCAPING PLAN. REFER TO SPECIFICATIONS FOR THE REQUIRED CARE DURING REMOVAL, TEMPORARY STORAGE AND REINSTALLATION.

HORIZONTAL SCALE IN FEET; 1"=20'
20 10 0 20 40 60 80 100

STATE OF VERMONT
PETER N. CROSS
No. 3681
REGISTERED PROFESSIONAL ENGINEER

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE: AUG 21, 1998	SCALE: 1"=20'	REVISIONS: 8/12/98: Miscellaneous	DRAWING NAME: NORTHBOUND DEMOLITION PLAN
DRAWN BY: WHP/kac	PROJECT NO. 97041		DRAWING NO: S-1.0
CHECKED BY: SHR/PHC			

SHEET ____ OF ____
DATE PLOTTED: 8/21/98

NORTHBOUND REST AREA

ABANDONED

EXISTING WATER LINE (APPROX. LOCATION) CONTRACTOR TO LOCATE AND AVOID

EXISTING WELL

Existing 3/4" Water Line to Barn House

Added New Flag Pole Base

SLOPE PAVERS MAX. 1 ON 20 TO MATCH PVMT. ELEVATION. DEPRESS CURB EACH SIDE OF WALK.

NEW CONC. SIDEWALK

8" GINKGO

EXIST. ELEC. METER

EXIST. ELEC. CONDUIT

EXIST. BUILDING F.F.=653.61 SEE ARCH. PLANS

NEW BRICK PAVERS SEE ARCHITECTURAL PLANS

INSTALL NEW B.C. WALK

EXIST. WALK

EXIST. FLAGPOLE

NEW 4" TRENCH DRAIN. SEE DETAIL 2/S-1.4 RIM=653.3 INV.OUT=649.80

NEW ENTRY

EXIST. FLAGPOLE

NEW SIGN "W" SEE 1/S-1.4

OVERLAY B.C. WALK - 1 3/4" TYPE III S

NEW YARD LIGHTS PROVIDE 3/4" CONDUIT FROM BUILDING

NEW STAIRS SEE 4/S-1.3

10" SYCAMORE

12" LINDEN

NEW CB#3 48" DIA. RIM=651.30 INV IN=645.0 INV IN=645.0 INV OUT=645.10

PROPOSED 12" STORM DRAIN

(2)1" DIA. ELECTRICAL CONDUITS. SEE 9/S-1.3

12" EFFL. CRAB

INFORMATION BOARD-BY OTHERS NEW CONCRETE PAD R=3'(TYP.) 3/S-1.3

SIGN;EXIST.

NEW 5' CONC. SIDEWALK

NEW SIGN "S" SEE 1/S-1.4

BRICK PAVERS SEE ARCH. PLANS

REFER TO SHEET S-1.2

NEW PUMP STATION & VALVE COMPARTMENT #1 SEE 1/S-3.1

NEW SEWER W.M.#1 SEE 10/S-1.3 (TYP.)

SIDEWALK TO MATCH TOP OF CURB ELEV.

DEPRESSED CURB; R=15'

EXIST. ELECTRICAL HANDHOLE

NEW SIGN "A" SEE 1/S-1.4

20' TYP.

9' TYP.

STRIPING DETAIL SEE 7/S-1.4

RELOCATED YARD LIGHT. PROVIDE NEW FOUNDATION TO MATCH EXISTING.

UFT

UNDERGROUND FUEL TANK - SEE MECHANICAL PLANS.

UNDERGROUND FUEL LINES - SEE MECHANICAL PLANS.

CONSTRUCT NEW PARKING AND ACCESS DRIVE SEE 6/S-1.3

NEW LOCATION FOR EXISTING YARD LIGHT. POUR NEW FOUNDATION TO MATCH EXIST.

NEW GRANITE CURBING (TYP.) SEE 5/S-1.3

PROPOSED SILT FENCE SEE 8/S-3.1

INSTALL 12" METAL END SECTION INV. OUT=646.55

TYPE III STONE FILL - 24" THICK MACHINE PLACED & CHINKED

NEW 48" DIA.x 20'LONG CMP

NEW HEADWALL INV.=635.00 SEE DETAIL 1/S-1.4

CONNECT EXISTING 6" UNDERDRAIN INTO CB#1. MATCH EXISTING INVERT.

INV. 48" CMP 631.15 IN CONC. HDWALL REMOVE HEADWALL

NEW 72" DIA. CB#1 RIM=640.25 INV.IN=632.00 INV.OUT=631.90 SEE. DETAIL 3/S-1.4

Relocate Existing w/ Clean out

NEW STEEL BEAM GUARDRAIL SEE VT. AGENCY OF TRANSPORTATION DESIGN STANDARDS FOR ROAD CONSTRUCTION DETAIL #G1-D.

NEW SIGN "C" SEE 1/S-1.4

NEW SIGNS "A"&"J" SEE 1/S-1.4

NEW SIGN "L" SEE 1/S-1.4

NEW SIGNS "R" & "S" NEW SIGNS "I" &"O" SEE 1/S-1.4

NEW SIGN "STOP" SEE 1/S-1.4

NEW SIGN "D"&"E" SEE 1/S-1.4

8" BASSWOOD

GRASS

NEW CB#2

R=10'

R=30'

R=2.5'

R=20'

1+00

0+50

SD

FM

SAW CUT FOR FORCE MAIN BY CONTRACTOR SEE NOTE 6

INSTALL 8" PVC SLEEVE FOR FORCE MAIN

OVERLAY EXISTING BITUMINOUS CONCRETE PAVEMENT WITH 1 3/4" TYPE III S B.C.

4" WHITE THERMO-PLASTIC PAINT STRIPES

NEW GRANITE CURBING (TYP.) SEE 5/S-1.3

NEW SIGN "W" SEE 1/S-1.4

NEW SIGN "G" SEE 1/S-1.4

FOR LIMIT OF PVMT. OVERLAY; FEATHER TO MATCH EXISTING SEE SHEET S-3.0

Unable To Connect Underdrain To C.B.#3 Planned Underdrain to be

NEW 48" Dia. CB#2 RIM=643.50 INV IN=637.10 INV IN=637.10 INV OUT=637.00 SEE 3/S-1.4

INSTALL HAYBALE EROSION DAMS SEE 9/S-1.3

NEW 8" DIA. SLEEVE INSTALLED BY A.O.T. SEE 2/S-1.3

NEW 12" DIA. SLEEVE TO BE INSTALLED BY A.O.T. SEE 2/S-1.3

INSTALL HAYBALE EROSION DAMS SEE 9/S-1.3

INV. 48" CMP 615.5

← NORTHBOUND LANE INTERSTATE 89

100'

FOR CONTINUATION OF FORCE MAIN, SEE SHEET S-3.0

HORIZONTAL SCALE IN FEET; 1"=20'

20 10 0 20 40 60 80 100

LEGEND NOTE:

EXI
EXI
EXI
TR
NE
EXI
EXI
EXI
EXI
SIG
EXI
EXI
EXI
CA
EXI
EXI
NE ON OF FORCE MAIN.
NE EET S-3.0
EXI
EXI
EXI
EXI
EXI
EXI
ST
GU
GE
EX
NE
NE
EX
NE
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GR

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450
450
UG
SS
SS
PS
W
SD
SD
SF

NOTES:

1.) SEE SIGNAGE TABLE ON SHEET S-1.4.

2.) APPLY 4" TOPSOIL, RAKE, SEED, AND MULCH ALL AREAS WHERE PAVEMENT IS REMOVED OR LAWN SURFACE IS OTHERWISE DISTURBED BY THE CONSTRUCTION OF THIS CONTRACT.

3.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFING AND DETERMINING THE LOCATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THIS PLAN PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED, IN WRITING, OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD BEFORE COMMENCING CONSTRUCTION AND NOTIFY THE ENGINEER, IN WRITING, OF ANY DISCREPANCY FOUND.

4.) PURSUANT TO THE STATE ACCESS TO PUBLIC RECORDS RECORD STATUTE V.S.A.I, CHAPTER 5, SUBCHAPTER 3, I HERE BY AUTHORIZE ANY PERSON TO INSPECT OR COPY THIS DOCUMENT OR RECORD AS MAY BE NECESSARY TO COMPLY WITH THE LAWS AND REGULATIONS OF THE STATE OF VERMONT.

5.) NOTIFY DIG-SAFE 48 HRS. OR MORE PRIOR TO ANY EXCAVATION.

6.) SAW CUT ALL EXISTING PVMT. FOR TRENCH CUTTING & BACKFILL WITH NATIVE MATERIAL.

STATE OF VERMONT
PETER H. [illegible]
ADMINISTRATIVE PROFESSIONAL ENGINEER

STATE OF VE
DEPARTMENT OF
AND GENERAL
AGENCY OF ADMI
MONTPELIER VE

GEORGIA INTERSTATE
NORTHBOUND AND

DATE:	SCALE:	RE
AUG. 21, 1998	1"=20'	8/12
DRAWN BY: WHP/kac	PROJECT NO. 97041	
CHECKED BY: BH/WP/HC		

AS BUILTS
DATE: 7/21/99

NEW PUMP STATION & VALVE COMPARTMENT #1 SEE (1/S-3.7)

Add underdrain and Connect to CB#3

NEW SEWER M.H.#1. SEE (10/S-3.7) (TYP.)

SLOPE PAVERS MAX. 1 ON 20 TO MATCH PVMT. ELEVATION. DEPRESS CURB EACH SIDE OF WALK.

Depress Sidewalk To Create Swale

NEW CONC. SIDEWALK

SIDEWALK TO MATCH TOP OF CURB ELEV.

24'

+653.4

+653.9

RELOCATED YARD LIGHT. PROVIDE NEW FOUNDATION TO MATCH EXISTING.

UFT

UNDERGROUND FUEL TANK – SEE MECHANICAL PLANS.

UNDERGROUND FUEL LINES – SEE MECHANICAL PLANS.

DEPRESSED CURB

R=15'

6" GINKGO

EXIST. ELEC. METER

EXIST. ELECTRICAL HANDHOLE

EXIST. ELEC. CONDUIT

EXIST. BUILDING F.F.=653.61 SEE ARCH. PLANS

NEW SIGN "A" SEE (1/S-1.4)

20' TYP.

9' TYP.

STRIPING DETAIL SEE (7/S-1.4)

TRANSPLANTED EXIST. MUGO PINE (TYP.)

NEW BRICK PAVERS SEE ARCHITECTURAL PLANS

TRANSPLANTED EXIST. BURNING BUSHES (TYP.) (TOTAL OF 9)

NEW GRANITE CURBING (TYP.) SEE (5/S-1.3)

CONSTRUCT NEW PARKING AND ACCESS DRIVE SEE (6/S-1.3)

INSTALL NEW B.C. WALK

EXIST. WALK

B.C.

NEW ENTRY

1+50

1+69

653.25

11'

4" Drain

R=20'

24'

1+00

NEW LOCATION FOR EXISTING YARD LIGHT. POUR NEW FOUNDATION TO MATCH EXIST.

Create Swale

NEW SIGN "M" SEE (1/S-1.4)

OVERLAY B.C. WALK – 1 3/4" TYPE III S

Connect existing Foundation Drain To Trench Drains Per Change Order

NEW YARD LIGHTS PROVIDE 3/4" CONDUIT FROM BUILDING

NEW CB#3 48" DIA. RIM=651.30 INV IN=645.0 INV IN=645.0 INV OUT=645.10

12" LINDEN

PROPOSED 12" STORM DRAIN

NEW SIGN "C" SEE (1/S-1.4)

NEW STAIRS SEE (4/S-1.3)

10" SYCAMORE

12" FL. CRAB

52'

18'

INFORMATION BOARD–BY OTHERS NEW CONCRETE PAD R=3'(TYP.)

(3/S-1.3)

8" BASSWOOD

0+50

NEW SIGN "STOP" SEE (1/S-1.4)

R=10'

NEW SIGN "D"&"E" SEE (1/S-1.4)

GRASS

Remove & Relocate walk

SIGN; EXIST.

NEW 5' CONC. SIDEWALK

NEW CB#2

R=30'

Delete 30' Slope Walk Grade in

18'

NEW SIGNS "R" & "S"

NEW SIGNS "F" &"O" SEE (1/S-1.4)

R=2.5'

NEW SIGN "T" SEE (1/S-1.4)

NEW GRANITE CURBING (TYP.) SEE (5/S-1.4)

4" WHITE PAVEMENT STRIPES, TYPICAL

BRICK PAVERS SEE ARCH. PLANS

Alien Stairs w/ Building Entrance

Move Existing Monument

10' TYP.

20' TYP.

REFER TO SHEET S-1.2

SEE

0+00

4" WHITE THERMO-PLASTIC PVMT. STRIPES

OVERLAY EXISTING BITUMINOUS CONCRETE PAVEMENT WITH 1 3/4"

INSTALL 8" PVC

Re Route Force Main Sleeve Across RT 89 Arranged by Others

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

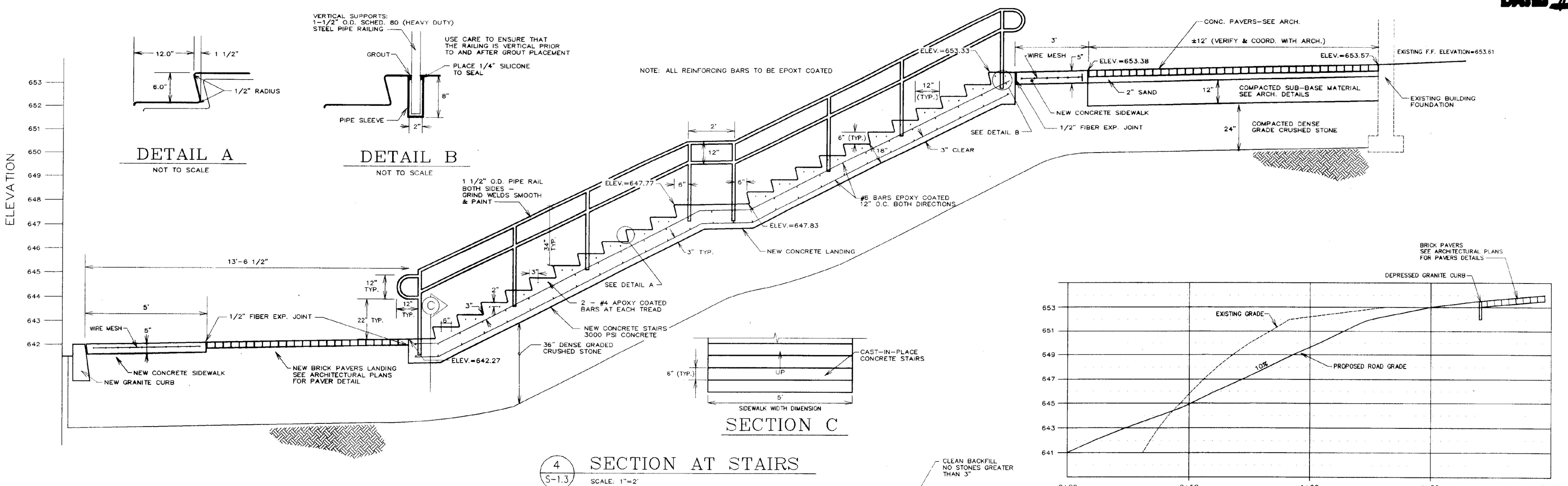
GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: AUG. 21, 1998	SCALE: 1"=10'	REVISIONS: 8/12/98 Miscellaneous	DRAWING NAME: NORTHBOUND LANDSCAPING PLAN
DRAWN BY: WHP/kac	PROJECT NO. 97041		DRAWING NO: S-1.2
CHECKED BY: SHR/PHC			

STATE OF VERMONT PETER H. CROSS No. 9824 REGISTERED PROFESSIONAL ENGINEER

SHEET ___ OF ___
DATE PLOTTED: 8/21/98

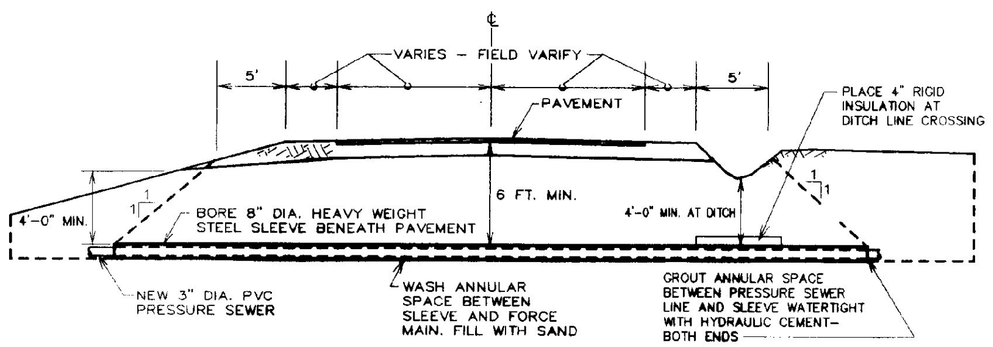
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DATE: 7/24/99



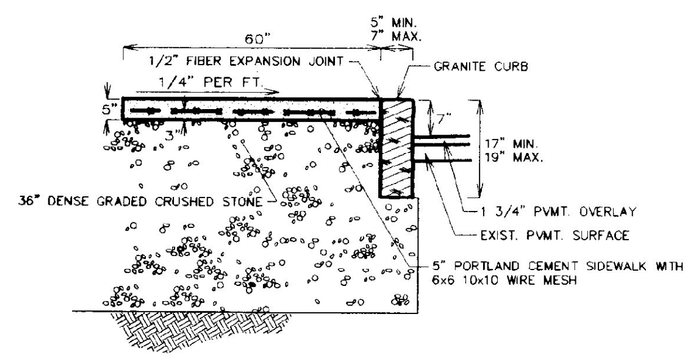
4 / S-1.3 SECTION AT STAIRS
SCALE: 1"=2'

8 / S-1.3 ROAD PROFILE
SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=4'

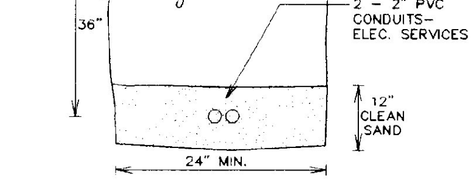




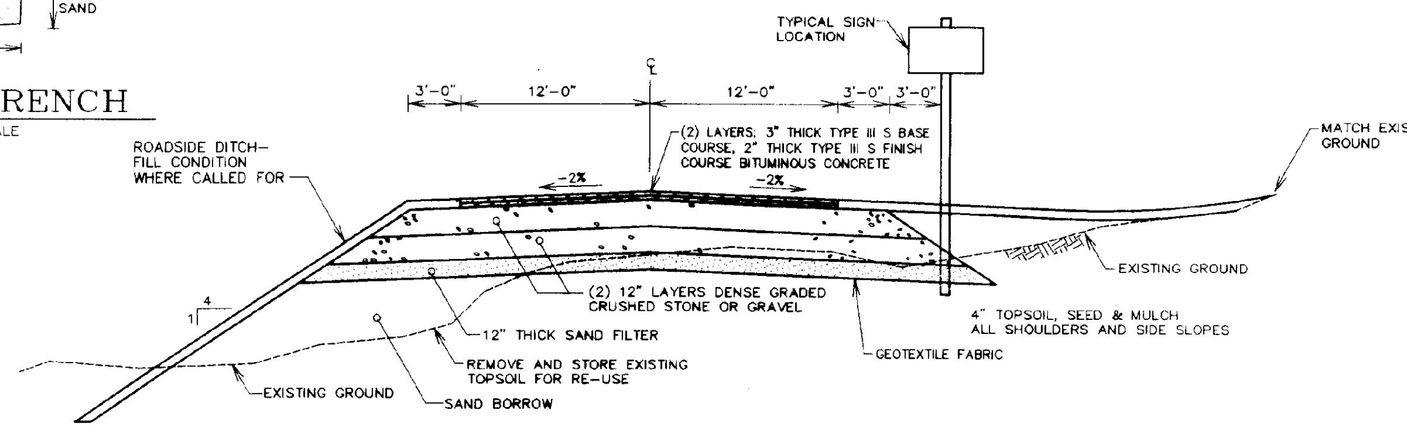
2 / S-1.3 HIGHWAY CROSSING DETAIL
NOT TO SCALE



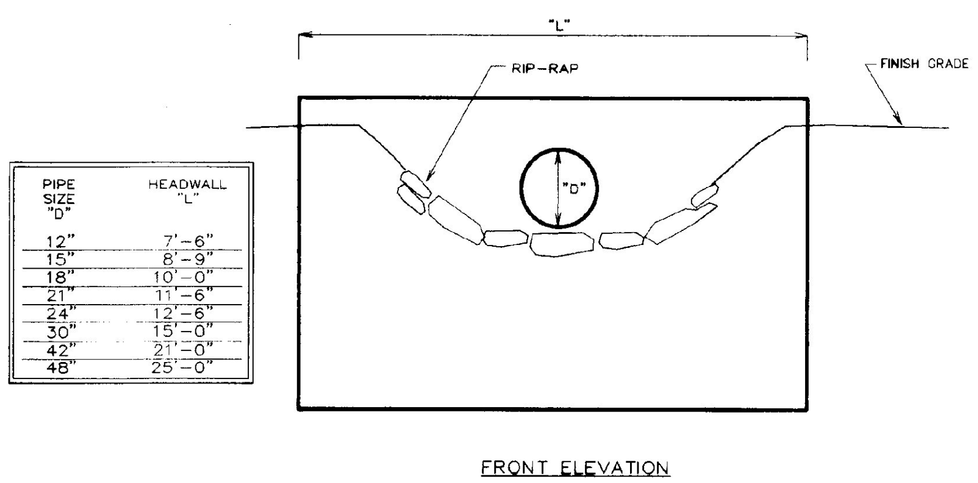
3 / S-1.3 TYP. SIDEWALK & CURB
NOT TO SCALE



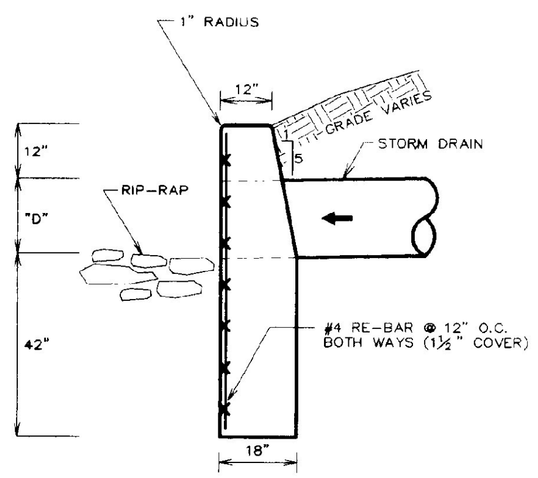
7 / S-1.3 UTILITY TRENCH
NOT TO SCALE

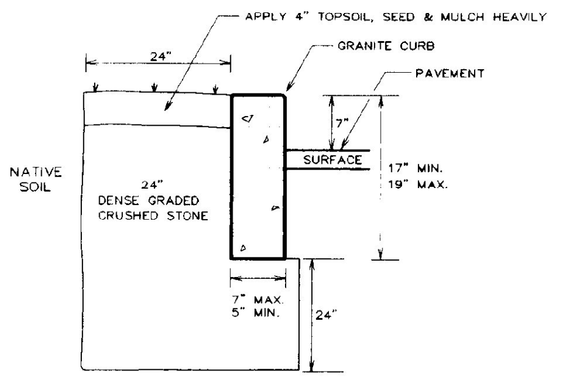


7 / S-1.3 TYP. ROAD SECTION
NOT TO SCALE

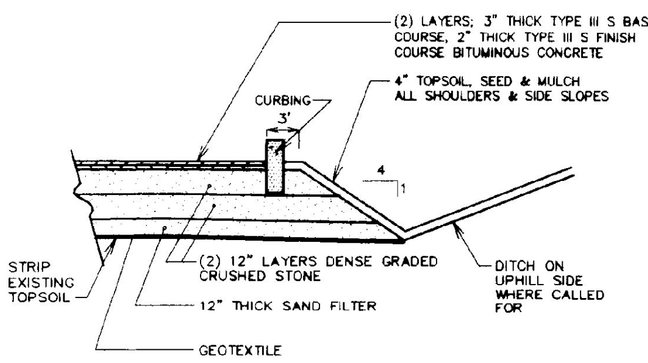


1 / S-1.3 CONCRETE HEADWALL
NOT TO SCALE





5 / S-1.3 TYP. GRANITE CURB
NOT TO SCALE



6 / S-1.3 TYP. PARKING LOT
NOT TO SCALE

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: AUG 21, 1998	SCALE: AS NOTED	REVISIONS: 8/12/98: Miscellaneous	DRAWING NAME: DETAILS
DRAWN BY: WHP/tac/CRC	PROJECT NO. 97041		DRAWING NO: S-1.3
CHECKED BY: SHR/PHC			

SHEET ____ OF ____

GENERAL SITEWORK NOTES:

1. THE CONTRACTOR SHALL REPAIR ALL EXISTING ROAD/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, REMOVAL AND DISPOSAL 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 SECTION 651 OF THE VERMONT HIGHWAY DEPARTMENT SPECS.
6. ALL FILL SHALL BE PLACED IN 8 INCH LIFTS AND THOROUGHLY COMPACTED TO 95% OF MAXIMUM DENSITY OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D868 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 EXISTING PAVEMENT MARKINGS SHALL BE OBSCURED PRIOR TO PAINTING OF NEW MARKINGS. SEE SPECS FOR INSTALLATION OF NEW MARKINGS.
11. 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.
12. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS GENERATED DURING THE WORK FROM THE SITE AT THE END OF THE PROJECT.

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 FOR 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.

SEEDING FORMULA
URBAN AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
42.5	34.0	CREEPING RED FESCUE	98	85
10.0	8.0	PERENNIAL RYE GRASS	95	95
42.5	34.0	KENTUCKY BLUE GRASS	85	85
5.0	4.0	ANNUAL RYE GRASS	95	85
100.0	80.0			

THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS WEED SEED.

FERTILIZER- FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE (HYDROSEEDERS MAY USE 19-19-19 FORMULA)

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.

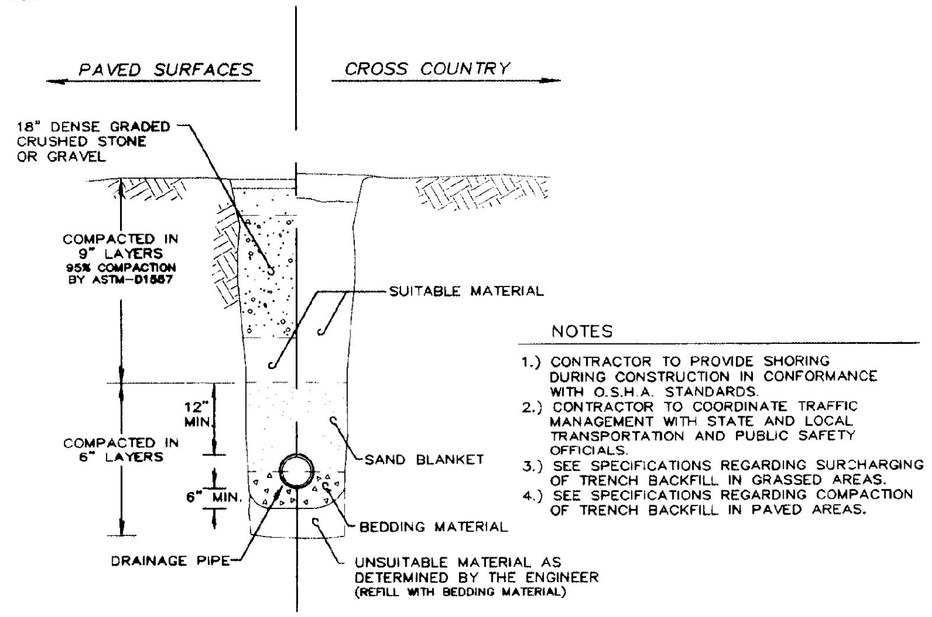
IDENTIFICATION	DESCRIPTION	UNIFORM TRAFFIC CONTROL DEVICE MANUAL CODE *	UTCDM SECTION NUMBER	VAOT STANDARD
A	HANDICAP-RESERVED PARKING	R7-8	2B-24	E-132 & E-136
B	STOP SIGN	R1-1	2B-4	E-143 STANDARD SIZE
C	DO NOT ENTER	R5-1	2B-6	E-143 STANDARD SIZE
D	KEEP RIGHT	R4-7a	2B-25	E-142 STANDARD SIZE
E	KEEP RIGHT ILLUSTRATION	R4-7	2B-25	E-142 STANDARD SIZE
F	WRONG WAY	R5-1a	2B-2 c&d	E-142 STANDARD SIZE
G	ONE WAY	R6-1	2B-29	E-142 STANDARD SIZE
H	NO PARKING	R7-1	2B-31	--
I	PARKING	D4-1	2D-24	--
J	RIGHT DIRECTIONAL ARROW	M6-1	2D-13	E-132 STANDARD SIZE
K	TRUCKS	M4-4	2D-10	--
L	NO TRUCKS OVER 7000 LBS. EMPTY WT.	R12-3	2B-41	--
M	WALK DOG HERE	VR-541**	SEE NOTE 1	E-144 STANDARD SIZE
N	NO DRINKING	VR-654**	SEE NOTE 1	E-143 STANDARD SIZE
O	AIRBAGS	VD-215**	SEE NOTE 1	--
P	SAFETY BELTS	VR-602**	SEE NOTE 1	--
Q	NO LEFT TURN	R3-2	SEE NOTE 1	E-143 STANDARD SIZE
R	TRUCKS & BUSSES	3-10c**	SEE NOTE 1	--
S	CARS	3-10b**	SEE NOTE 1	--
T	PROHIBITED	VR-337**	SEE NOTE 1	--

* REFERENCE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1988 EDITION.
** VERMONT AOT DESIGNATION

NOTE 1.) REFER TO AOT SUPPLEMENTARY SPECIFICATIONS

1 / S-1.4 TRAFFIC SIGNS

NOT TO SCALE

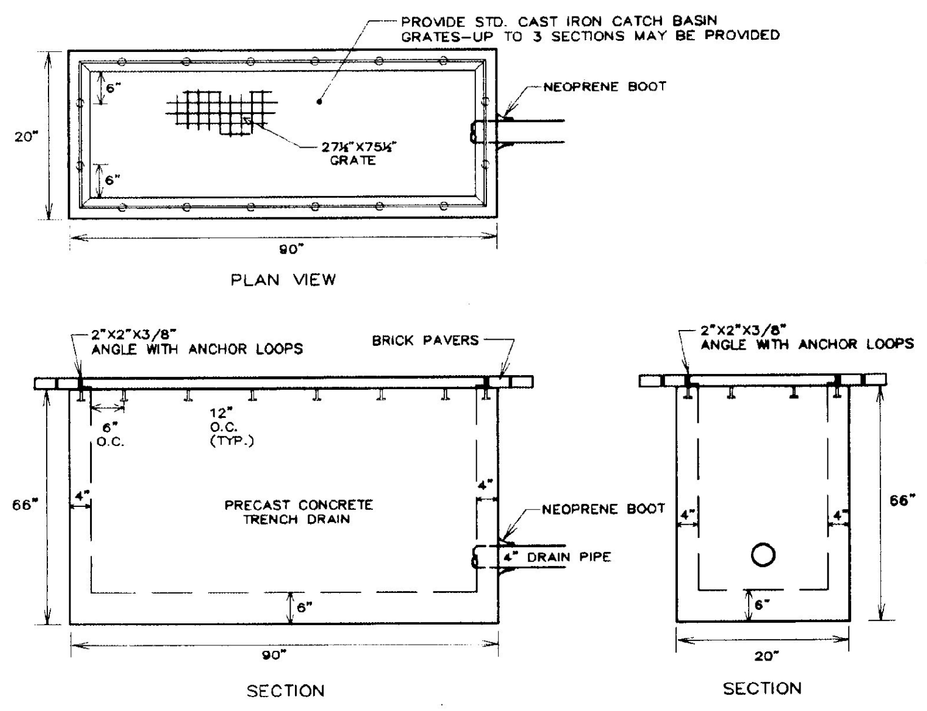


NOTES
1.) CONTRACTOR TO PROVIDE SHORING DURING CONSTRUCTION IN CONFORMANCE WITH O.S.H.A. STANDARDS.
2.) CONTRACTOR TO COORDINATE TRAFFIC MANAGEMENT WITH STATE AND LOCAL TRANSPORTATION AND PUBLIC SAFETY OFFICIALS.
3.) SEE SPECIFICATIONS REGARDING SURCHARGING OF TRENCH BACKFILL IN GRASSED AREAS.
4.) SEE SPECIFICATIONS REGARDING COMPACTION OF TRENCH BACKFILL IN PAVED AREAS.

NOTE:
1.) IN GENERAL, DISTURBED CROSS-COUNTRY AREAS SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER AND SHALL BE TOPSOILED AND SEEDED IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE MAINTAINED UNTIL A VIABLE STAND OF GRASS HAS BEEN ESTABLISHED.
2.) SAW CUT ALL EXISTING PAVEMENT
3.) PAVEMENT WILL MATCH EXISTING PAVEMENT PLUS OVERLAY THICKNESS WHEN NECESSARY

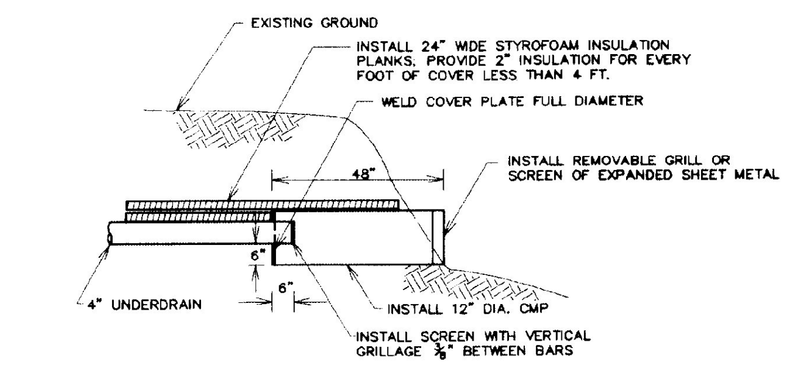
4 / S-1.4 TYPICAL STORM DRAIN TRENCH

NOT TO SCALE



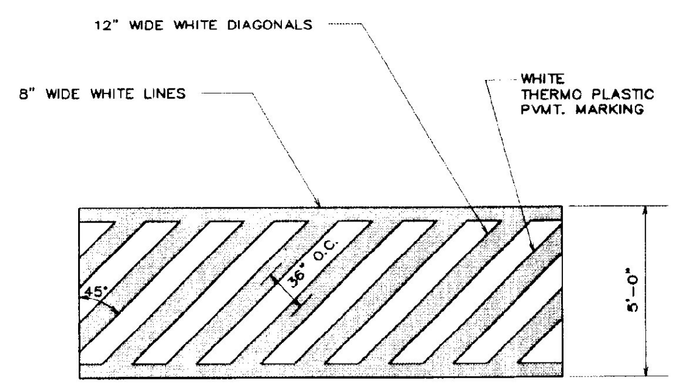
2 / S-1.4 PRE-CAST CONCRETE TRENCH

NOT TO SCALE



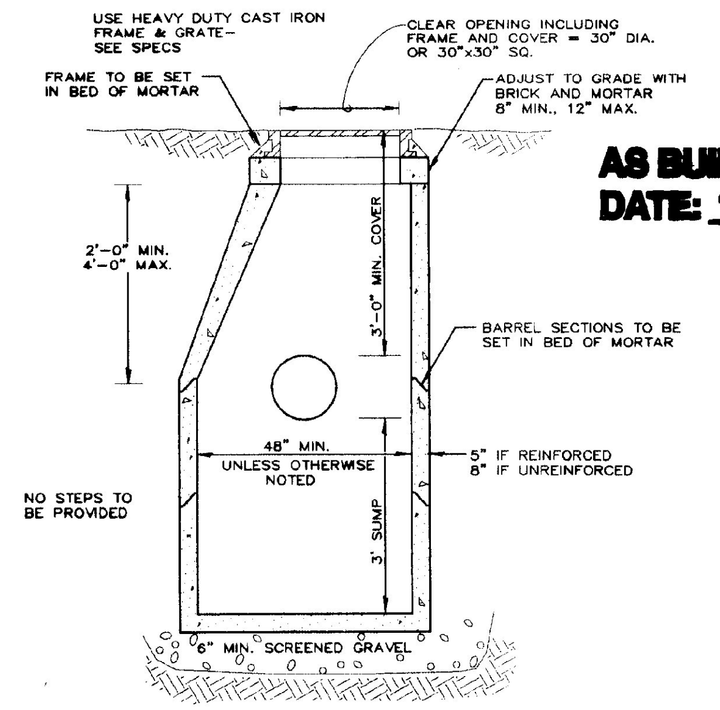
5 / S-1.4 UNDERDRAIN OUTFALL

NOT TO SCALE



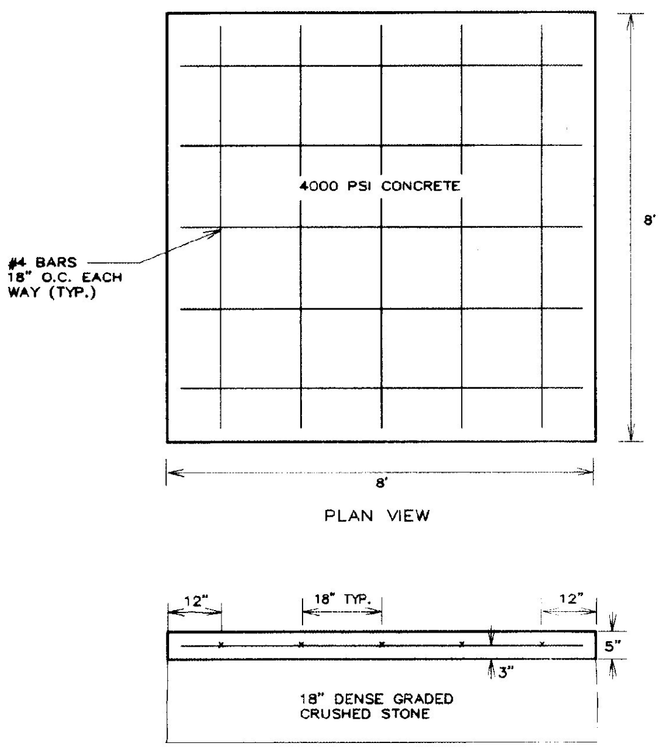
7 / S-1.4 TYP. PAINTED WALK STRIPING

NOT TO SCALE



3 / S-1.4 TYPICAL CATCH BASIN

NOT TO SCALE



6 / S-1.4 CONCRETE SLAB

NOT TO SCALE

AS BUILTS
DATE: 7/21/99

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: AUG 21, 1998	SCALE: AS NOTED	REVISIONS: 8/12/98 Miscellaneous	DRAWING NAME: DETAILS
DRAWN BY: WHP/kac/CRC	PROJECT NO. 97041		DRAWING NO: S-1.4
CHECKED BY: SHR/PHC			

SHEET ____ OF ____
DATE PLOTTED: 8/21/98

AS BUILTS
DATE: 7/21/99

N

BOUNDARY

BRUSH/SMALL TREES AREA

TYPICAL 4"–6" MAPLES

GRASS

RELOCATE EXIST. CONCRETE STRUCTURE SEE S-2.1

CONC. SCULPTURE

EXIST. WELL TO REMAIN

REMOVE EXIST. WATER FOUNTAIN & CAP WATERLINE BELOW FROST DEPTH

EXIST. ELECTRICAL HANDHOLE TO REMAIN

REMOVE EXIST. YARD LIGHTING & BASE

EXIST. SIGN: "WELCOME"

EXIST. 4'–6" DIA.x 4'–6" TALL SHRUB

EXIST. 4' DIA.x 4' TALL THORNY SHRUB

EXIST. ELEC. TRANSFORMER

EXIST. ELECTRICAL HANDHOLE TO REMAIN

EXIST. BUILDING

EXIST. ENTRY

TO BE RELOCATED

FLAT STONE TO BE REMOVED

EXIST. ENTRY

5" FL.CRAB

4" FL.CRAB

RELOCATE EXIST. FLAG POLES

EXIST. 4'–6" DIA.x 4'–6" TALL SHRUB

EXIST. 4' DIA.x 4' TALL THORNY SHRUB

EXIST. 18" DIA.x 2' TALL SHRUB

EXIST. SIGN: "RESERVED PARKING"

REMOVE EXIST. BIT. CONC. SIDEWALK

EXIST. HCP. ACCESS

REMOVE EXIST. SIGN "HANDICAP" & "NO ALCOHOLIC BEVERAGES"

REMOVE EXIST. B.C. CURB

EXIST. MANHOLE TO BE REMOVED

EXIST. GRAVITY SEWER

EXIST. 4000 GAL. AND 5000 GAL. CONCRETE SEPTIC TANKS – PUMP OUT AND FILL WITH COMPACTED FILL – SEE SPECS.
NOTE: LOCATIONS OF TANKS ARE NOT EXACT – FIELD DETERMINE ACTUAL LOCATIONS.

RELOCATE EXISTING TREES (TYPICAL); SEE ALSO NOTE #1

PROTECT EXISTING UNDERGROUND SERVICE

UG

SIGN: "WALK DOGS HERE" TO BE REMOVED

6" MPL 15

10" MPL 16

10" MPL 17

APPROX. TOWN LINE

RELOCATE LARGE ROCK

36" MPL TO BE REMOVED

REMOVE & RELOCATE EXIST. YARD LIGHTING & BASE

SIGN: "WRONG WAY"

SIGN: "BUCKLE UP" TO BE REMOVED TURN OVER TO OWNER TYPICAL FOR SIGNS REMOVED

SIGN: "TRUCKS THIS WAY" TO BE REMOVED

GEORGIA
FAIRFAX

SOUTHBOUND REST AREA

NOTES:

1.) RELOCATE NUMBERED EXISTING TREES IN THE LOCATION DESIGNATED ON THE LANDSCAPING PLAN SHEET S-2.2. REFER TO SPECIFICATIONS FOR TREE TRANSPLANTING PROCEDURE.
TREES THAT DO NOT HAVE A NUMBER DESIGNATION WILL REMAIN.

HORIZONTAL SCALE IN FEET; 1"=20'

20 10 0 20 40 60 80 100

3276+00 3277+00 3278+00 3279+00

SOUTHBOUND LANE INTERSTATE 89

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

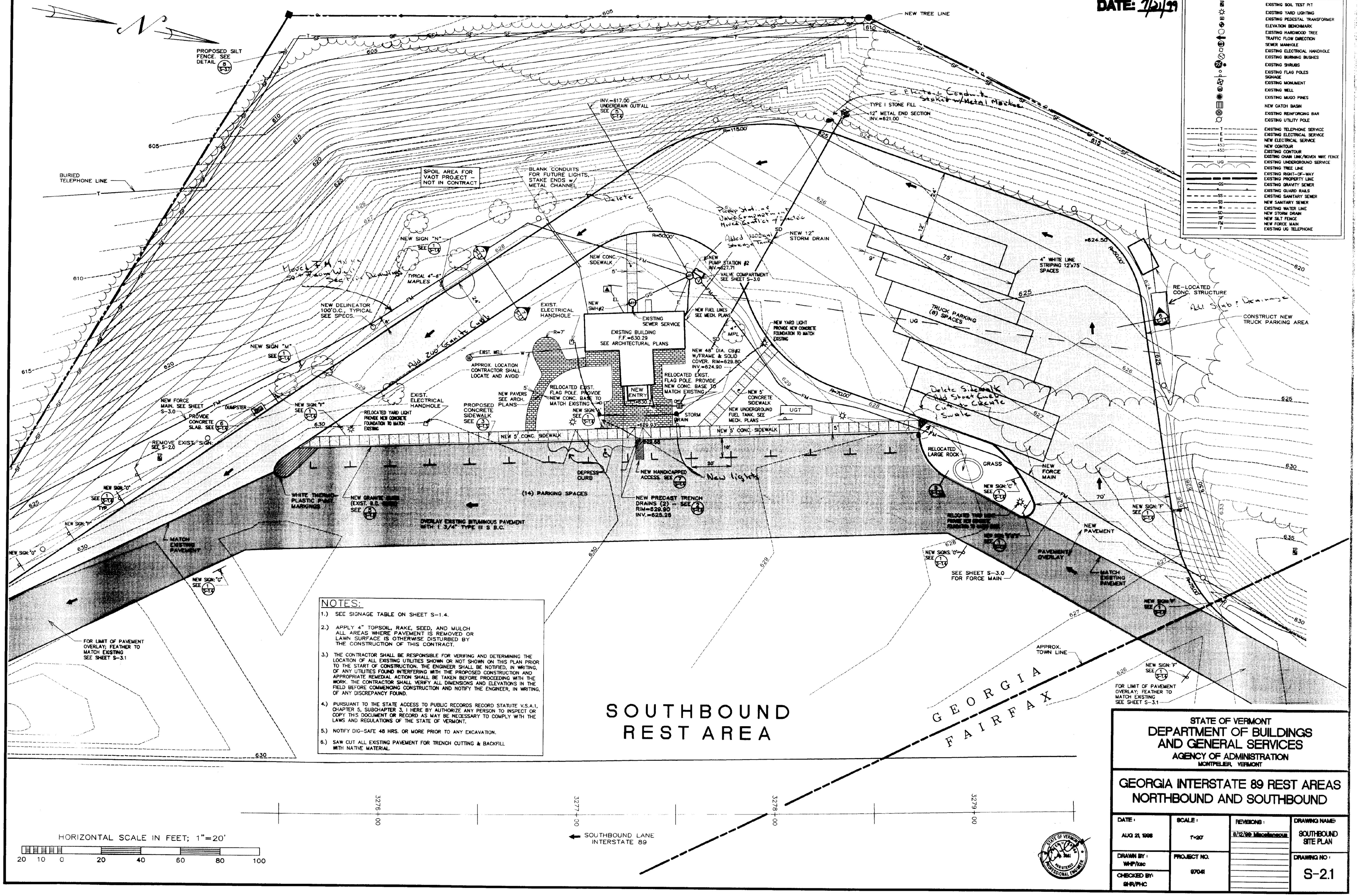
GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE: AUG 21, 1998	SCALE: AS NOTED	REVISIONS: 8/12/99 Miscellaneous	DRAWING NAME: SOUTHBOUND DEMOLITION PLAN
DRAWN BY: WHP/kac	PROJECT NO. 97041		DRAWING NO: S-2.0
CHECKED BY: SHR/PHC			

STATE OF VERMONT PETER H. CRAVEN REGISTERED PROFESSIONAL ENGINEER

SHEET ____ OF ____
DATE PLOTTED: 8/21/98

AS BUILTS
DATE: 7/21/99



NOTES:

1.) SEE SIGNAGE TABLE ON SHEET S-1.4.

2.) APPLY 4" TOPSOIL, RAKE, SEED, AND MULCH ALL AREAS WHERE PAVEMENT IS REMOVED OR LAWN SURFACE IS OTHERWISE DISTURBED BY THE CONSTRUCTION OF THIS CONTRACT.

3.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFING AND DETERMINING THE LOCATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THIS PLAN PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED, IN WRITING, OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD BEFORE COMMENCING CONSTRUCTION AND NOTIFY THE ENGINEER, IN WRITING, OF ANY DISCREPANCY FOUND.

4.) PURSUANT TO THE STATE ACCESS TO PUBLIC RECORDS RECORD STATUTE V.S.A.I, CHAPTER 5, SUBCHAPTER 3, I HERE BY AUTHORIZE ANY PERSON TO INSPECT OR COPY THIS DOCUMENT OR RECORD AS MAY BE NECESSARY TO COMPLY WITH THE LAWS AND REGULATIONS OF THE STATE OF VERMONT.

5.) NOTIFY DIG-SAFE 48 HRS. OR MORE PRIOR TO ANY EXCAVATION.

6.) SAW CUT ALL EXISTING PAVEMENT FOR TRENCH CUTTING & BACKFILL WITH NATIVE MATERIAL.

SOUTHBOUND REST AREA

3276+00 3277+00 3278+00 3279+00

← SOUTHBOUND LANE INTERSTATE 89

HORIZONTAL SCALE IN FEET; 1"=20'

20 10 0 20 40 60 80 100

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: AUG 21, 1998	SCALE: 1"=20'	REVISIONS: 8/12/99 Miscellaneous	DRAWING NAME: SOUTHBOUND SITE PLAN
DRAWN BY: WHP/tcc	PROJECT NO. 97041		DRAWING NO: S-2.1
CHECKED BY: SHR/PHC			

STATE OF VERMONT No. 3661 REGISTERED PROFESSIONAL ENGINEER

AS BUILTS
DATE: 7/24/99

BLANK CONDUITS FOR FUTURE LIGHTS, STAKE ENDS w/ METAL CHANNEL

NEW SIGN "N"
SEE (1 / S-1.4)

TYPICAL 4"-6" MAPLES

FM

5'

24'

R=50.00'

NEW CONC. SIDEWALK

5'

EL

NEW SMH#2

GS

E

EXISTING SEWER SERVICE

EXISTING BUILDING
F.F.=630.29
SEE ARCHITECTURAL PLANS

EXIST. ELECTRICAL HANDHOLE

TRANSPLANTED 4'-6"DIA. X 4'-6" TALL SHRUB

R=7'

EXIST. WELL

APPROX. LOCATION CONTRACTOR SHALL LOCATE AND AVOID

5'

NEW PAVERS SEE ARCH. PLANS

EXIST. 4' DIA.x4' TALL THORNY SHRUB

4" FL.CRAB

4" FL.CRAB

NEW ENTRY

*630.2

SD

6" FL.CRAB

EXIST. 4'-6"DIA.x 4'-6" TALL SHRUB

EXIST. 4' DIA.x 4' TALL THORNY SHRUB

EXIST. 18"DIA.x 2' TALL SHRUB

12" STORM DRAIN

*629.93

529.68

DEPRESS CURB

NEW LIGHTS

REFER TO SHEET A-20 FOR PAVER LAYOUT

EXIST. ELECTRICAL HANDHOLE

OCATED YARD LIGHT
VIDE NEW CONCRETE
NDATION TO MATCH
TING

PROPOSED CONCRETE SIDEWALK SEE (3 / S-1.3)

NEW 5' CONC. SIDEWALK

1 NEW PUMP STATION #2 INV.=627.71

VALVE COMPARTMENT SEE SHEET S-3.0

2

NEW FUEL LINES SEE MECH. PLANS

3

4" MPL

SD

NEW 12" STORM DRAIN

NEW YARD LIGHT PROVIDE NEW CONCRETE FOUNDATION TO MATCH EXISTING

4

5

6

R=70.00'

FM

7

NEW 5' CONCRETE SIDEWALK

NEW UNDERGROUND FUEL TANK. SEE MECH. PLANS

UGT

5'

NEW 5' CONC. SIDEWALK

19'

20'

FM

8

RELOCATED LARGE ROCK

GRASS

9

24'

12'

9'

75'

TRUCK PARKING (8) SPACES

UG

10

11

12

13

14

15

16

17

NOTES:

1.) RELOCATE NUMBERED EXISTING TREES IN THE LOCATION DESIGNATED ON THE DEMOLITION PLAN SHEET S-2.0. REFER TO SPECIFICATIONS FOR TREE TRANSPLANTING PROCEDURE. TREES THAT DO NOT HAVE A NUMBER DESIGNATION WILL REMAIN.

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
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MONTPELIER, VERMONT

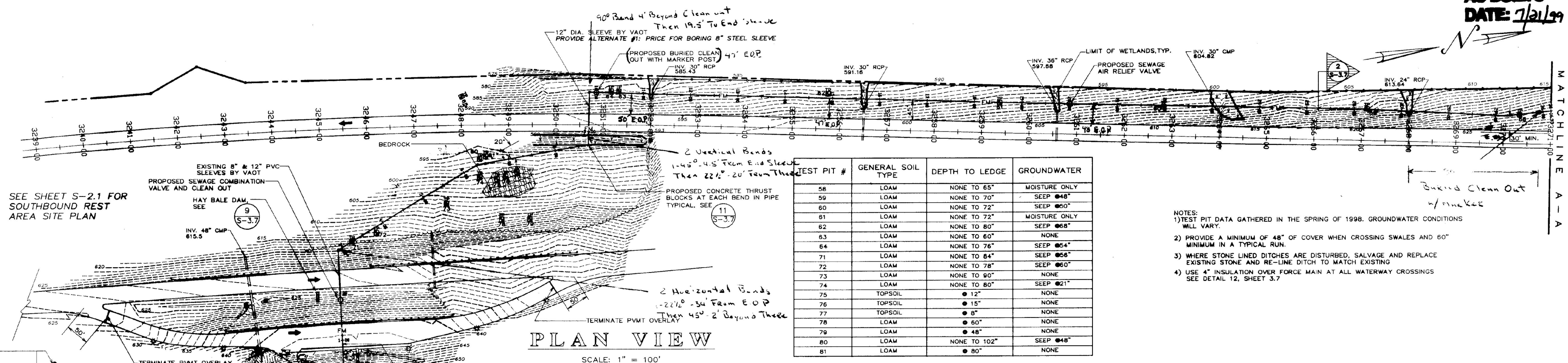
GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: AUG 21, 1998	SCALE: 1"=10'	REVISIONS: 8/12/99 Miscellaneous	DRAWING NAME: SOUTHBOUND LANDSCAPING PLAN
DRAWN BY: WHP/kac	PROJECT NO. 97041		DRAWING NO: S-2.2
CHECKED BY: SHR/PHC			

STATE OF VERMONT REGISTERED PROFESSIONAL ENGINEER

SHEET ____ OF ____
DATE PLOTTED: 8/21/98

AS BUILTS
DATE: 7/21/99

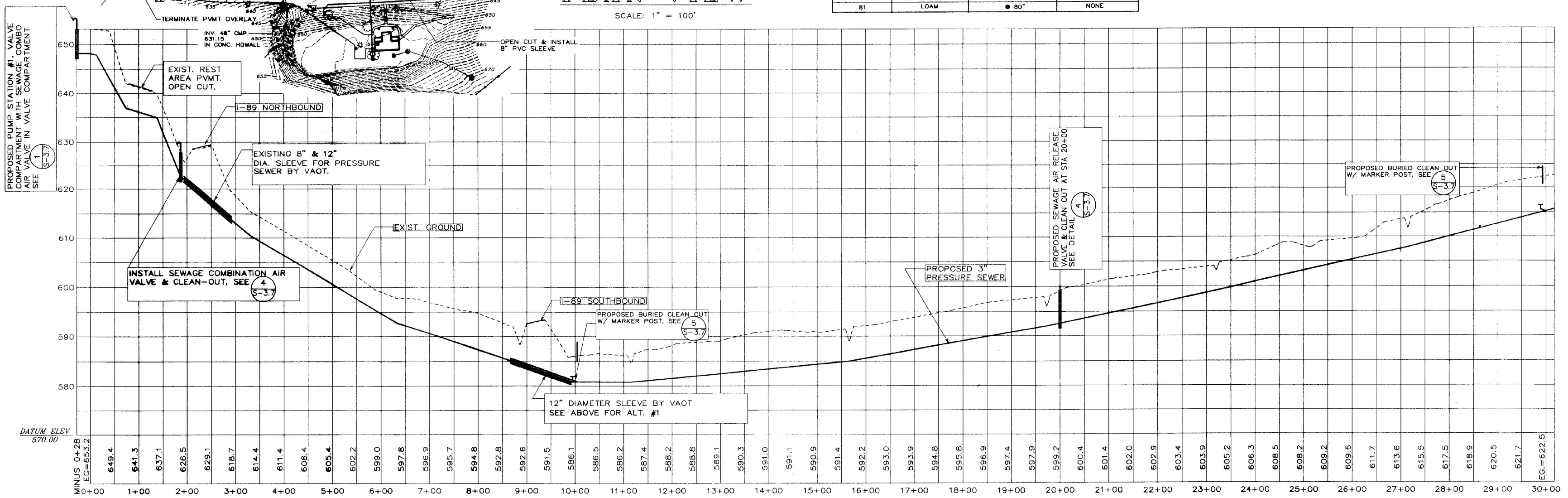


PLAN VIEW

SCALE: 1" = 100'

TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
58	LOAM	NONE TO 65"	MOISTURE ONLY
59	LOAM	NONE TO 70"	SEEP @48"
60	LOAM	NONE TO 72"	SEEP @60"
61	LOAM	NONE TO 72"	MOISTURE ONLY
62	LOAM	NONE TO 80"	SEEP @68"
63	LOAM	NONE TO 60"	NONE
64	LOAM	NONE TO 76"	SEEP @54"
71	LOAM	NONE TO 84"	SEEP @56"
72	LOAM	NONE TO 78"	SEEP @60"
73	LOAM	NONE TO 90"	NONE
74	LOAM	NONE TO 80"	SEEP @21"
75	TOPSOIL	@ 12"	NONE
76	TOPSOIL	@ 15"	NONE
77	TOPSOIL	@ 8"	NONE
78	LOAM	@ 60"	NONE
79	LOAM	@ 48"	NONE
80	LOAM	NONE TO 102"	SEEP @48"
81	LOAM	@ 80"	NONE

NOTES:
1) TEST PIT DATA GATHERED IN THE SPRING OF 1998. GROUNDWATER CONDITIONS WILL VARY.
2) PROVIDE A MINIMUM OF 48" OF COVER WHEN CROSSING SWALES AND 60" MINIMUM IN A TYPICAL RUN.
3) WHERE STONE LINED DITCHES ARE DISTURBED, SALVAGE AND REPLACE EXISTING STONE AND RE-LINE DITCH TO MATCH EXISTING
4) USE 4" INSULATION OVER FORCE MAIN AT ALL WATERWAY CROSSINGS SEE DETAIL 12, SHEET 3.7



PROFILE

SCALE: 1" = 100' HORZ.
1" = 10' VERT.

VALVE SCHEDULE

VALVE NO.	STATION	TYPE
1	IN PS#1 VALVE COMP.	SEWAGE COMBO AIR VALVE
2	1+85	SEWAGE COMBO AIR VALVE
3	20+00	SEWAGE AIR RELEASE VALVE

HORIZONTAL SCALE IN FEET
100 50 0 100 200 300 400 500

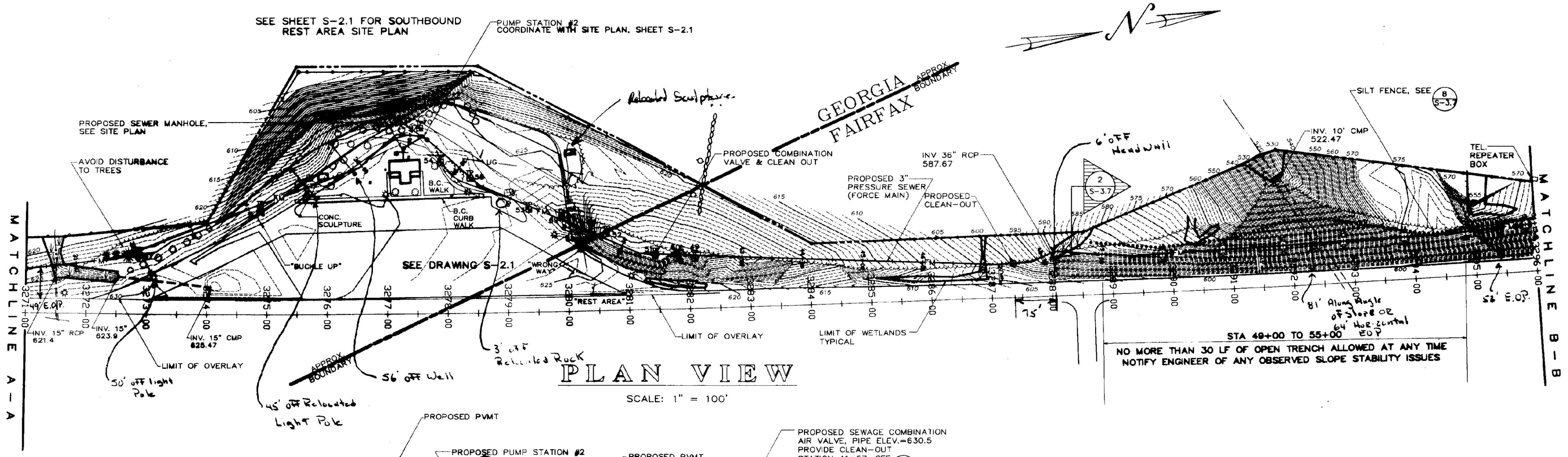
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE: 21 AUGUST 1998	SCALE: 1"=100'	REVISIONS:	DRAWING NAME: PLAN AND PROFILE
DRAWN BY: WHP/BD	PROJECT NO. 97041		DRAWING NO: S-3.0
CHECKED BY: PHC			

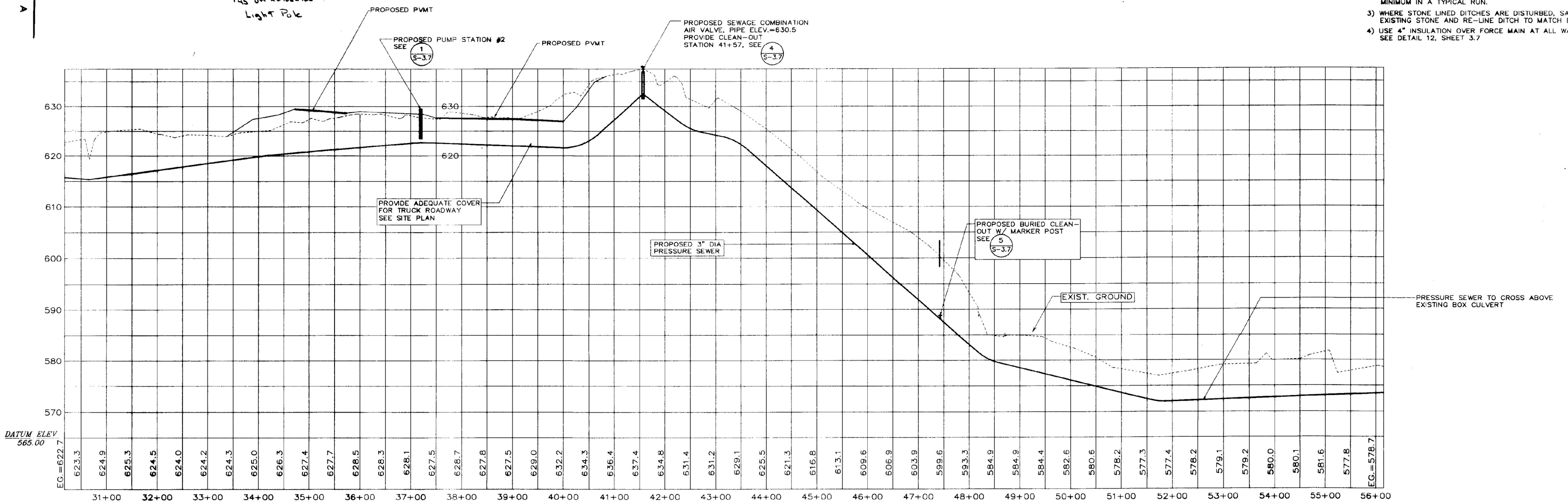
SHEET ____ OF ____
DATE PLOTTED: 8/18/98

AS BUILTS
DATE: 7/21/99



PLAN VIEW

SCALE: 1" = 100'



PROFILE

SCALE: 1" = 100' HORZ.
1" = 10' VERT.

TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
49	SAND	NONE TO 60"	NONE
50	LOAM	NONE TO 65:	NONE
51	LOAM	NONE TO 60"	NONE
52	LOAM	NONE TO 60"	NONE
53	LOAM	NONE TO 60"	NONE
54	LOAM	NONE TO 60"	NONE
55	LOAM	NONE TO 60"	NONE
56	LOAM	NONE TO 60"	NONE
57	LOAM	NONE TO 60"	NONE
66	LOAM	NONE TO 108"	NONE
67	LOOSE SHALE LEDGE	@ 6"	NONE
68	LOAM	NONE TO 108"	NONE
69	LOAM	NONE TO 102"	NONE
70	LOAM	NONE TO 60"	NONE

NOTES:
1) TEST PIT DATA GATHERED IN THE SPRING OF 1998. GROUNDWATER CONDITIONS WILL VARY.
2) PROVIDE A MINIMUM OF 48" OF COVER WHEN CROSSING SWALES AND 60" MINIMUM IN A TYPICAL RUN.
3) WHERE STONE LINED DITCHES ARE DISTURBED, SALVAGE AND REPLACE EXISTING STONE AND RE-LINE DITCH TO MATCH EXISTING
4) USE 4" INSULATION OVER FORCE MAIN AT ALL WATERWAY CROSSINGS SEE DETAIL 12, SHEET 3.7

VALVE SCHEDULE

VALVE NO.	STATION	TYPE
4	41+57	SEWAGE COMBO AIR VALVE

HORIZONTAL SCALE IN FEET
100 50 0 100 200 300 400 500

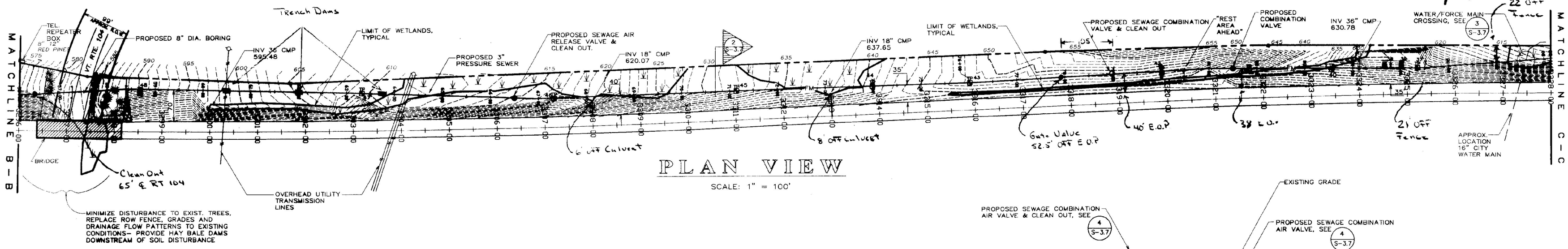
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: 21 AUGUST 1998	SCALE: 1"=100'	REVISIONS:	DRAWING NAME: PLAN AND PROFILE
DRAWN BY: WHP/BD	PROJECT NO. 97041		DRAWING NO: S-3.1
CHECKED BY: PHC			

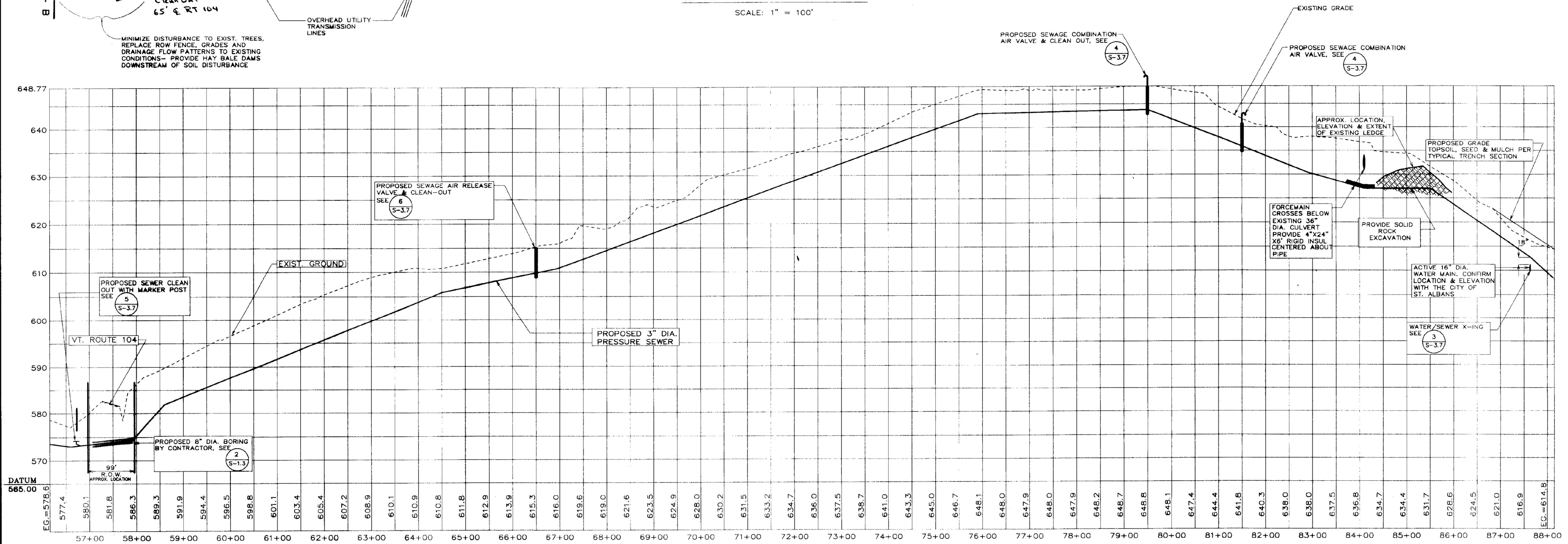
SHEET ____ OF ____

AS BUILTS
DATE: 1/24/99



PLAN VIEW

SCALE: 1" = 100'



PROFILE

SCALE: 1" = 100' HORZ.
1" = 10' VERT.

TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
37	TOPSOIL	@ 10"	NONE
38	LOAM	NONE TO 72"	NONE
39	LOAM	@ 50"	NONE
40	LOAM	NONE TO 66"	NONE
41	LOAM	NONE TO 60"	NONE
42	LOAM	NONE TO 72"	SEEP @50"
43	LOAM	NONE TO 65"	SEEP @24"
44	LOAM	NONE TO 65"	WATER @12"
45	LOAM	NONE TO 60"	SEEP @32"
46	LOAM	NONE TO 63"	SEEP @60"
47	LOAM	NONE TO 60"	SEEP @42"
48	LOAM	NONE TO 90"	SURFACE

NOTES:
1) TEST PIT DATA GATHERED IN THE SPRING OF 1998. GROUNDWATER CONDITIONS WILL VARY.
2) PROVIDE A MINIMUM OF 48" OF COVER WHEN CROSSING SWALES AND 60" MINIMUM IN A TYPICAL RUN.
3) WHERE STONE LINED DITCHES ARE DISTURBED, SALVAGE AND REPLACE EXISTING STONE AND RE-LINE DITCH TO MATCH EXISTING
4) USE 4" INSULATION OVER FORCE MAIN AT ALL WATERWAY CROSSINGS SEE DETAIL 12, SHEET 3.7

VALVE SCHEDULE

VALVE NO.	STATION	TYPE
5	66+50	SEWAGE AIR RELEASE VALVE
6	79+50	SEWAGE COMBO AIR VALVE
7	81+50	SEWAGE COMBO AIR VALVE

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

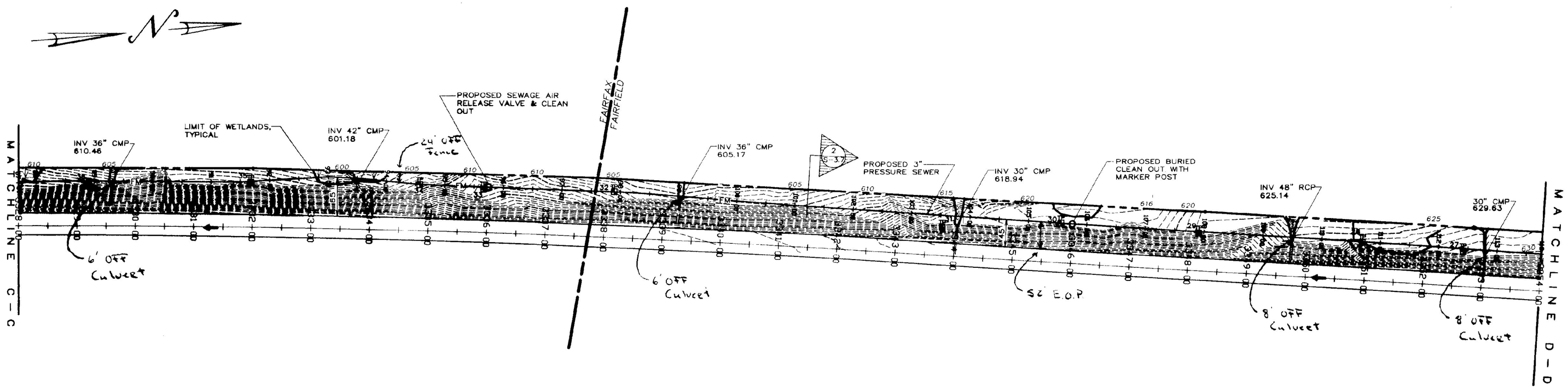
GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

HORIZONTAL SCALE IN FEET
100 50 0 100 200 300 400 500

DATE: 21 AUGUST 1998	SCALE: AS NOTED	REVISIONS:	DRAWING NAME: PLAN AND PROFILE
DRAWN BY: WHP/BD	PROJECT NO. 97041		DRAWING NO: S-3.2
CHECKED BY: PHC			

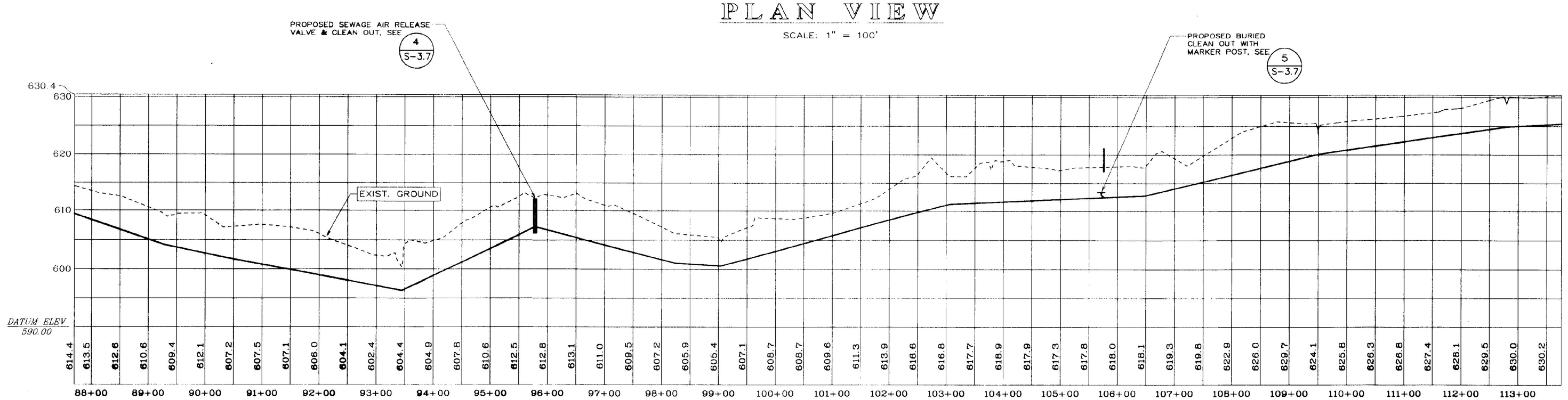
SHEET ____ OF ____
DATE PLOTTED: 8/18/98

AS BUILTS
DATE: 7/21/99



PLAN VIEW

SCALE: 1" = 100'



PROFILE

SCALE: 1" = 100' HORZ.
1" = 10' VERT.

TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
27	LOAM	NONE TO 72"	WATER @ 36"
28	LOAM	NONE TO 72"	SEEP @60"
29	SAND	NONE TO 76"	NONE
30	LOAM	NONE TO 72"	SEEP @30"
31	SAND	NONE TO 72"	NONE
32	LOAM	NONE TO 65"	NONE
33	SAND	NONE TO 70"	NONE
34	SAND	NONE TO 74"	NONE
35	LOAM	NONE TO 72"	SEEP @54"
36	LOAM	NONE TO 70"	SEEP @65"

NOTES:
1) TEST PIT DATA GATHERED IN THE SPRING OF 1998. GROUNDWATER CONDITIONS WILL VARY.
2) PROVIDE A MINIMUM OF 48" OF COVER WHEN CROSSING SWALES AND 60" MINIMUM IN A TYPICAL RUN.
3) WHERE STONE LINED DITCHES ARE DISTURBED, SALVAGE AND REPLACE EXISTING STONE AND RE-LINE DITCH TO MATCH EXISTING
4) USE 4" INSULATION OVER FORCE MAIN AT ALL WATERWAY CROSSINGS SEE DETAIL 12, SHEET 3.7

VALVE SCHEDULE

VALVE NO.	STATION	TYPE
8	95+75	SEWAGE AIR RELEASE VALVE

STATE OF VERMONT
REGISTERED PROFESSIONAL ENGINEER

HORIZONTAL SCALE IN FEET
100 50 0 100 200 300 400 500

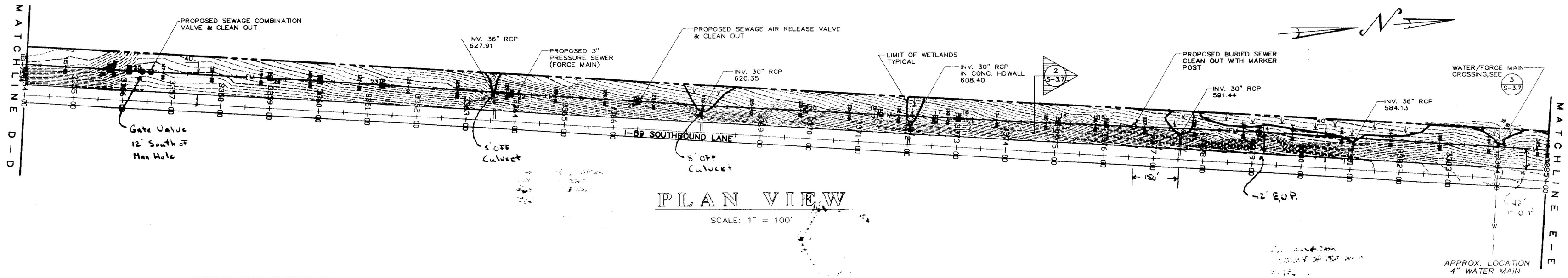
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: 21 AUGUST 1998	SCALE: 1"=100'	REVISIONS:	DRAWING NAME: PLAN AND PROFILE
DRAWN BY: WHP/BD	PROJECT NO. 97041		DRAWING NO: S-3.3
CHECKED BY: PHC			

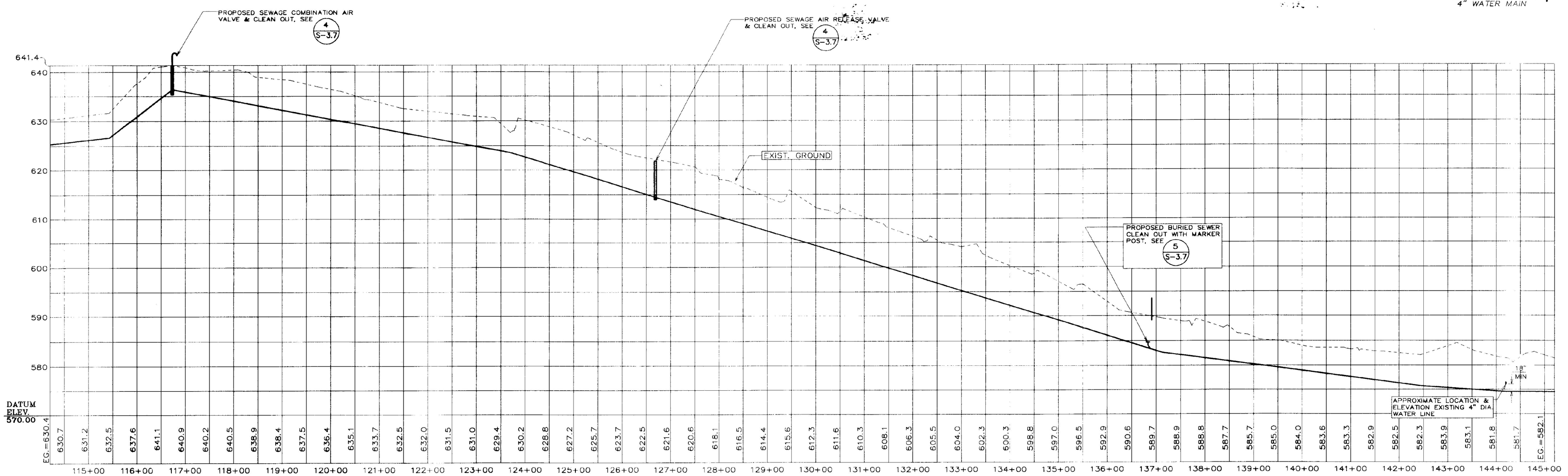
SHEET ____ OF ____
DATE PLOTTED: 8/18/98

AS BUILTS
DATE: 7/21/99



PLAN VIEW

SCALE: 1" = 100'



PROFILE

SCALE: 1" = 100' HORZ.
1" = 10' VERT.

TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
14	LOAM	NONE TO 74"	SEEP @34"
15	LOAM	NONE TO 75"	NONE
16	LOAM	NONE TO 72"	NONE
17	LOAM	NONE TO 75"	SEEP @60"
18	LOAM	NONE TO 78"	SEEP @70"
19	LOAM	NONE TO 82"	SEEP @44"
20	LOAM	NONE TO 78"	SEEP @60"
21	LOAM	NONE TO 84"	SEEP @72"
22	LOAM	NONE TO 72"	NONE
23	LOAM	NONE TO 72"	MOISTURE
24	LOAM	NONE TO 74"	NONE
25	LOAM & SAND	NONE TO 108"	SEEP @78"
26	LOAM & CLAY	NONE TO 30"	SEEP @20"

NOTES:
1) TEST PIT DATA GATHERED IN THE SPRING OF 1998. GROUNDWATER CONDITIONS WILL VARY.
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3) WHERE STONE LINED DITCHES ARE DISTURBED, SALVAGE AND REPLACE EXISTING STONE AND RE-LINE DITCH TO MATCH EXISTING
4) USE 4" INSULATION OVER FORCE MAIN AT ALL WATERWAY CROSSINGS SEE DETAIL 12, SHEET 3.7

VALVE SCHEDULE

VALVE NO.	STATION	TYPE
9	116+75	SEWAGE COMBO AIR VALVE
10	126+70	SEWAGE AIR RELEASE VALVE

HORIZONTAL SCALE IN FEET
100 50 0 100 200 300 400 500

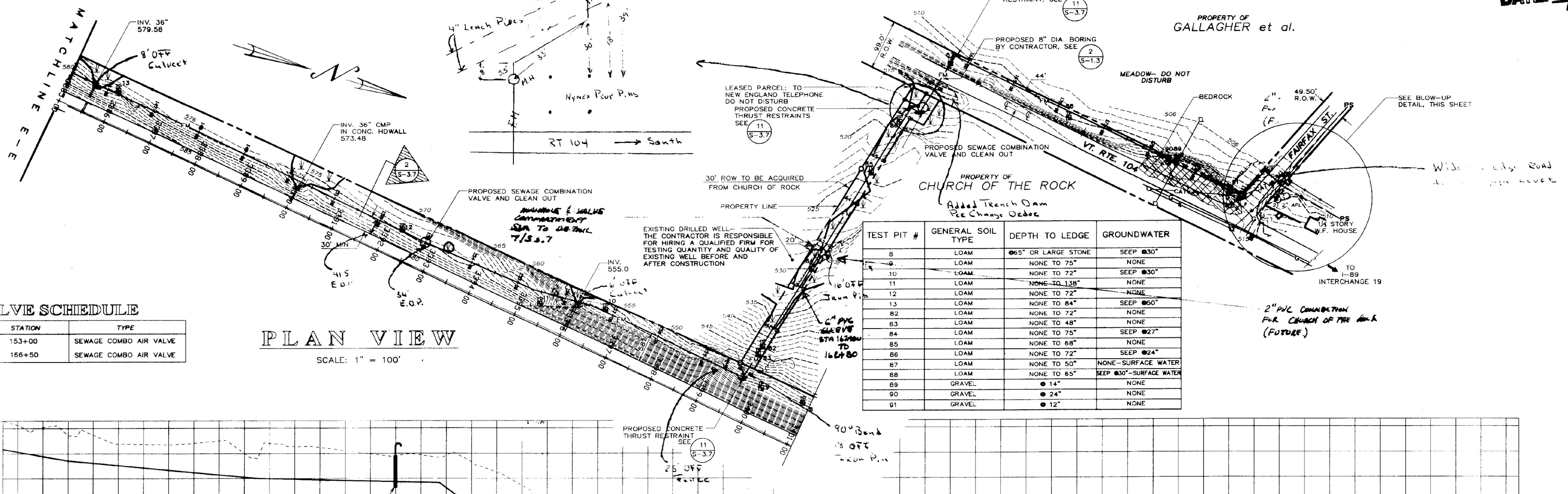
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: 21 AUGUST 1998	SCALE: 1"=100'	REVISIONS:	DRAWING NAME: PLAN AND PROFILE
DRAWN BY: WHP/BD	PROJECT NO. 97041		DRAWING NO: S-3.4
CHECKED BY: PHC			

SHEET ____ OF ____
DATE PLOTTED 8/18/98

AS BUILTS
DATE: 1/21/99



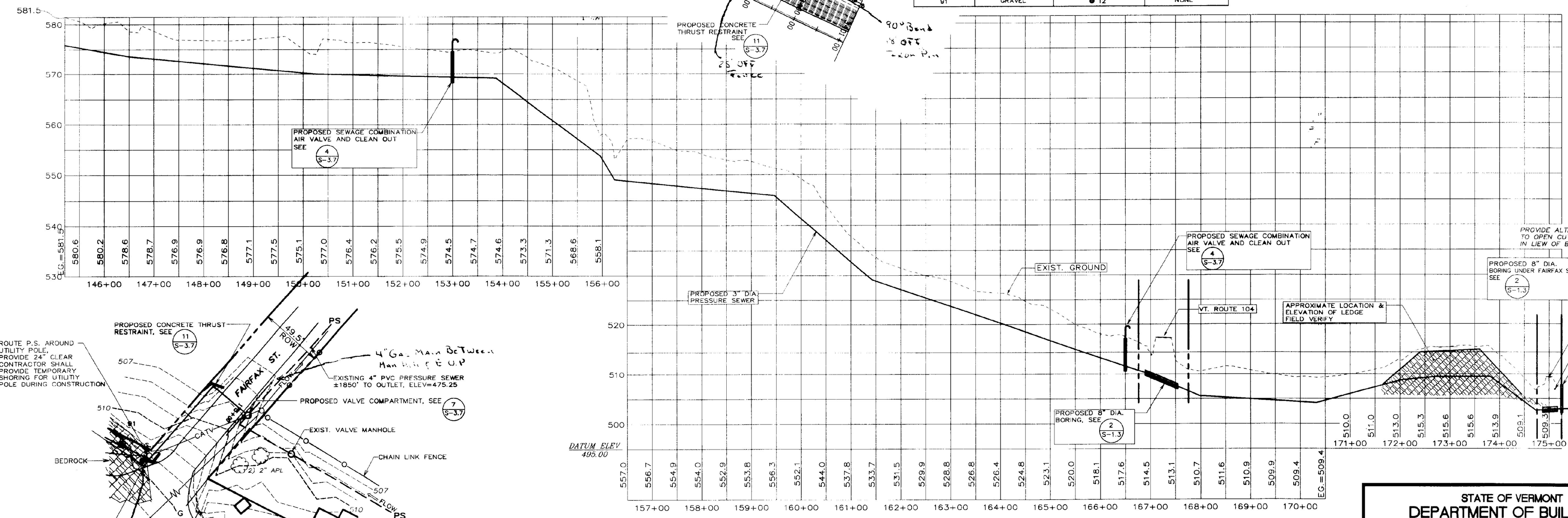
PLAN VIEW

SCALE: 1" = 100'

VALVE SCHEDULE

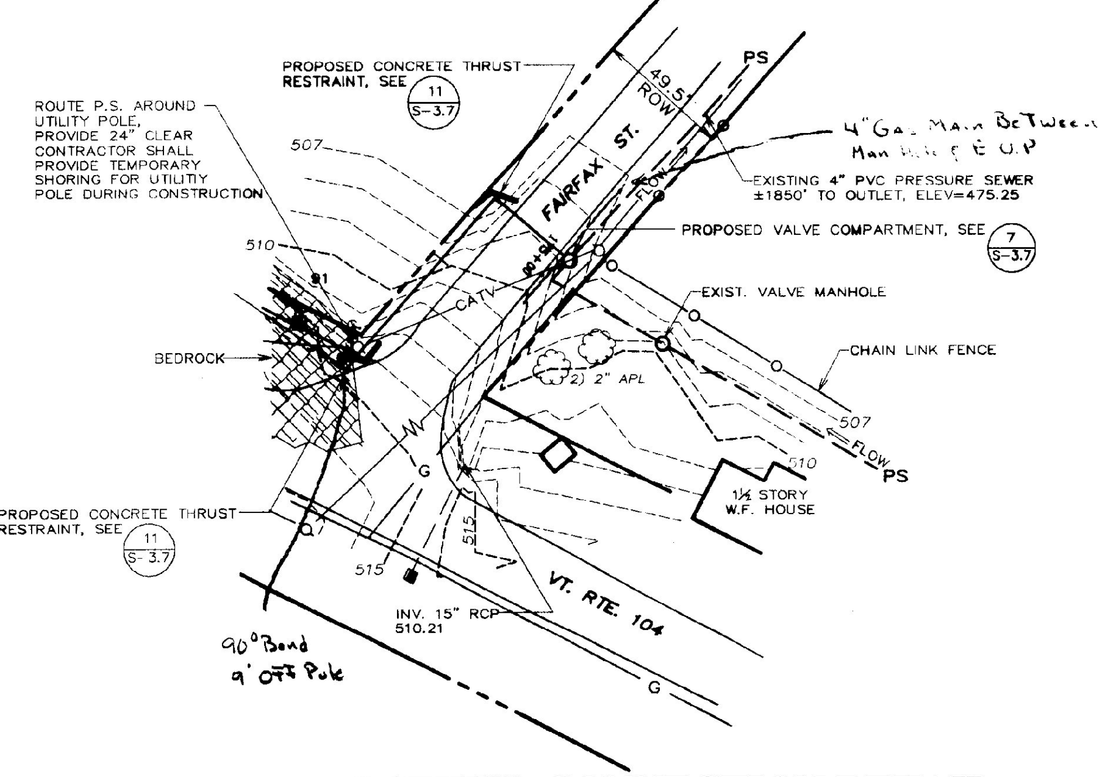
VALVE NO.	STATION	TYPE
11	153+00	SEWAGE COMBO AIR VALVE
12	166+50	SEWAGE COMBO AIR VALVE

TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
8	LOAM	@65" OR LARGE STONE	SEEP @30"
9	LOAM	NONE TO 75"	NONE
10	LOAM	NONE TO 72"	SEEP @30"
11	LOAM	NONE TO 138"	NONE
12	LOAM	NONE TO 72"	NONE
13	LOAM	NONE TO 84"	SEEP @50"
82	LOAM	NONE TO 72"	NONE
83	LOAM	NONE TO 48"	NONE
84	LOAM	NONE TO 75"	SEEP @27"
85	LOAM	NONE TO 68"	NONE
86	LOAM	NONE TO 72"	SEEP @24"
87	LOAM	NONE TO 50"	NONE-SURFACE WATER
88	LOAM	NONE TO 65"	SEEP @30"-SURFACE WATER
89	GRAVEL	@ 14"	NONE
90	GRAVEL	@ 24"	NONE
91	GRAVEL	@ 12"	NONE



PROFILE

SCALE: 1" = 100' HORZ.
1" = 10' VERT.



PRESSURE SEWER CONNECTION DETAIL

SCALE: 1" = 40'

NOTES:
1) TEST PIT DATA GATHERED IN THE SPRING OF 1998. GROUNDWATER CONDITIONS WILL VARY.
2) PROVIDE A MINIMUM OF 48" OF COVER WHEN CROSSING SWALES AND 60" MINIMUM IN A TYPICAL RUN.
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4) USE 4" INSULATION OVER FORCE MAIN AT ALL WATERWAY CROSSINGS SEE DETAIL 12, SHEET 3.7

HORIZONTAL SCALE IN FEET
100 50 0 100 200 300 400 500

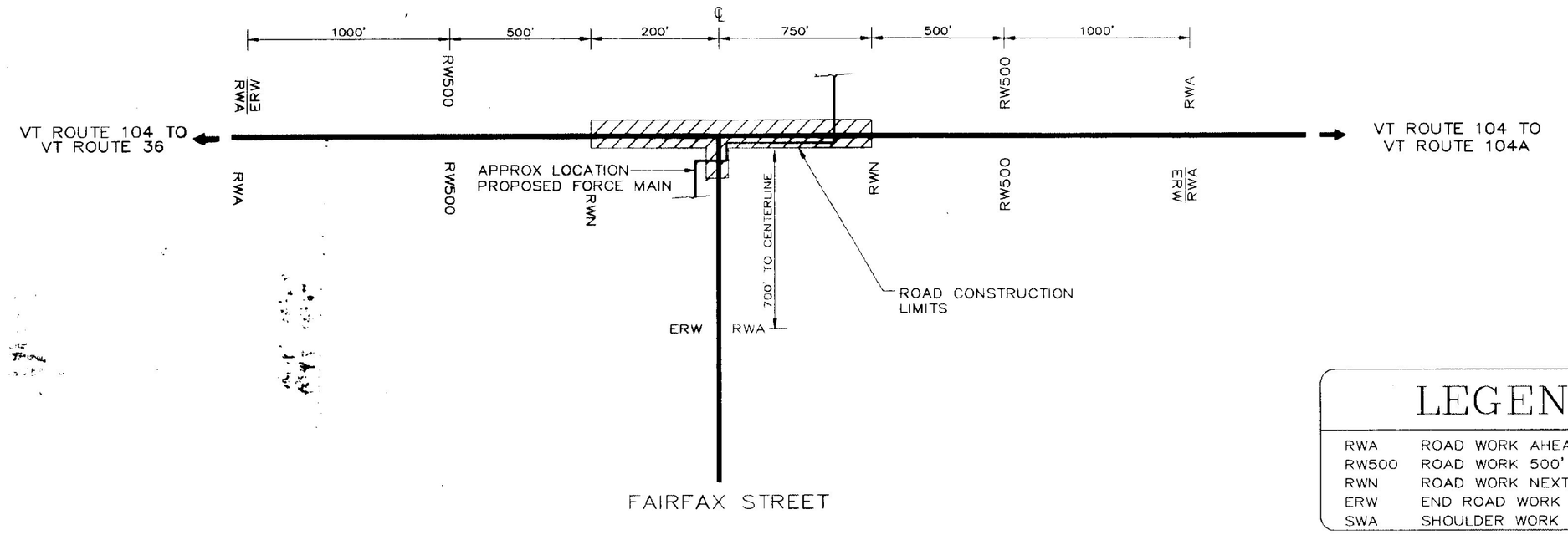
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: 21 AUGUST 1998	SCALE: 1"=100'	REVISIONS:	DRAWING NAME: PLAN AND PROFILE
DRAWN BY: WHP/BD	PROJECT NO. 97041		DRAWING NO: S-3.5
CHECKED BY: PHC			

SHEET ____ OF ____

AS BUILTS
DATE: 7/21/97



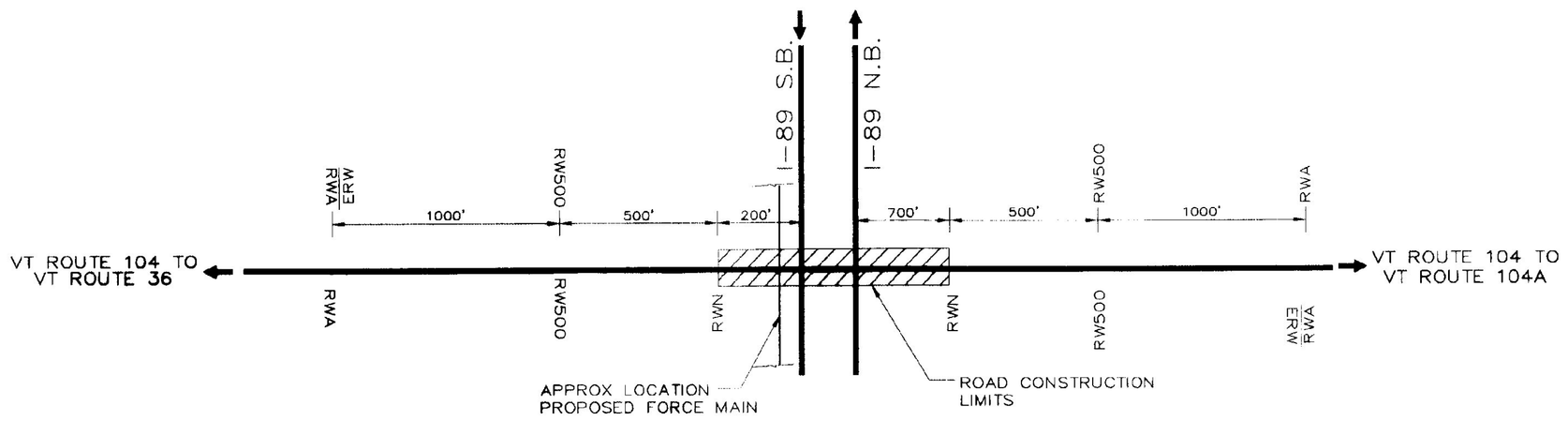
ROAD WORK NEXT SIGNS SHALL READ 0.2 MILES

NOTE: SIGNAGE SHALL BE ERECTED ON FLANGED CHANNEL SIGN POSTS A MINIMUM OF 10 DAYS BEFORE ANY CONSTRUCTION ACTIVITY OCCURS IN AREA

PLAN VIEW

NOT TO SCALE

LEGEND	
RWA	ROAD WORK AHEAD
RW500	ROAD WORK 500'
RWN	ROAD WORK NEXT XX MILES
ERW	END ROAD WORK
SWA	SHOULDER WORK AHEAD



NOTE: SIGNAGE SHALL BE ERECTED ON FLANGED CHANNEL SIGN POSTS A MINIMUM OF 10 DAYS BEFORE ANY CONSTRUCTION ACTIVITY OCCURS IN AREA

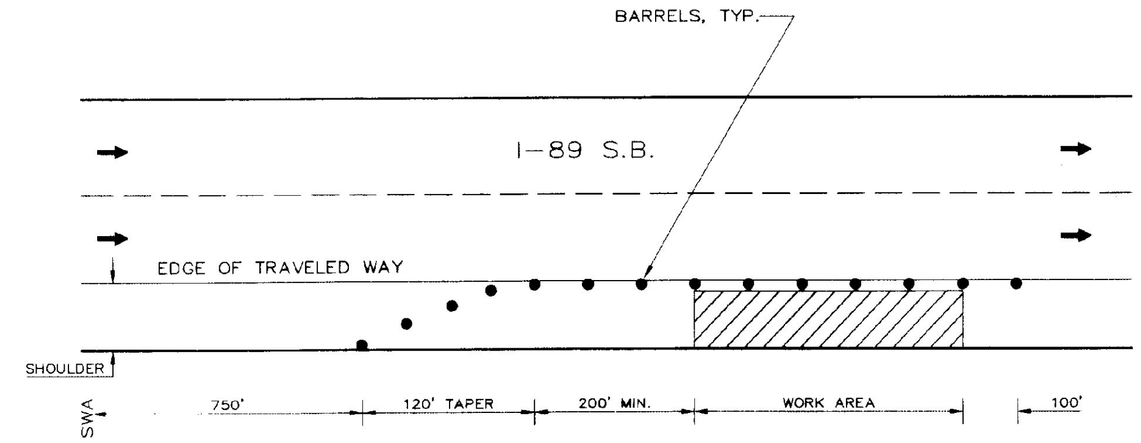
ROAD WORK NEXT SIGNS SHALL READ 0.3 MILES

PLAN VIEW

NOT TO SCALE

SOUTHBOUND & NORTHBOUND REST AREA

SOUTHBOUND & NORTHBOUND REST AREA CLOSURE PLAN– REFER TO ELSEWHERE IN THIS PLAN SET



NOTE: SEE VAOT STANDARD SHEET E-103 FOR RIGHT LANE CLOSURE IF NECESSARY

SOURCE: VT AOT

PLAN VIEW
I-89 SHOULDER CLOSING (TEMPORARY)

NOT TO SCALE

NOTES:

1) THE PURPOSE OF THIS PLAN IS TO DETAIL TRAFFIC CONTROL SIGNAGE AT SPECIFIC LOCATIONS. ALL TRAFFIC CONTROL SHALL COMPLY WITH VT AGENCY OF TRANSPORTATION REGULATIONS INCLUDING E-100 & E-103 STANDARD SHEETS INCLUDED IN THIS PLAN SET

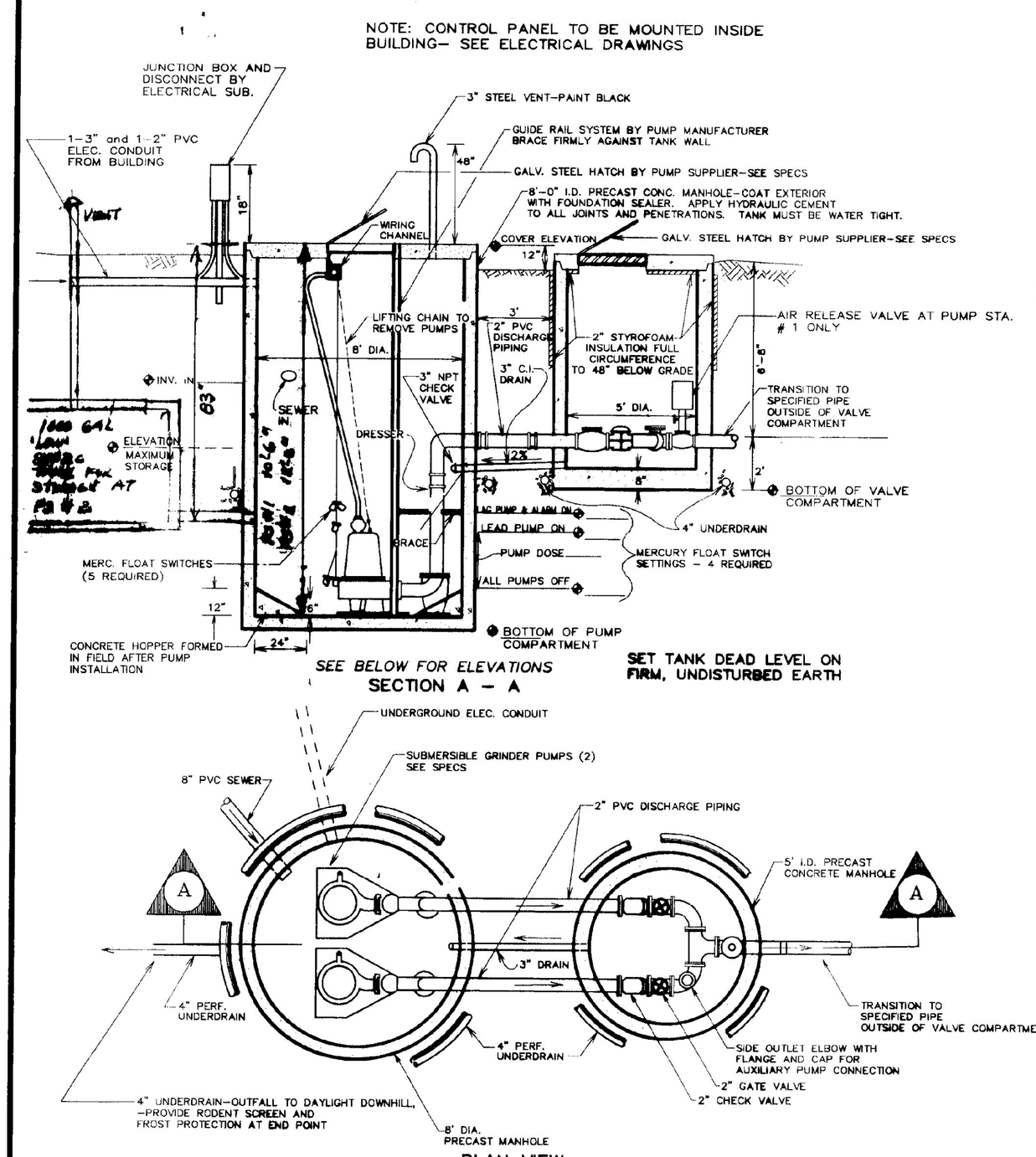
2) WORK OCCURRING ADJACENT TO I-89, WITHIN 30' FROM EDGE OF TRAVELLED WAY SHALL INCORPORATE I-89 SHOULDER CLOSING DETAIL

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE: 21 AUGUST 1996	SCALE: N/A	REVISIONS:	DRAWING NAME: TRAFFIC CONTROL SIGNAGE
DRAWN BY: WHP/BD	PROJECT NO. 97041		DRAWING NO: S-3.6
CHECKED BY: PHC			

SHEET _____ OF _____
DATE PLOTTED: 8/8/96

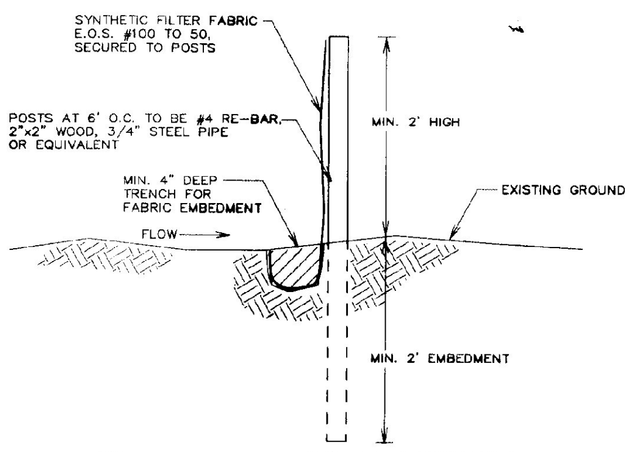


	BOTTOM OF PUMP COMP.	BOTTOM OF VALVE COMP.	COVER ELEVATION (PS & VC)	ALL PUMPS OFF	PUMP DOSE (gals)	LEAD PUMP ON	LAG PUMP & ALARM ON	INV. IN*	ELEV. MAX STORAGE
PUMP STATION #1	640.00	644.00	653.00	641.50	1500	645.50	646.00	647.00*	647.00
PUMP STATION #2	614.67	620.50	629.50	616.17	1687	620.67	621.17	623.50* GS 623.50* PS	623.50

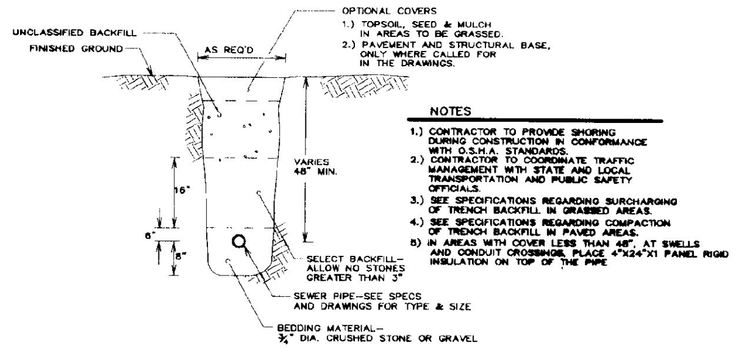
* CONTRACTOR SHALL SUPPLY ENGINEER WITH EXISTING SEWER GRADES TO CONFIRM PROPOSED INVERTS IN BEFORE MANUFACTURING PUMP COMPARTMENT STRUCTURE

1 S-3.7 WASTEWATER PUMP STATIONS #1 & #2

NOT TO SCALE

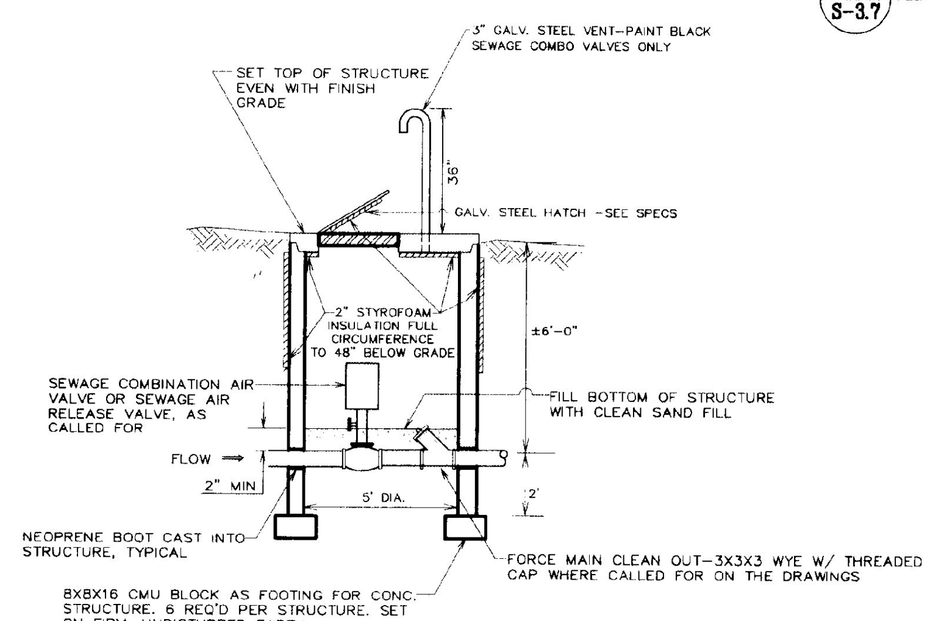


8 S-3.7 SILT FENCE



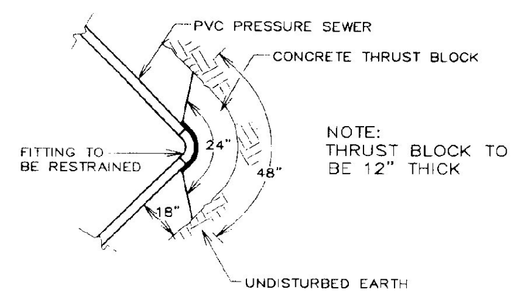
2 S-3.7 PRESSURE SEWER TRENCH

NOT TO SCALE



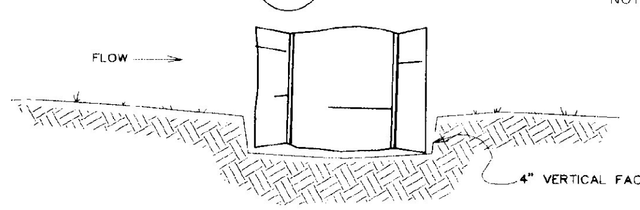
4 S-3.7 SEWAGE COMBO & SEWAGE AIR RELEASE VALVES

NOT TO SCALE

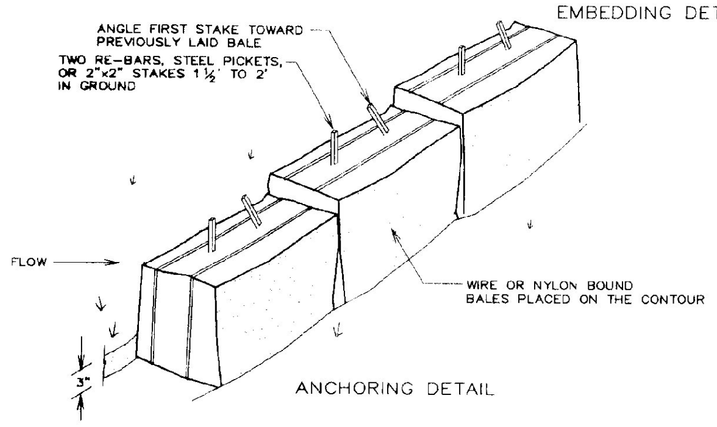


11 S-3.7 FORCE MAIN THRUST RESTRAINT

NOT TO SCALE



EMBEDDING DETAIL

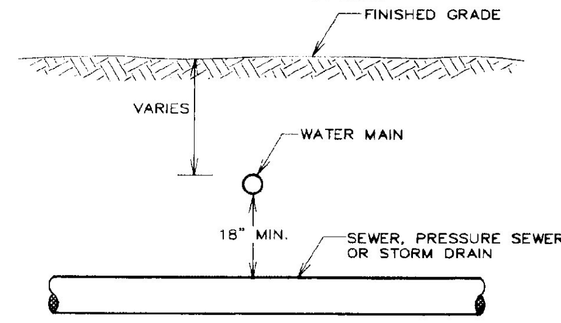


ANCHORING DETAIL

9 S-3.7 HAY BALE DAM

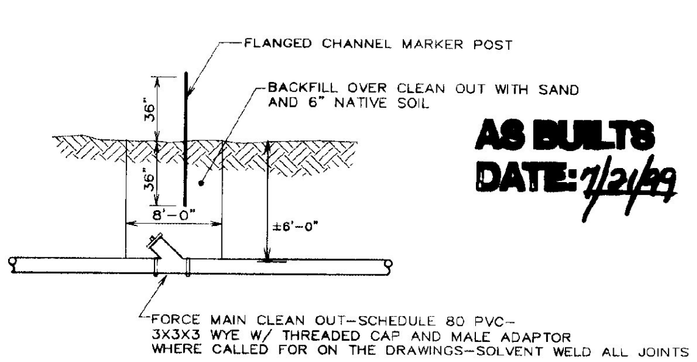
NOT TO SCALE

NOTE: USE FULL LENGTH OF WATER MAIN AND POSITION JOINTS AS FAR FROM SEWER AS POSSIBLE; IF SEWER IS ABOVE MAIN, MAINTAIN 18" VERTICAL SEPARATION (MINIMUM) AND ENCASE SEWER IN CONCRETE, EXTENDING BEYOND FIRST JOINT IN BOTH DIRECTIONS.



3 S-3.7 WATER/SEWER CROSSING

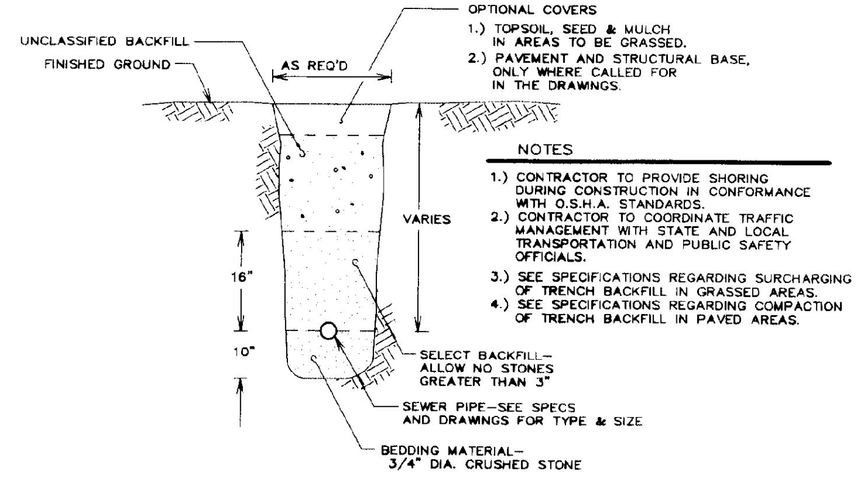
NOT TO SCALE



AS BUILTS DATE: 1/21/99

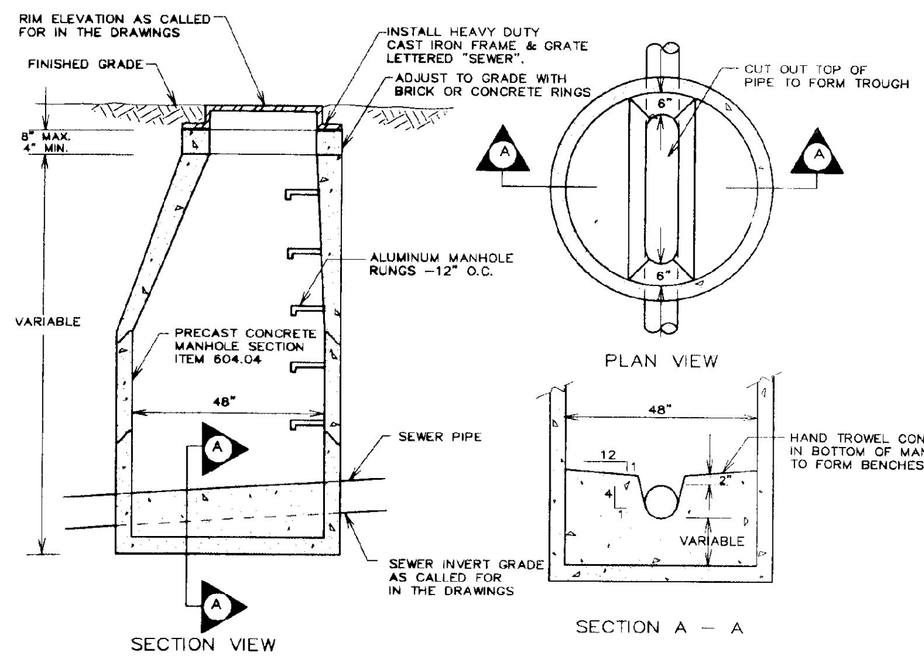
5 S-3.7 FORCE MAIN CLEAN OUT

NOT TO SCALE



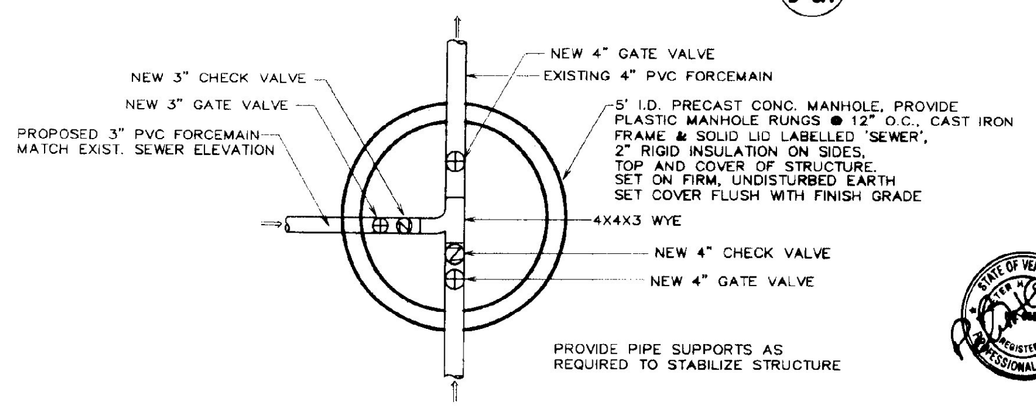
6 S-3.7 GRAVITY SEWER TRENCH

NOT TO SCALE



10 S-3.7 TYPICAL SEWER MANHOLE

NOT TO SCALE



7 S-3.7 PRESSURE SEWER CONNECTION DETAIL

NOT TO SCALE

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING NAME:
21 AUGUST 1998	AS NOTED	8/24/98: DET 2	DETAILS
DRAWN BY: WHP/BD	PROJECT NO. 97041		DRAWING NO: S-3.7
CHECKED BY: PHC			

SHEET OF

AS BUILTS
DATE: 7/2/99

GENERAL PROJECT NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS RELATED TO THE EXISTING BUILDING AND SITE. NEW WORK SHALL BE LAID OUT AND DIMENSIONS CHECKED FOR CONFORMITY WITH DRAWINGS. ADVISE OWNER AND A/E OF ANY DISCREPANCIES IMMEDIATELY.
2. THE EXISTING ROOF IS ASSUMED TO BE DESIGNED FOR 40+ LBS/SF LIVE LOAD AND TO BE CAPABLE OF SUPPORTING THE PROPOSED ROOF OVERBUILD. THE CONTRACTOR SHALL NOTIFY THE A/E WHEN THE ROOF SYSTEM AND BEARING POINTS AT STONE FACADE HAVE BEEN UNCOVERED TO ALLOW REVIEW OF HIDDEN EXISTING STRUCTURAL CONDITIONS.
3. STONEWORK: LIMITED STONE REMOVAL AND INFILL IS REQUIRED TO THE MAIN FACADE. THE CONTRACTOR SHALL ATTEMPT TO SALVAGE REMOVED STONE FOR REUSE AT INFILL LOCATIONS. IF ADDITIONAL STONE IS REQUIRED, NEW TO MATCH EXISTING IN SIZE, COLOR, TEXTURE, ETC., SHALL BE SUBMITTED TO THE A/E FOR APPROVAL. MORTAR SHALL MATCH EXISTING IN COMPOSITION, JOINT SIZE AND SHAPE AND COLOR. ALL STONEWORK SHALL BE CLEANED WITH LOW PRESSURE WATER WASH.
4. 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 AWAY FROM BUILDING WHERE APPLICABLE, TO AVOID STANDING WATER.
5. ALL EXTERIOR AND INTERIOR SURFACES SHALL RECEIVE AT LEAST ONE COAT OF PAINT. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
6. THE CONTRACTOR SHALL COORDINATE AND PROVIDE ALL, CUTOUTS, BLOCKING, BACKPLATES, RECESSED SLABS REQUIRED TO INSTALL THE WORK AND EQUIPMENT SHOWN.
7. THE CONTRACTOR SHALL PROVIDE ALL TRENCHES FOR MECHANICAL WORK INCLUDING BACKFILL, SLAB REPAIR, AND RESURFACING/REFINISHING TO MATCH EXISTING ADJACENT OR AS REQUIRED TO RECEIVE SCHEDULED NEW FINISHES.
8. CONCRETE INFILLS IN SLAB CUTS/OPENINGS OVER 6" WIDE SHALL BE DOWELED INTO EXISTING CONCRETE SLAB WITH #4 BARS DRILLED AND DRIVEN (6" TYP.) AT 2'-0" O.C. MAX.

REFINISHING OF EXISTING SURFACES:

1. WHERE EXISTING SURFACES ARE SCHEDULED TO REMAIN, THEY SHALL BE PREPARED AS CALLED FOR IN THE PAINTING SPECIFICATION AND REFINISHED PER THE ROOM FINISH SCHEDULE.
2. WHERE EXISTING SURFACES ARE DAMAGED OR LEFT UNFINISHED BY REMOVALS OR NEW CONSTRUCTION, REPAIR OR REPLACE DAMAGED AREAS TO MATCH EXISTING ADJACENT MATERIAL AND SURFACES, INCLUDING TEXTURE, LEVEL, ALIGNMENT, COLOR AND APPEARANCE. ALL PATCHES SHALL BE BLENDED INTO ADJACENT SURFACES.

1 GENERAL PROJECT NOTES:
SCALE: N.T.S.

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

SECTION OR DETAIL REFERENCE: DETAIL NUMBER; SHEET NUMBER WHERE DETAIL IS LOCATED.

VIEW DIRECTION

SIM. OPPH.

SPECIAL NOTES

WALL SECTIONS; THRU-BUILDING SECTIONS

ROOM / WALL ELEVATIONS

REVISION NOTE

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.

DETAIL No. / DETAIL TITLE / SCALE / SHEET No.

JOB SPECIFIC

EXISTING SURFACES

FINISHED SURFACE LINES – NEW

EXISTING DOOR TO REMAIN: SEE DOOR SCHEDULE INFORMATION.

EXISTING DOOR + FRAME TO BE REMOVED: SEE DEMOLITION PLANS.

NEW DOOR WITHIN NEW OR EXISTING CONSTRUCTION: SEE DOOR SCHEDULE INFORMATION.

2 SYMBOLS LEGEND
SCALE: N.T.S.

@	AT
∠	ANGLE
℄	CENTERLINE
⌶	CHANNEL
⊥	PERPENDICULAR
▱	PLATE
⌀	ROUND/DIAMETER

A.F.F.	ABOVE FINISH FLOOR
A.P.	ACCESS PANEL
A.T.	ASPHALT TILE
A/C	AIR CONDITIONING
AC.	ACRE
ACT.	ACOUSTICAL TILE
ADD'N.	ADDITION
ADD.	ADDENDUM
ADJUST.	ADJUSTABLE
ALT.	ALTERNATE
ALUM.	ALUMINUM
ANCH.	ANCHOR(AGE)
ANOD.	ANODIZED
APPROX.	APPROXIMATE
ARCH.	ARCHITECT(URAL)
ASB.	ASBESTOS
ASPH.	ASPHALT
B.M.	BENCHMARK
B.U.R.	BUILT-UP ROOF
B.W.	BOTH WAYS
B/O	BOTTOM OF
BD.	BOARD
BLDG.	BUILDING
BLKG.	BLOCKING
BLKT.	BLANKET
BM.	BEAM
BRG.	BEARING
BRK.	BRICK
BSMT.	BASEMENT
BVL.	BEVELED
C.H.	CHEMICAL HARDENER
C.I.	CAST IRON
C.I.P.	CAST-IN-PLACE
C.J.	CONTROL JOINT
C.L.L.	CONTRACT LIMIT LINE
C.M.P.	CORRUGATED METAL PIPE
C.M.T.	CERAMIC MOSAIC TILE
C.M.U.	CONCRETE MASONRY UNIT
C.T.	CERAMIC TILE
CABT.	CABINET
CARP.	CARPENTER
CB.	CHALKBOARD
CEM.	CEMENT
CL.	CLOSET
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
COMB.	COMBINATION
COMP.	COMPOSITE
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CORR.	CORRIDOR
CORRUG.	CORRUGATED
CPT.	CARPET
CRS.	COURSE(S)
C.U.H.	CABINET UNIT HEATER
D.	DEPTH
D.F.	DRINKING FOUNTAIN
D.H.	DOUBLE HUNG
D.O.	DOOR OPENING/DITTO
DEFL.	DEFLECTION
DIA.	DIAMETER
DIAG.	DIAGONAL

DIMEN.	DIMENSION
DL.	DEAD LOAD
DN.	DOWN
DTL.	DETAIL
DWG.	DRAWING
E.J.	EXPANSION JOINT
E.P.	ELECTRIC PANEL
EIFS	EXTERIOR INSUL. & FINISH SYSTEM
E.W.C.	ELECTRIC WATER COOLER
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRIC(AL)
ELEV.	ELEVATOR
ENTR.	ENTRANCE
EQ.	EQUAL
EQUIP.	EQUIPMENT
ESTIM.	ESTIMATE
EXG.	EXISTING
EXH.	EXHAUST
EXP.	EXPOSED
EXPAN.	EXPANSION
EXT.	EXTERIOR
F.B.O.	FURNISHED BY OTHER
F.C.U.	FAN COIL UNIT
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.H.	FIRE HYDRANT
F.N.D.	FEMININE NAPKIN DISPOSAL
F.O.	FRAME OPENING
F.P.	FIREPROOFING
F/O	FACE OF
F/R	FIRE-RESISTIVE
FAP	FIRE ANNUNCIATION (ALARM) PANEL
FDN.	FOUNDATION
FIN.	FINISH(ED)
FIXT.	FIXTURE
FL'G.	FLASHING
FL.	FLOOR
FM	FACTORY MUTUAL
FNV.	FEMININE NAPKIN VENDOR
FR.	FRAME
FRM'G.	FRAMING
FT.	FOOT/FEET
FTG.	FOOTING
FUR.	FURRING
FURN.	FURNISHED/FURNITURE
FWC	FABRIC WALL COVERING
G.B.	GRAB BAR
G.C.	GENERAL CONTRACTOR
G.C.T.	GLAZED CERAMIC TILE
GA.	GAUGE
GALV.	GALVANIZED
GKT.	GASKET
GL.	GLASS, GLAZING
GWB.	GYPSUM WALLBOARD
GYP.	GYPSUM
H.	HEIGHT
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
H/C	HANDICAPPED
HBD.	HARDBOARD
HDWD.	HARDWOOD
HDWR.	HARDWARE
HGLR.	HEAT/GLARE/LIGHT REDUCING(GLASS)
HORIZ.	HORIZONTAL
HR.	HOUR
HVAC.	HEATING/VENTILATING/AIR COND.
I.C.S.	INSULATED COMPOSITE SIDING
I.D.	INSIDE DIAMETER
IMPREG.	IMPREGNATED
INCL.	INCLUDE(D) (-ING)
INSUL.	INSULATE(D) (-ION) (-ING)
INT.	INTERIOR
INV.	INVERT

JAN.	JANITOR
JT.	JOINT
L.	LENGTH
LAM.	LAMINATE(D)
LAV.	LAVATORY
LF	LINEAR FEET
LG.	LONG
LL.	LIVE LOAD
LLH.	LONG LEG HORIZONTAL
LLV.	LONG LEG VERTICAL
LOC.	LOCATE(D) (-ION)
LT-GA.	LIGHT GAUGE
LTG.	LIGHTING
LTL.	LINTEL
LVR.	LOUVER
M.O.	MASONRY OPENING
M.R.	MOISTURE RESISTANT
MACH.	MACHINE
MAT.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MET.	METAL(LIC)
MEZZ.	MEZZANINE
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MLDG.	MOULDING
MMB.	MEMBRANE
MSRY.	MASONRY
MTL.	METAL
MULL.	MULLION
N.A.	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.S.	NON-SLIP
N.T.S.	NOT TO SCALE
NAT.	NATURAL
NO.	NUMBER
NOM.	NOMINAL
O.A.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPNG.	OPENING
OPP.	OPPOSITE
OPPH.	OPPOSITE HAND
OSU	OHIO STATE UNIV. (TEST)
PAF	POWER ACTIVATED FASTENER
P.M.S.	PREFORMED METAL SIDING
P.V.C.	POLYVINYL CHLORIDE
PBD.	PARTICLE BOARD
PERIM.	PERIMETER
PL.	PLASTIC/PLATE
PL.LAM.	PLASTIC LAMINATE
PLAS.	PLASTER
PLBG.	PLUMBING
PLYWD.	PLYWOOD
PNL.	PANEL
PREFAB.	PREFABRICATE(D)
P.T.	PRESSURE TREATED
PT./PTD.	PAINT/PAINTED
PTN.	PARTITION
PVMT.	PAVEMENT
Q.T.	QUARRY TILE
QTY.	QUANTITY
R.	RADIUS/RISER
R.B.	RUBBER BASE
R.D.	ROOF DRAIN
R.F.	RUBBER FLOORING
R.O.	ROUGH OPENING
REF.	REFERENCE
REINF.	REINFORCED
REQ'D	REQUIRED
RET.	RETURN
REV.	REVISED/REVISION
RM.	ROOM
RUB.	RUBBER

S.C.	SOLID CORE
S.S.	STAINLESS STEEL
S.T.C.	SOUND TRANSMISSION CLASS
SCH.	SCHEDULE
SECT.	SECTION
SH.	SHEET
SHTH.	SHEATHING
SIM.	SIMILAR
SLNT.	SEALANT
SLR.	SEALER
SPEC.	SPECIFICATION
SPR.	SPRINKLER
SQ.	SQUARE
ST./STL.	STEEL
STD.	STANDARD
STR./STRUCT.	STRUCTURE(-AL)
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T.	TRANSFORMER/TREAD
T.&G.	TONGUE & GROOVE
T/CONC.	TOP OF CONCRETE
T/D	TOP OF DECK
T/O	TOP OF
T/S	TOP OF STEEL
T/W	TOP OF WALL
TB	TACKBOARD
TEL.	TELEPHONE
TEM.	TEMPERED
TEMP.	TEMPERATURE
TERM.	TERMINAL
TERR.	TERRAZZO
TH.	THICK(NESS)
THRES.	THRESHOLD
TLT.	TOILET
TRANS.	TRANSPORT
TRANSF.	TRANSFORMER
TRANSP.	TRANSPARENT
TRS.	TILE REDUCER STRIP
TYP.	TYPICAL
U.C.	UNDERCUT
U.N.O.	UNLESS NOTED OTHERWISE
UL	UNDERWRITER'S LAB. (TEST)
UR.	URINAL
V.	VINYL
V.B.	VAPOR BARRIER
V.I.F.	VERIFY IN FIELD
V.P.	VISION PANEL
VAR.	VARNISH
VB	VINYL BASE
VCT.	VINYL COMPOSITION TILE
VERT.	VERTICAL
VEST.	VESTIBULE
VNR.	VENEER
VT	VINYL TILE
VWC.	VINYL WALLCOVERING
W.	WIDTH
W.C.	WATER CLOSET
W.GL.	WIRE GLASS
W.P.	WATERPROOF/WORKPOINT
W.R.	WATER REPELLENT/RESISTANT
W.S.	WEATHER STRIP
W.W.	WINDOW WALL
W.W.F.	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT
WDW.	WINDOW

JOB SPECIFIC ABBREVIATIONS

EPOX.	FULL LAYER OF EPOXY/ MASTIC FLOORING
EPOX./S	SKIMCOAT LAYER OF EPOXY/ MASTIC FLOORING
F.G	FLOOR GRATE
SGFT	STRUCTURAL GLAZED FACING TILE

4 ABBREVIATIONS
SCALE: N.T.S.

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.) (NOM. DIMEN.); 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 STREET LIGHT TO REMAIN; NEW LUMINAIRE; FLAGPOLE

5 MATERIALS LEGEND
SCALE: N.T.S.

RM #	RM NAME	FLOOR MAT.	FLOOR COLOR	BASE MAT.	BASE COLOR	WALLS MAT.	WALLS FIN.	WALLS COLOR	CEILING MAT.	CEILING FIN.	CEILING COLOR	WDW TRIM MAT.	WDW TRIM FIN.	WDW TRIM COLOR	REMARKS
01	VESTIBULE	F.G.	--	*	PT-1	*	*	PT-1	WD	P	PT-6	*	*	PT-1	* STOREFRONT GLAZING SYSTEM (SEE SPEC'S)
02	LOBBY	EPOX/S	EP-1	EPOX/S	EP-1	E/GWB	G	PT-3	E/GWB	F-1	PT-3	WD	O	PT-2	
03	WOMEN TLT	EPOX/S	EP-1	EPOX/S	EP-1	EXG	*G	* PT-3	EXG	F-1	PT-3	WD	L	PT-5	* ONLY AT AREAS COVERED BY GWB
04	MEN TLT	EPOX/S	EP-1	EPOX/S	EP-1	EXG	*G	* PT-3	EXG	F-1	PT-3	WD	L	PT-5	* ONLY AT AREAS COVERED BY GWB
05	UNISEX TLT	EPOX	EP-1	SGFT	ST-1	SGFT	ST-1/ST-2		GWB	F-1	PT-3	--	--	--	
06	CORRIDOR	EPOX	EP-1	EPOX	EP;-1	GWB	G	PT-3	GWB	F-1	PT-3	--	--	--	
07	UTIL CORR	EXG	*	EXG	EXG	EXG/CMU	I	PT-3	EXG	F-1	PT-3	--	--	--	* PT TO MATCH EXISTING
08	CLOSET	EPOX	EP-1	EPOX	EP-1	GWB	G	PT-3	NO CLG	NO CLG	--	--	--	--	

NOTES:

1. NEW WOOD AT EXTERIOR SOFFITS AND VESTIBULE CEILING SHALL BE CEDAR AND HAVE PT-6
2. EXG. WOOD AT EXTERIOR SOFFITS SHALL HAVE PT-6
3. THE STOREFRONT SYSTEM INCLUDING THE ALUMINUM DOORS SHALL BE PT-1
4. ALL INTERIOR AND EXTERIOR HM DOORS SHALL BE PT-4 EXCEPT DOORS #209, #210 WHICH SHALL BE PT-3
5. ALL INTERIOR AND EXTERIOR HM FRAMES SHALL BE PT-5 EXCEPT DOORS #209, #210 WHICH SHALL BE PT-3
6. ALL EXTERIOR WINDOW TRIM FASCIA, CORNERBOARDS, WOOD TRIM & COLUMNS SHALL BE PT-5
8. SEE ADDITIONAL FINISHES IN SPEC'S (FINISHES O, F-1, G, L, CAN BE LOCATED IN SECTION 09900, 3.04 – INTERIOR SURFACES).

ALL MFR'S LISTED ARE SPECIFIED FOR DESIGN, QUALITY AND FINISH. OTHER APPROVED EQUIVALENTS WILL BE ACCEPTABLE.

PAINT:

PT-1 KYNAR 500 FINISH IN IVY GREEN (FACTORY FINISH)
PT-2 CLEAR WOOD FINISH (SEE TYPE "O" IN SPEC'S)
PT-3 GLIDDEN 60YY 83/062
PT-4 GLIDDEN 50GG 25/127
PT-5 GLIDDEN 50GG 21/137
PT-6 GLIDDEN SEMI-TRANSPARENT STAIN CEDARTONE 963

FLOORING:

EP-1 POURED SEAMLESS FLOORING (SEE SPEC'S)

SGFT:

ST-1 STARK #681 NIMBUS WHITE
ST-2 STARK #195 CARRIBEAN REEF

3 ROOM FINISH SCHEDULE
SCALE: N.T.S.

REGISTERED ARCHITECT R. JOHN DORE NO. 1159 STATE OF VERMONT

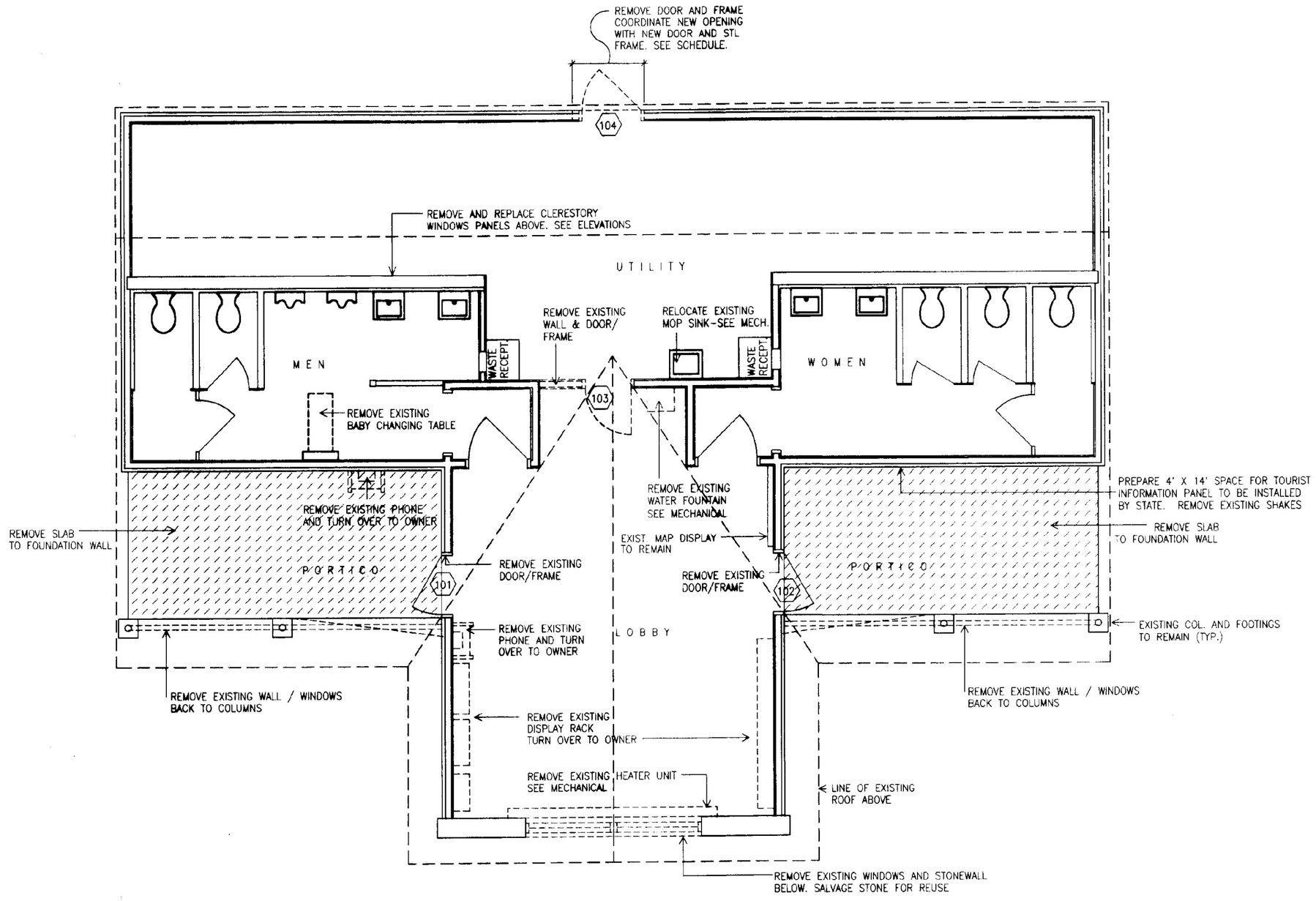
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE: AUGUST 21, 1998	SCALE: AS NOTED	REVISIONS:	DRAWING NAME: SYMBOLS / LEGEND AND NOTES
DRAWN BY: MBB	PROJECT NO. IM 089-3 (30)		DRAWING NO.: A-0.0
CHECKED BY: JBA			

H:\PROJECTS\VA\GEORGIA\NB-SB\ARC\NB-SB_ARC_A0.DWG Fri, Jul 24 14:19:38 1998 Plotted By: Michael S. Shannon

AS BUILTS
DATE: 7/21/99



1 EXISTING FLOOR PLAN

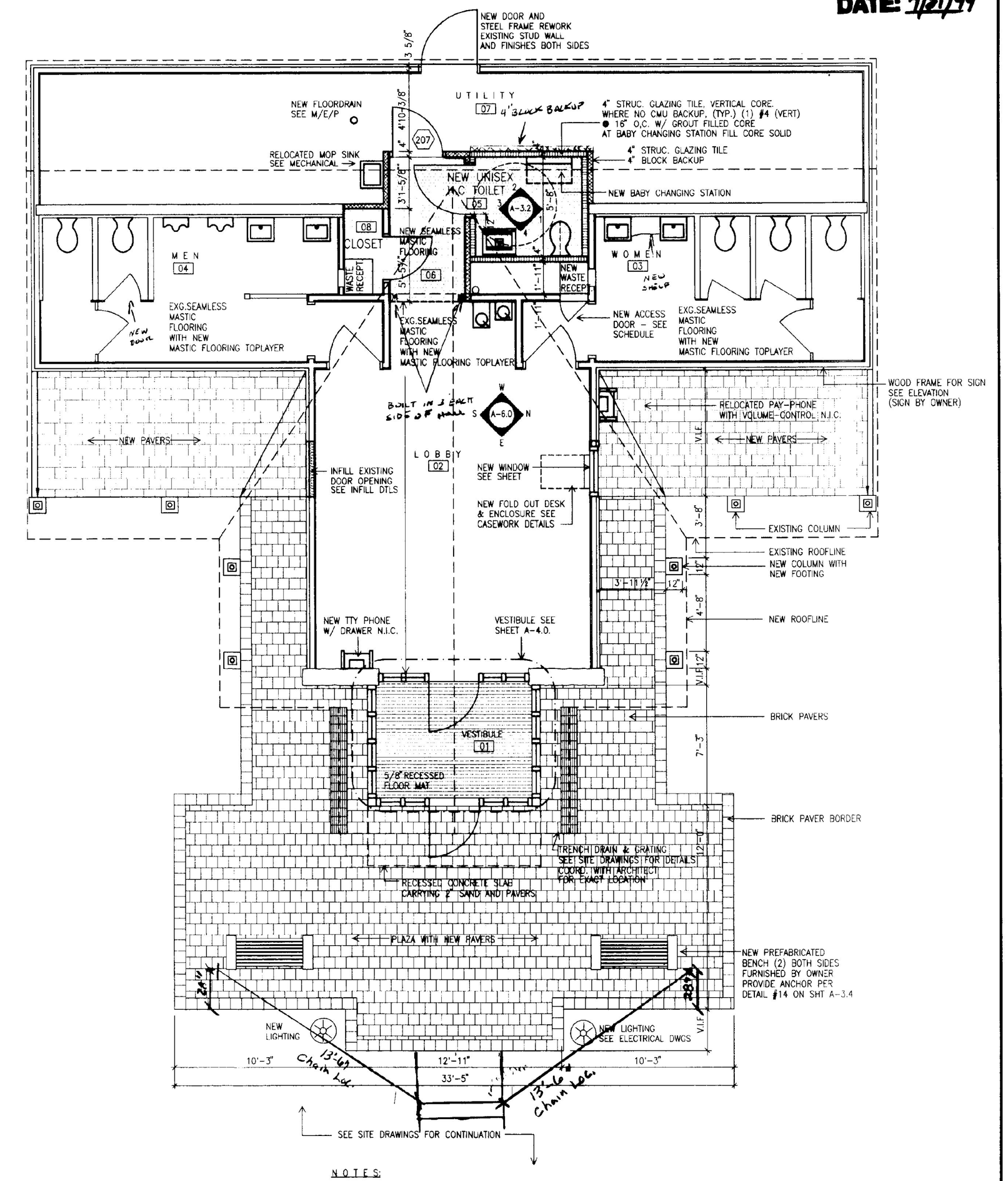
SCALE: 1/4" = 1'

NOTES:

- REMOVE ANY EXISTING HANDICAPPED SIGNAGE AT RESTROOMS AND SIGNAGE THAT DOES NOT COMPLY
- SEE MECH / ELEC FOR ADDITIONAL REMOVALS
- SEE ELEVATIONS FOR ADDITIONAL REMOVALS

LEGEND

- CONCRETE
- CMU
- STRUCTURAL GLAZED TILE
- PRECAST CONCRETE BRICK PAVERS
- ASPHALT
- NEW MASTIC FLOORING
- SIGNAGE
- EXISTING DOOR
- NEW DOOR
- DEMOLITION



NOTES:

- INSTALL NEW HANDICAPPED SIGNAGE WHERE REQUIRED
- INSTALL NEW SIGNAGE FOR BABY CHANGING STATION.

2 NEW FLOOR PLAN

SCALE: 1/4" = 1'

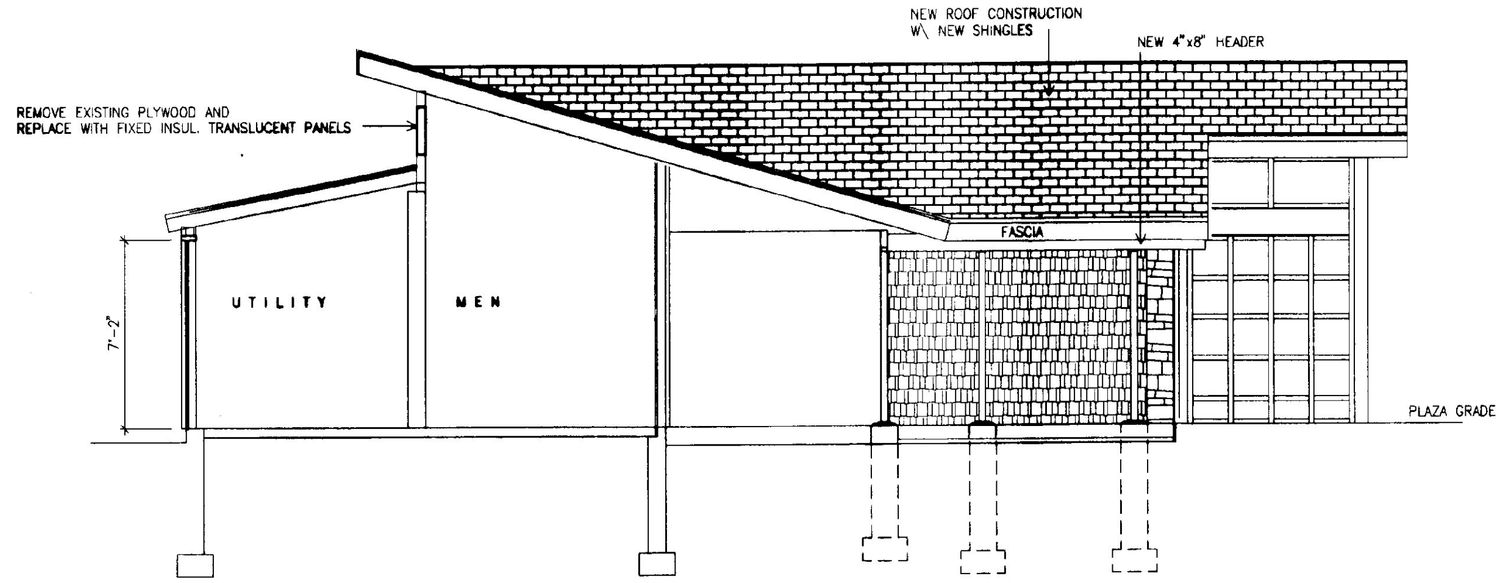
REGISTERED ARCHITECT R. JOHN DORE NO. 1182 STATE OF VERMONT

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

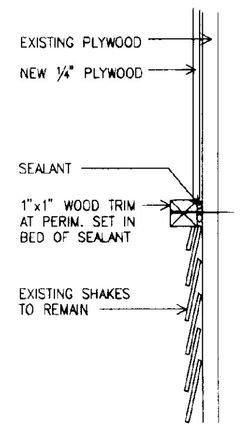
GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	1/4"=1'-0"		BUILDING PLAN
DRAWN BY: MSB	PROJECT NO. IM 089-3 (30)		DRAWING NO: A-1.0
CHECKED BY: JBA			

AS BUILTS
DATE: 7/24/98



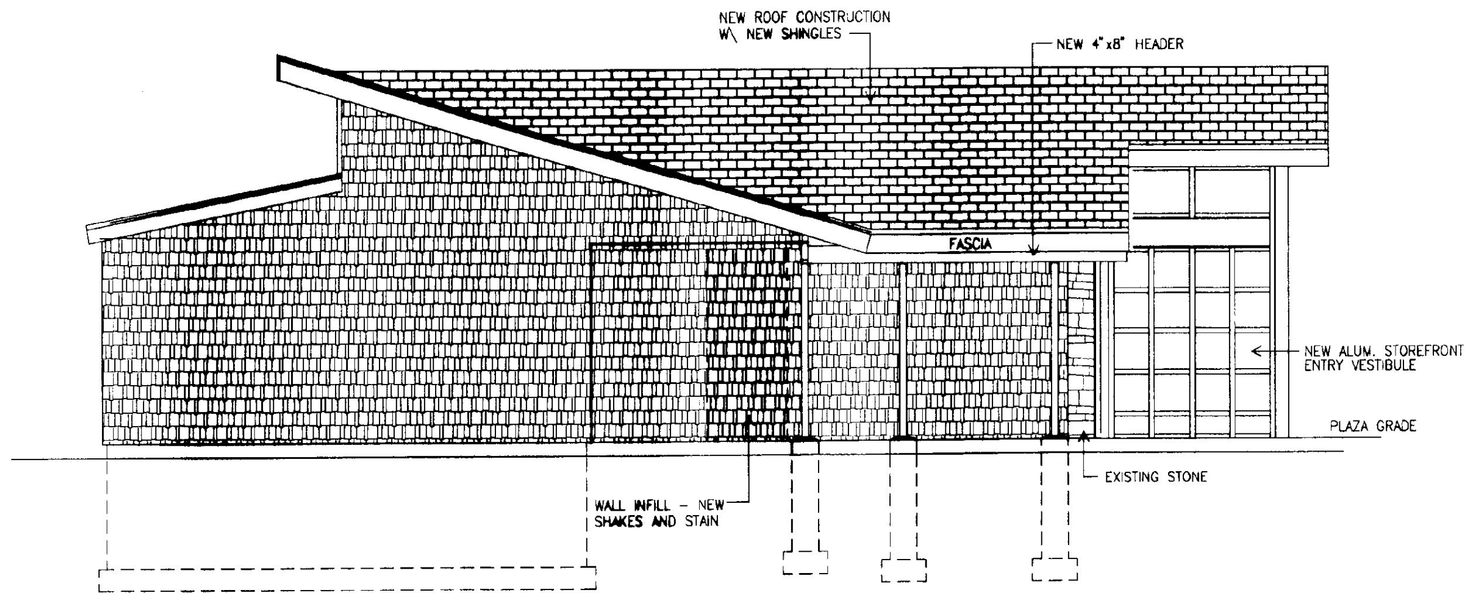
1 SECTION A-A
SCALE: 1/4" =1'



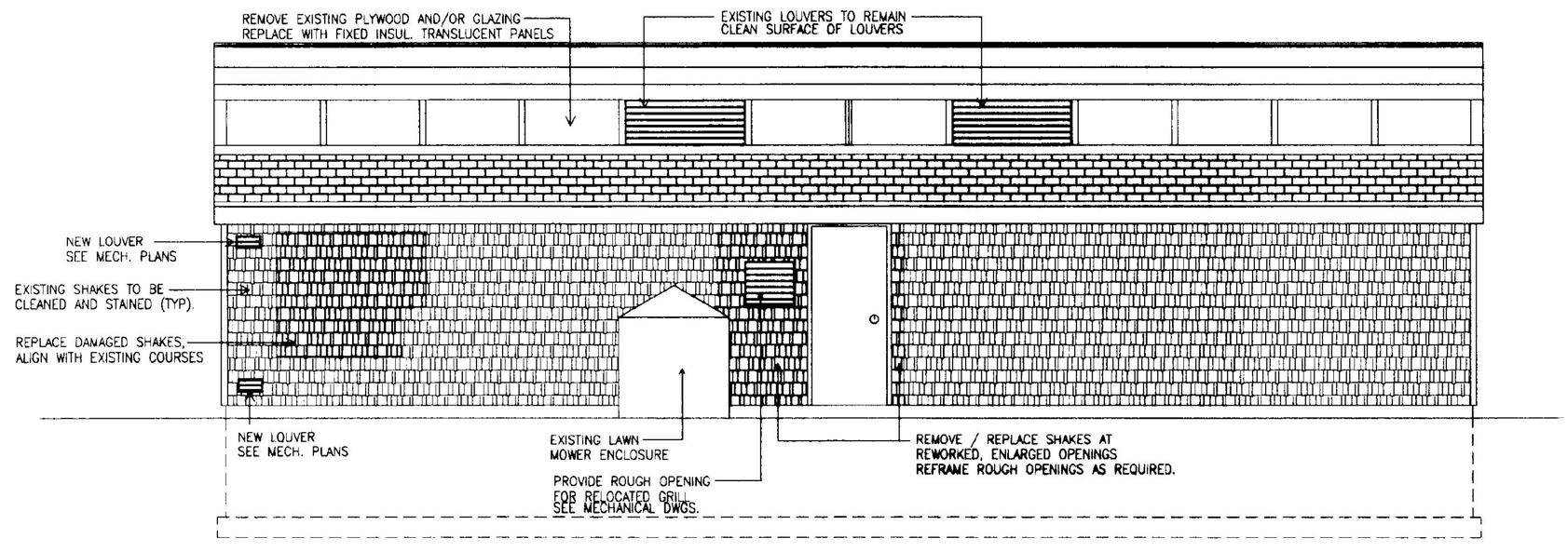
6 PANEL TRIM DETAIL
SCALE: N.T.S.

EXTERIOR GENERAL NOTES:

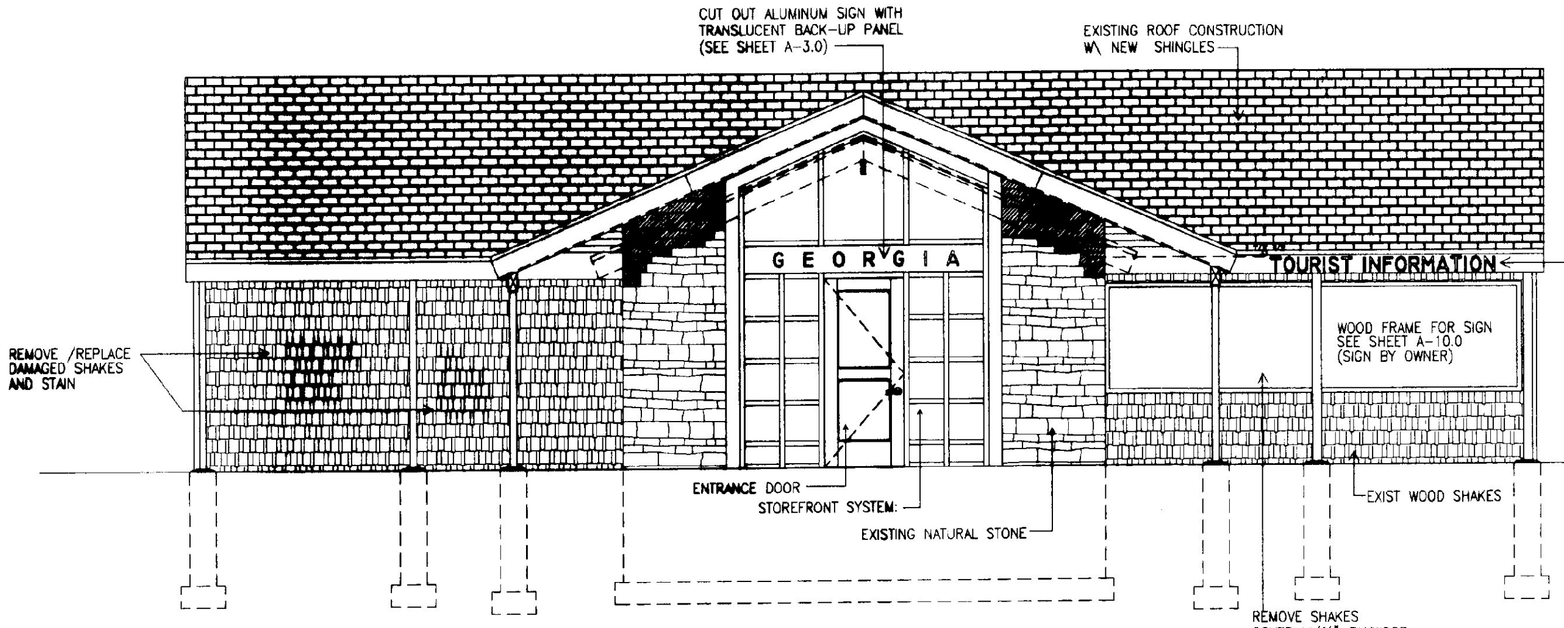
1. AREA OF SHAKES HIGHLIGHTED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY TO DETERMINE THE EXTENT OF SHAKE REPLACEMENT.
2. WHERE SHAKES ARE BEING REPLACED, CONTRACTOR SHALL VERIFY INTEGRITY OF EXISTING BUILDING PAPER AND REPLACE IF NECESSARY.
3. AT ROOF REPLACEMENT,CONTRACTOR SHALL PROVIDE NEW 30LB BUILDING FELT NEW FASCIA, DRIP EDGE WHERE APPLICABLE AND ICE AND WATER SHIELD AT ALL VALLEYS, EAVES AND AS SHOWN ON DRAWINGS. ICE AND WATER SHIELD AT EAVES SHALL EXTEND FROM EAVE EDGE TO 3' BEYOND EXTERIOR WALL.



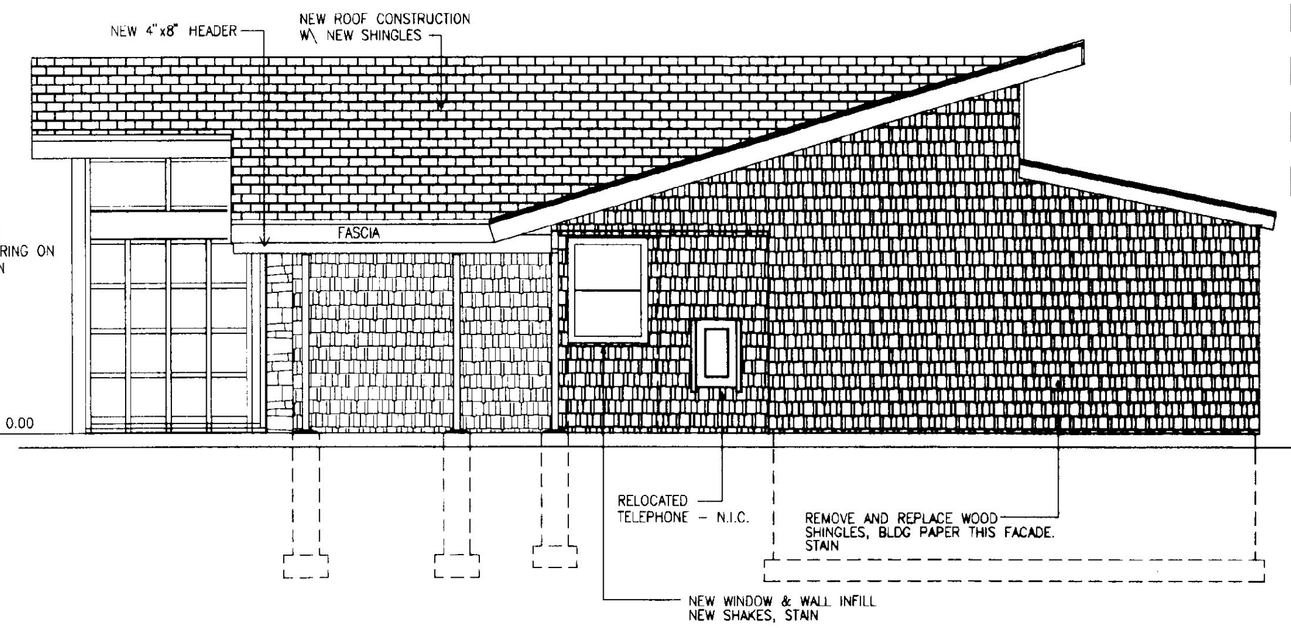
2 NORTH ELEVATION
SCALE: 1/4" =1'



4 EAST ELEVATION
SCALE: 1/4" =1'



3 WEST ELEVATION
SCALE: 1/4" =1'



5 SOUTH ELEVATION
SCALE: 1/4" =1'

REGISTERED ARCHITECT
M. JOHN DORE
NO. 1408
STATE OF VERMONT

LEGEND

- BLOCK WALL CONSTRUCTION
- NATURAL STONE WALL
- FACADE SHAKES
- ROOF SHINGLES
- BATT INSULATION

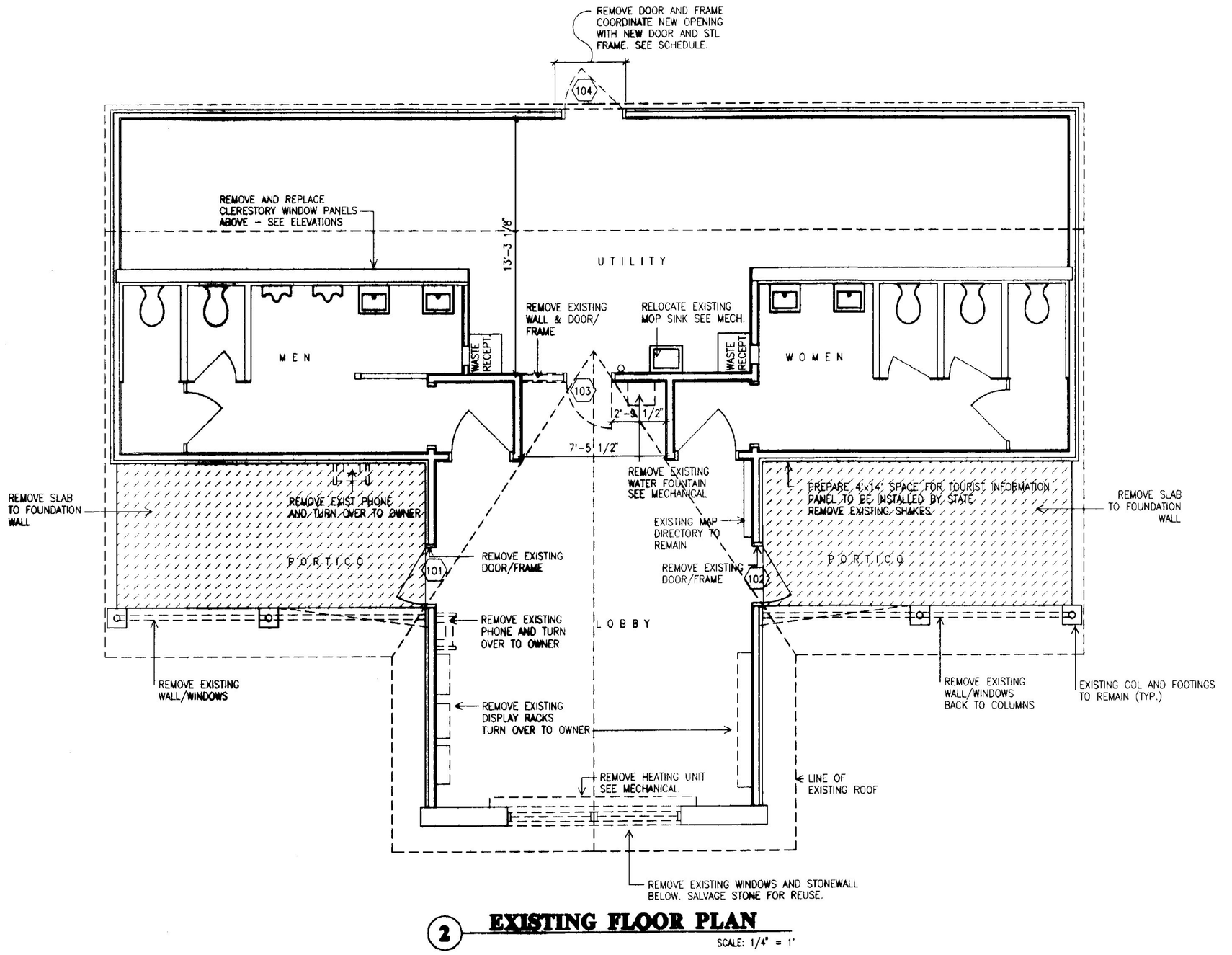
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	1/4"=1'-0"		BUILDING ELEVATION
DRAWN BY: MBS	PROJECT NO.		DRAWING NO:
CHECKED BY: JBA	IM 089-3 (30)		A-1.1

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AS BUILTS
DATE: 7/21/99

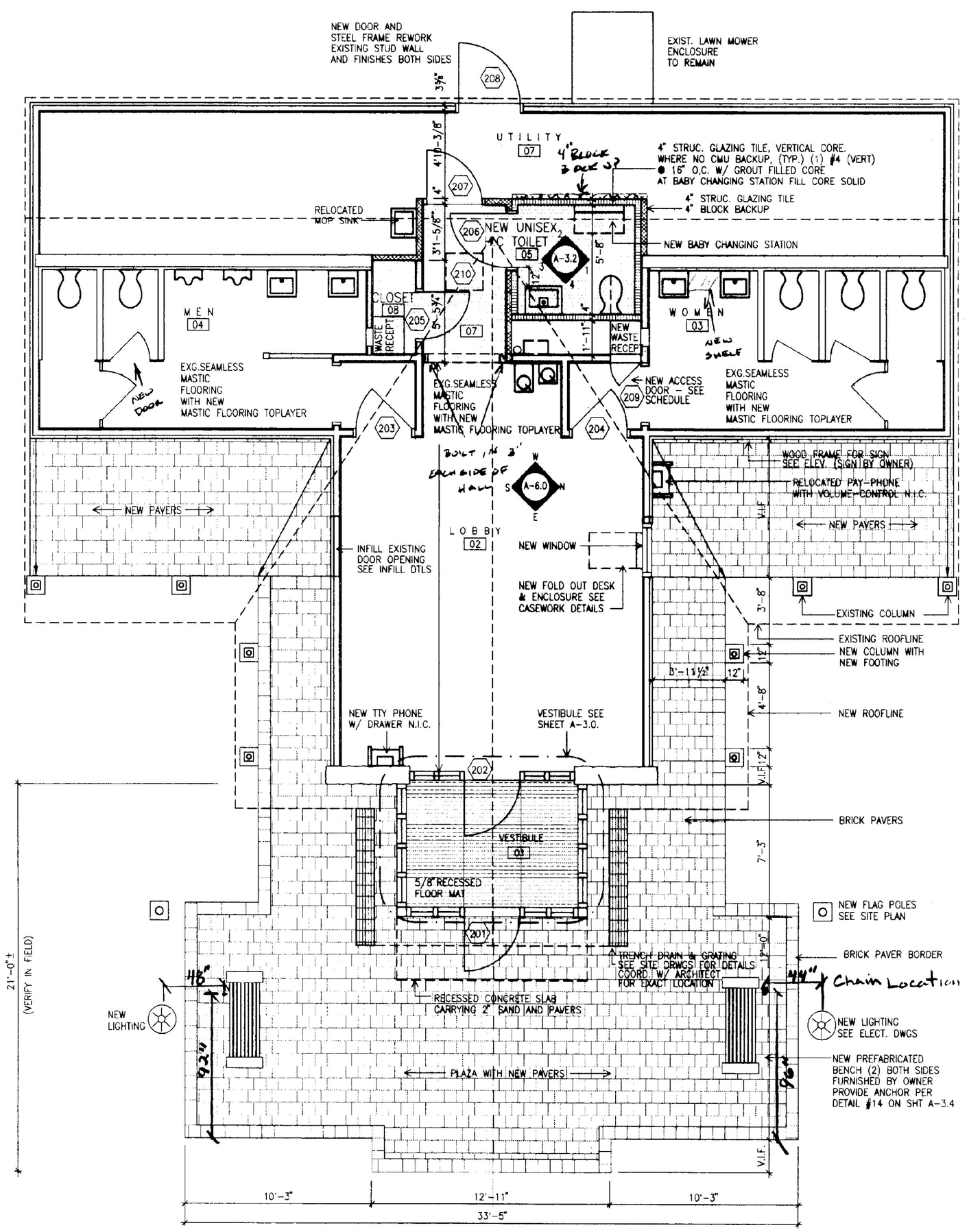


2 EXISTING FLOOR PLAN

SCALE: 1/4" = 1'

NOTES:

- REMOVE ANY EXISTING HANDICAPPED SIGNAGE AT RESTROOMS AND SIGNAGE THAT DOES NOT COMPLY
- SEE MECH / ELEC FOR ADDITIONAL REMOVALS
- SEE ELEVATIONS FOR ADDITIONAL REMOVALS



2 NEW FLOOR PLAN

SCALE: 1/4" = 1'

NOTES:

- INSTALL NEW HANDICAPPED SIGNAGE WHERE REQUIRED
- INSTALL NEW SIGNAGE FOR BABY CHANGING STATION.

LEGEND

- CONCRETE
- CMU
- STRUCTURAL GLAZED TILE
- PRECAST CONCRETE BRICK PAVERS
- ASPHALT
- NEW MASTIC FLOORING
- SIGNAGE
- EXISTING DOOR
- NEW DOOR
- DEMOLITION

REGISTERED ARCHITECT R. JOHN DORE No. 1166 STATE OF VERMONT

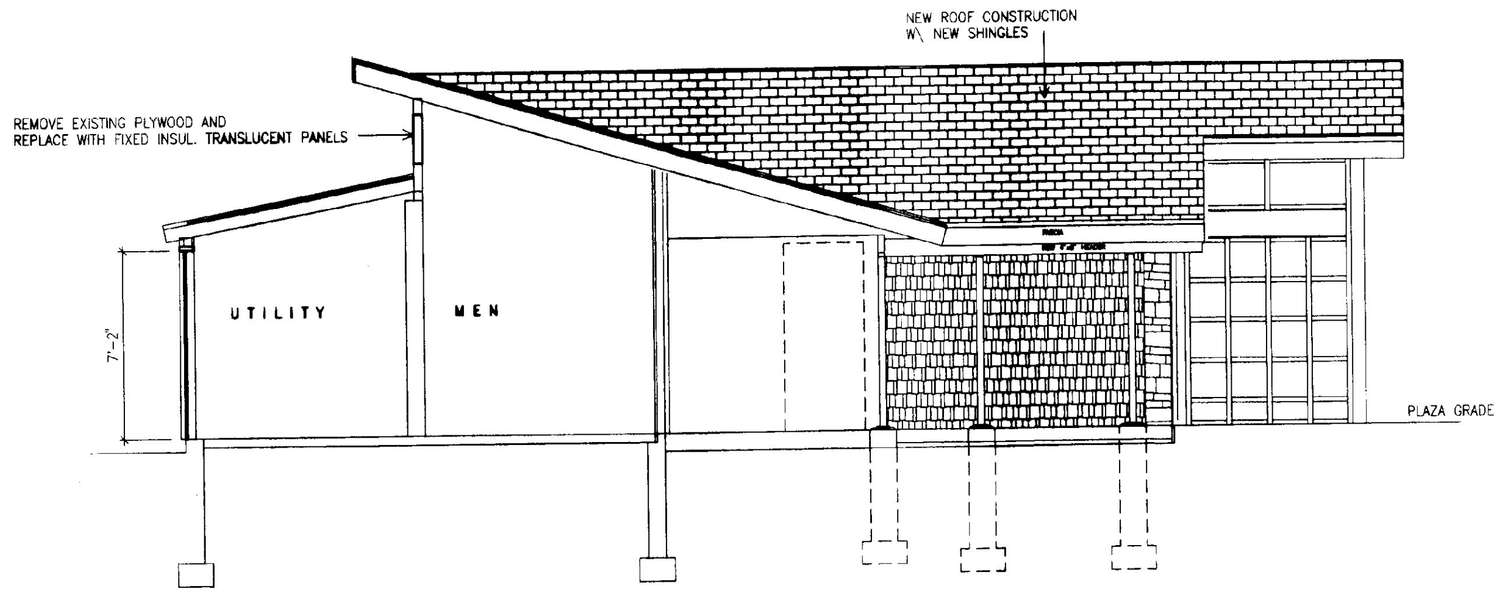
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS SOUTHBOUND

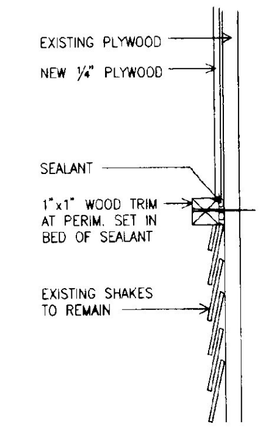
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	1/4"=1'-0"		BUILDING PLAN
DRAWN BY: MBS	PROJECT NO. IM 089-3 (30)		DRAWING NO: A-2.0
CHECKED BY: JBA			

C:\PROJECTS\JOA\GEORG-NS\A20 Mon Aug 24 08:45:43 1998 Plotter By: Michael S. Simonskas

AS BUILTS
DATE: 7/21/99



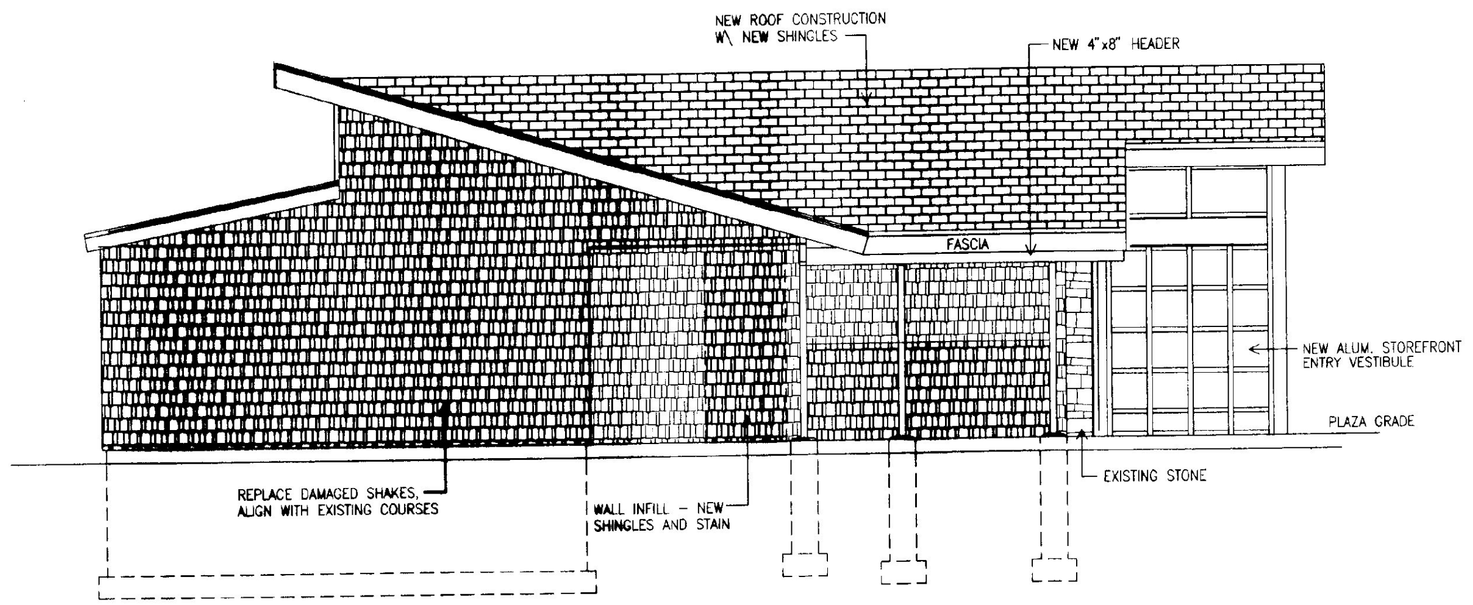
1 SECTION A-A
SCALE: 1/4" =1'



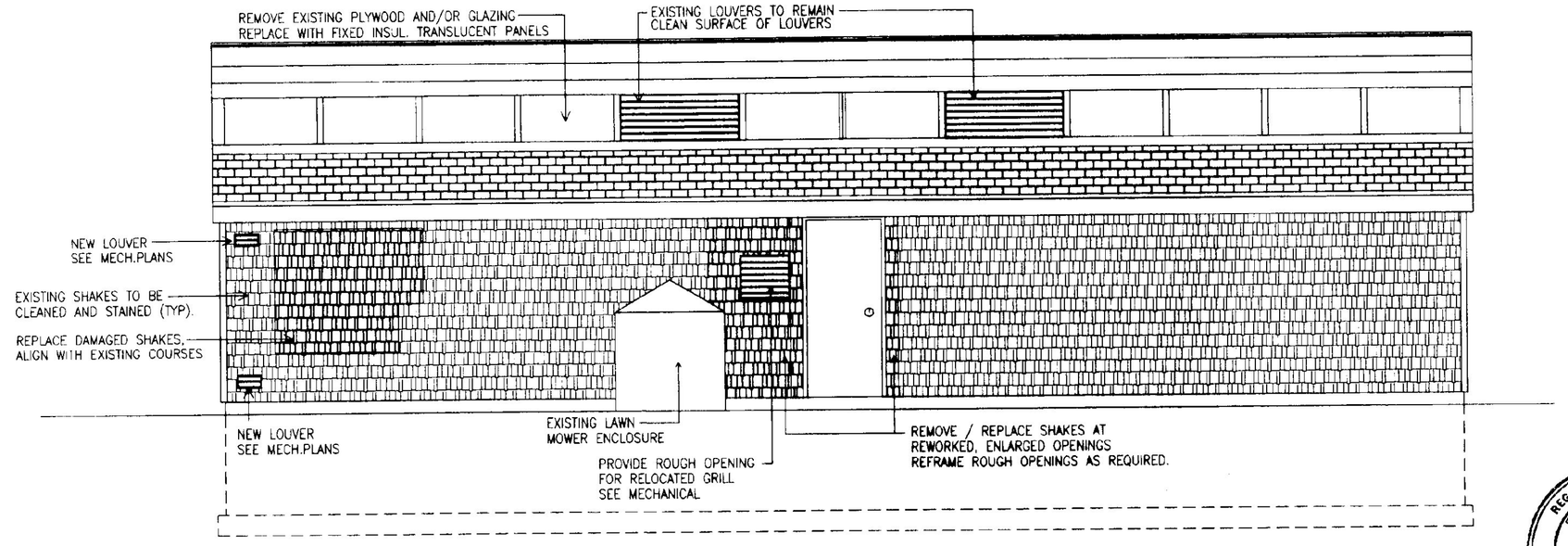
6 PANEL TRIM DETAIL
SCALE: N.T.S.

EXTERIOR GENERAL NOTES:

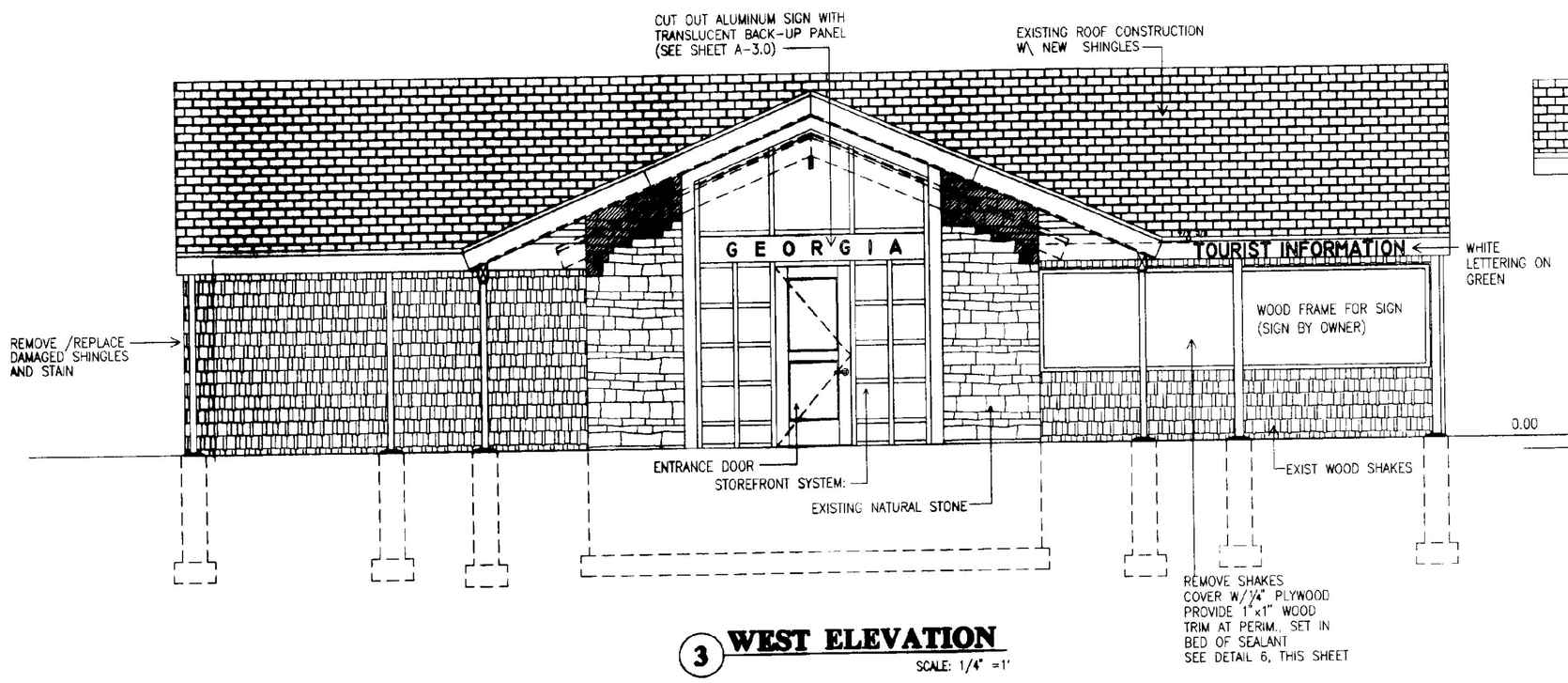
1. AREA OF SHAKES HIGHLIGHTED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY TO DETERMINE THE EXTENT OF SHAKE REPLACEMENT.
2. WHERE SHAKES ARE BEING REPLACED, CONTRACTOR SHALL VERIFY INTEGRITY OF EXISTING BUILDING PAPER AND REPLACE IF NECESSARY.
3. AT ROOF REPLACEMENT,CONTRACTOR SHALL PROVIDE NEW 30LB BUILDING FELT NEW FASCIA, DRIP EDGE WHERE APPLICABLE AND ICE AND WATER SHIELD AT ALL VALLEYS, EAVES AND AS SHOWN ON DRAWINGS. ICE AND WATER SHIELD AT EAVES SHALL EXTEND FROM EAVE EDGE TO 3' BEYOND EXTERIOR WALL.



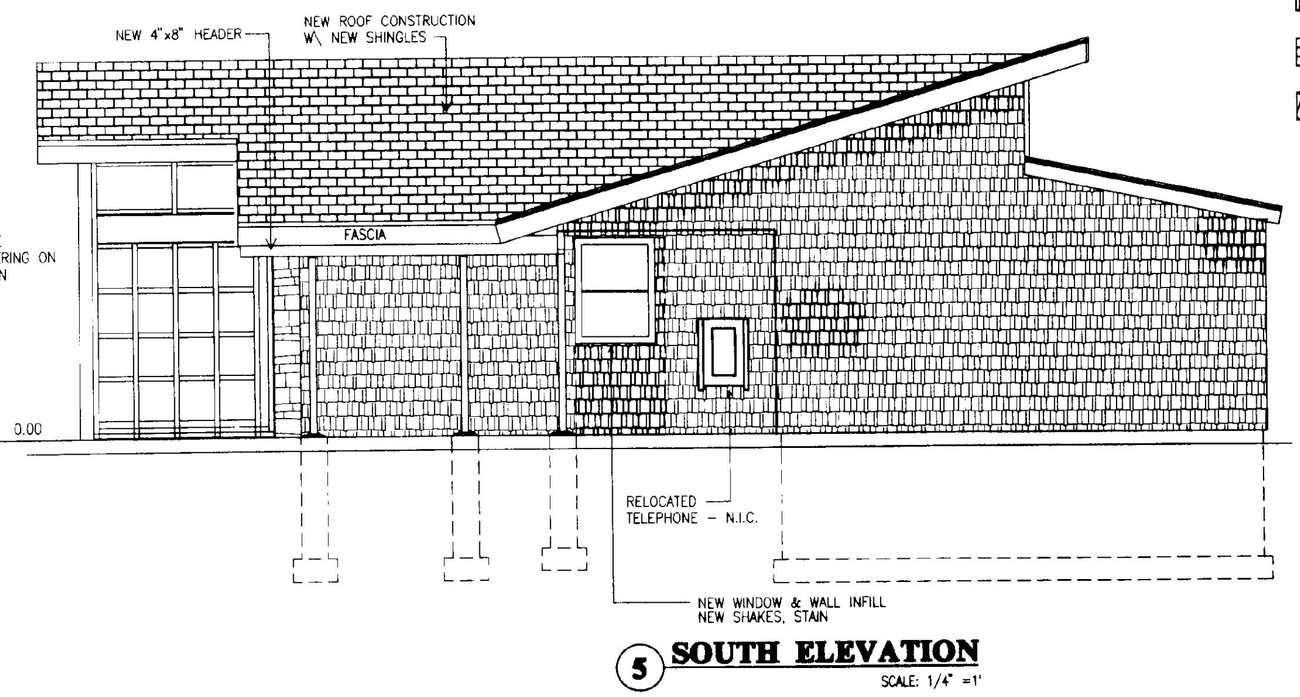
2 NORTH ELEVATION
SCALE: 1/4" =1'



4 EAST ELEVATION
SCALE: 1/4" =1'



3 WEST ELEVATION
SCALE: 1/4" =1'



5 SOUTH ELEVATION
SCALE: 1/4" =1'

REGISTERED ARCHITECT R. JOHN DORE NO. 1159 STATE OF VERMONT

LEGEND

- BLOCK WALL CONSTRUCTION
- NATURAL STONE WALL
- FACADE SHAKES
- ROOF SHINGLES
- BATT INSULATION

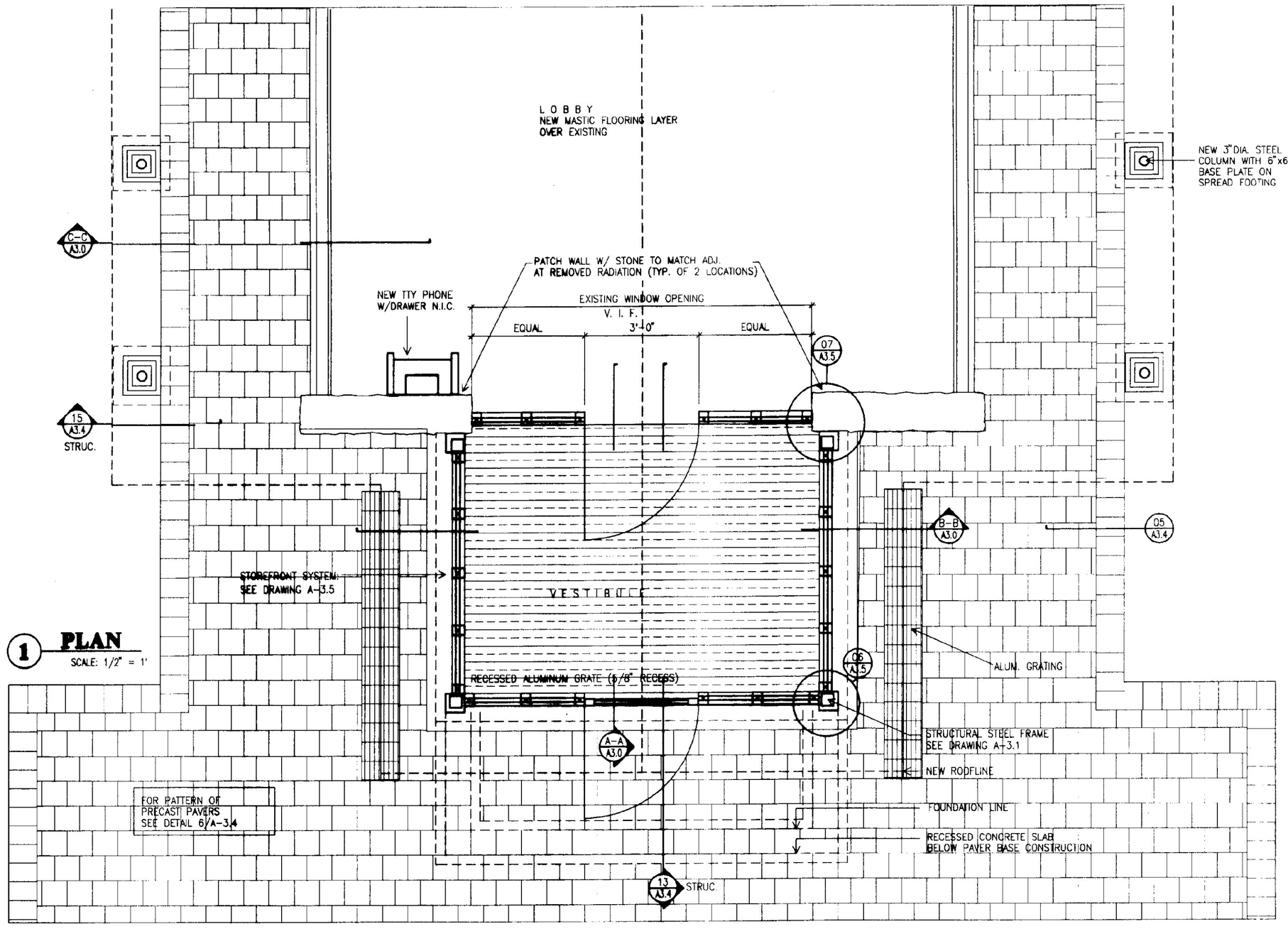
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS SOUTHBOUND

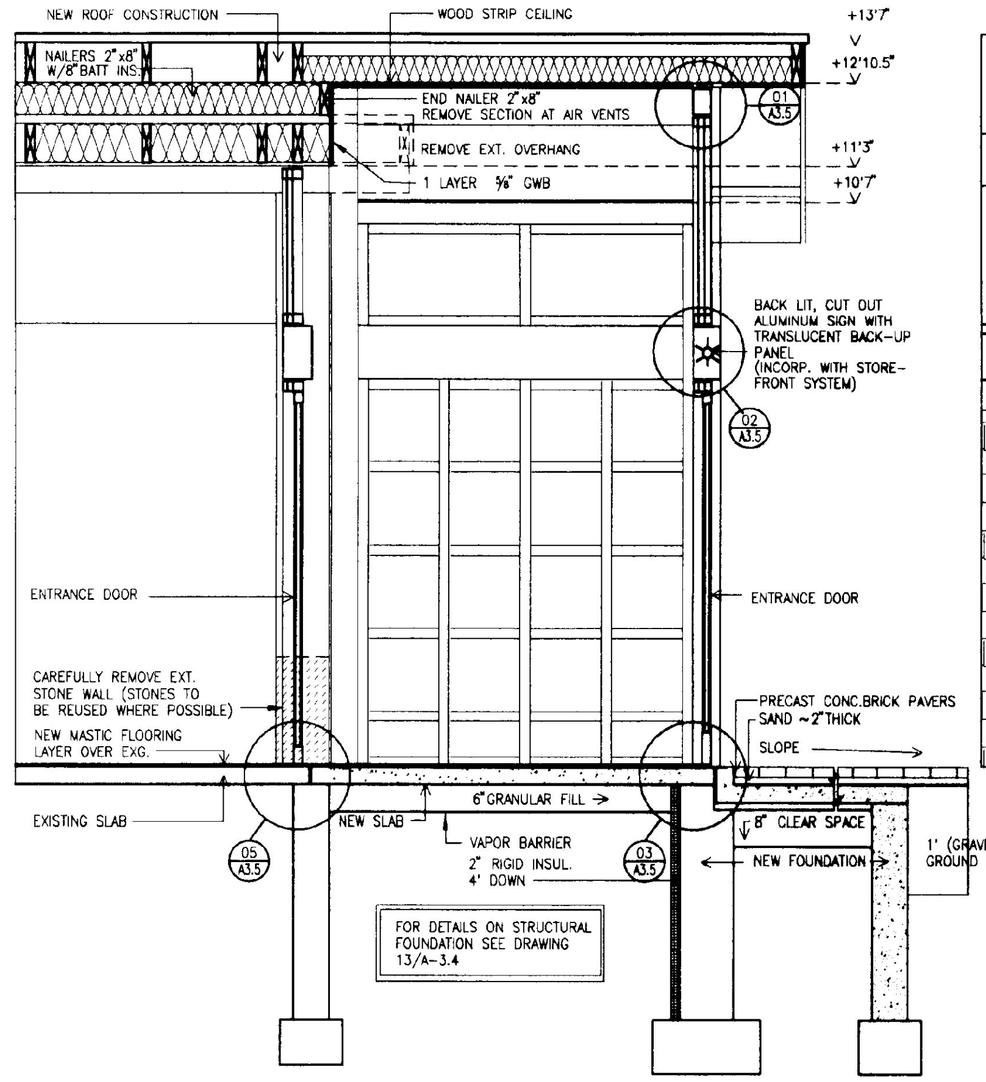
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	1/4"=1'-0"		BUILDING ELEVATION
DRAWN BY: MRB	PROJECT NO. M 089-3 (30)		DRAWING NO: A-2.1
CHECKED BY: JBA			

SHEET ____ OF ____

G:\E-15\ALM\VEGAS-NEW.dgn Mon Aug 17 10:58:38 1998 Plotted by: Michael S. Sullivan

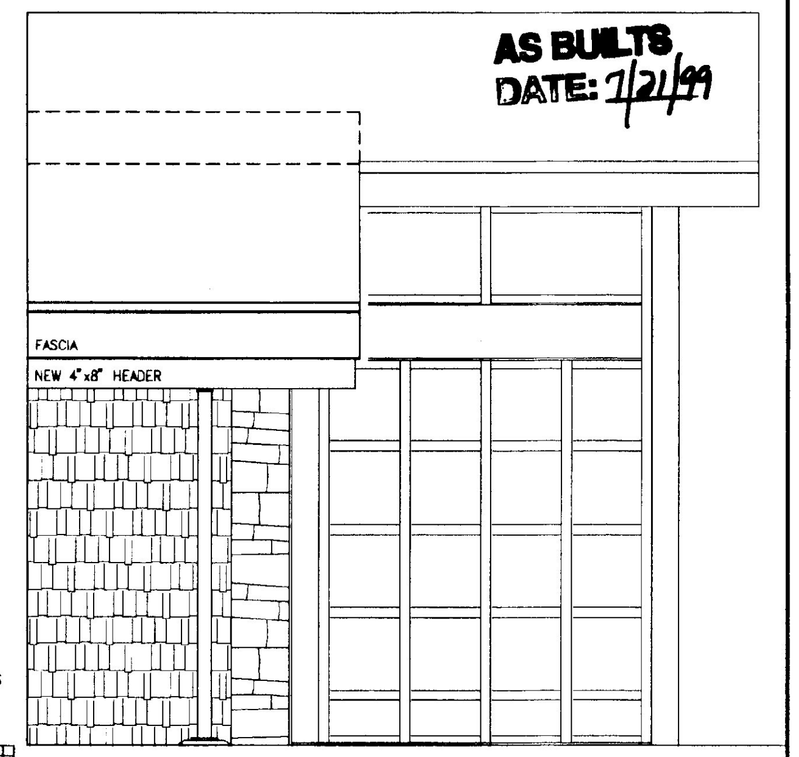


1 PLAN
SCALE: 1/2" = 1'

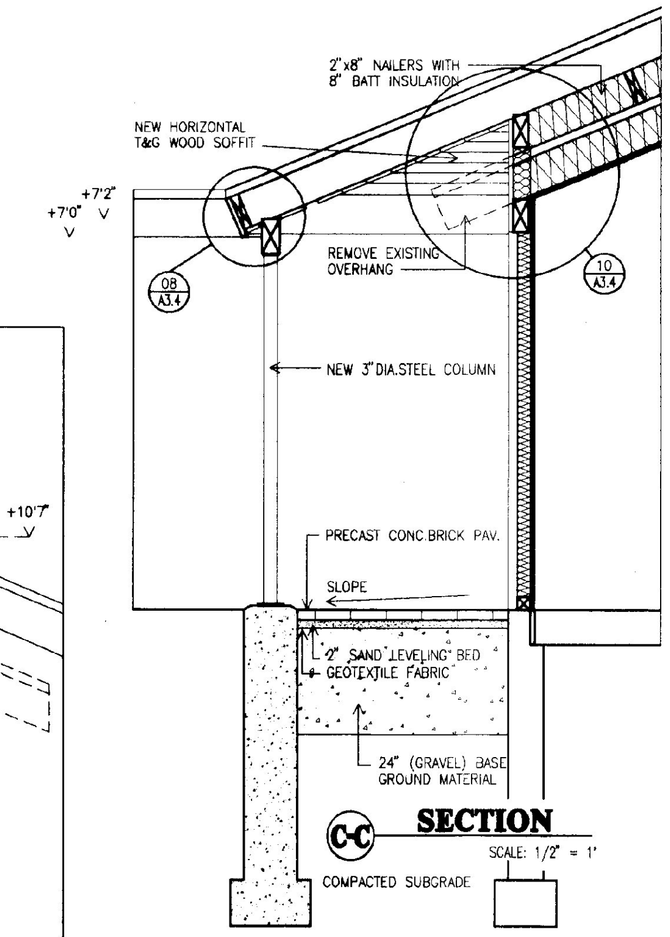


A-A SECTION
SCALE: 1/2" = 1'

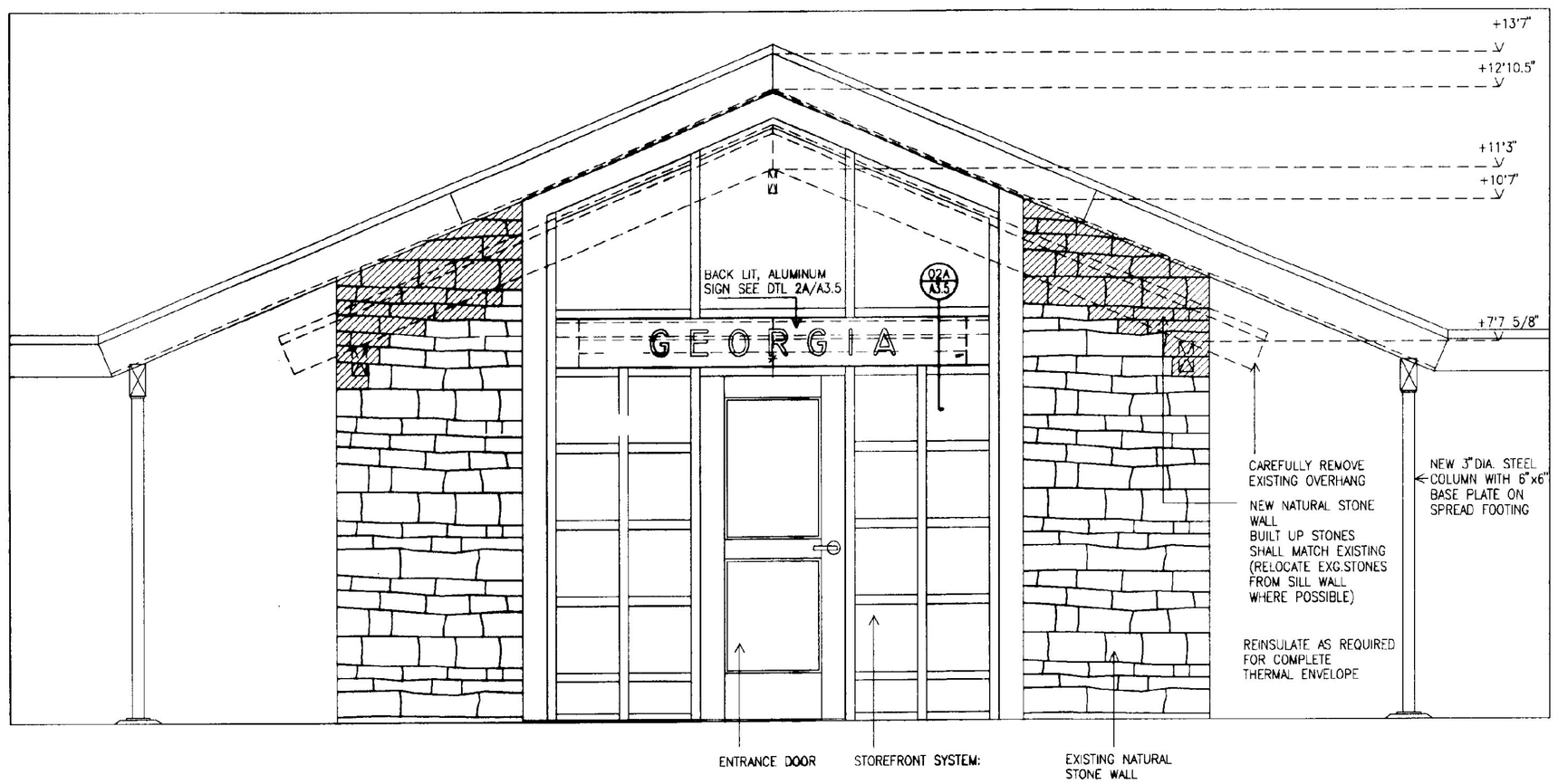
AS BUILTS, DATE: 7/21/99



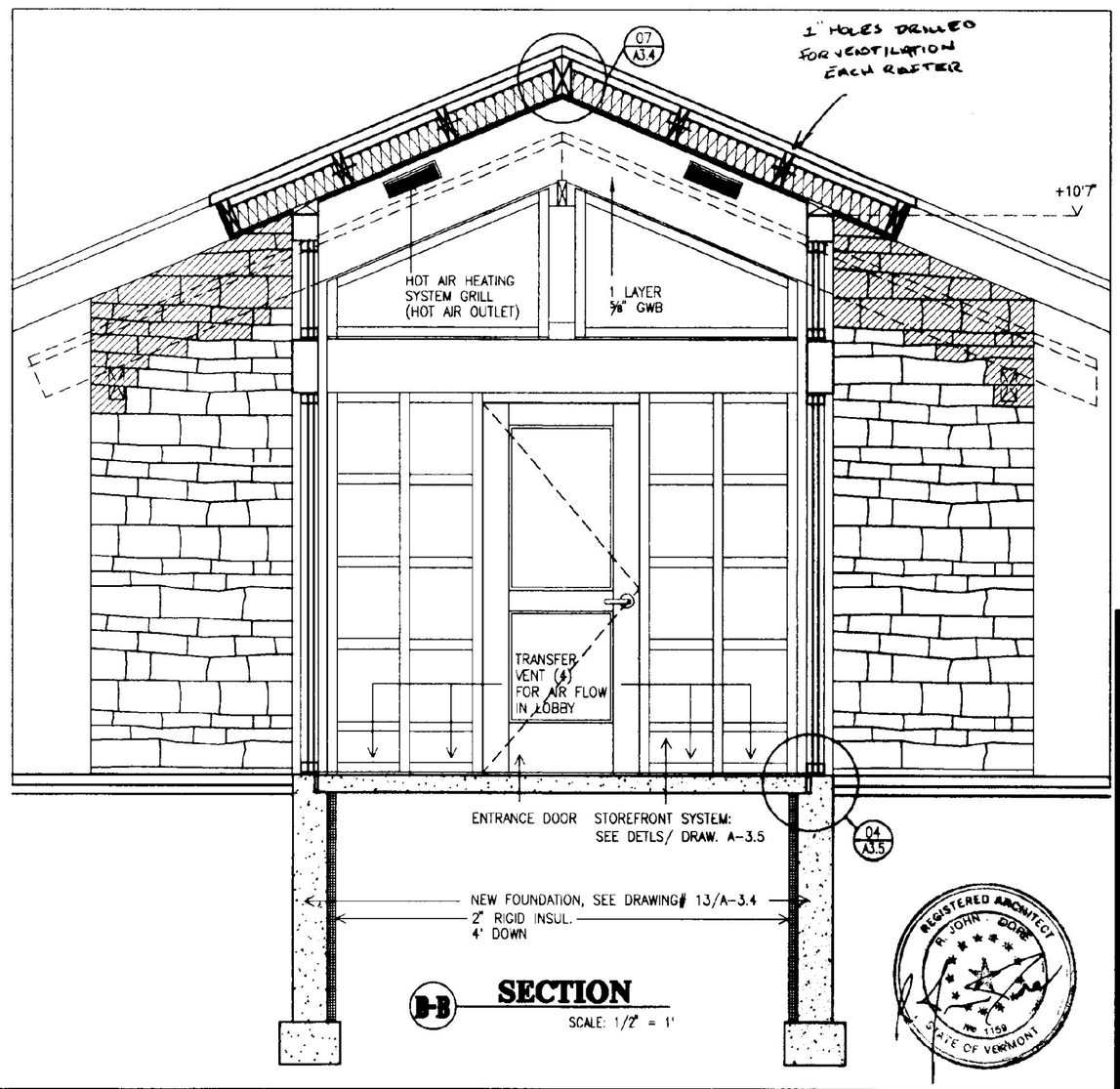
3 SIDE ELEVATION
SCALE: 1/2" = 1'



C-C SECTION
SCALE: 1/2" = 1'



2 FRONT ELEVATION
SCALE: 1/2" = 1'



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

REGISTERED ARCHITECT
M. JOHN GOSS
No. 1199
STATE OF VERMONT

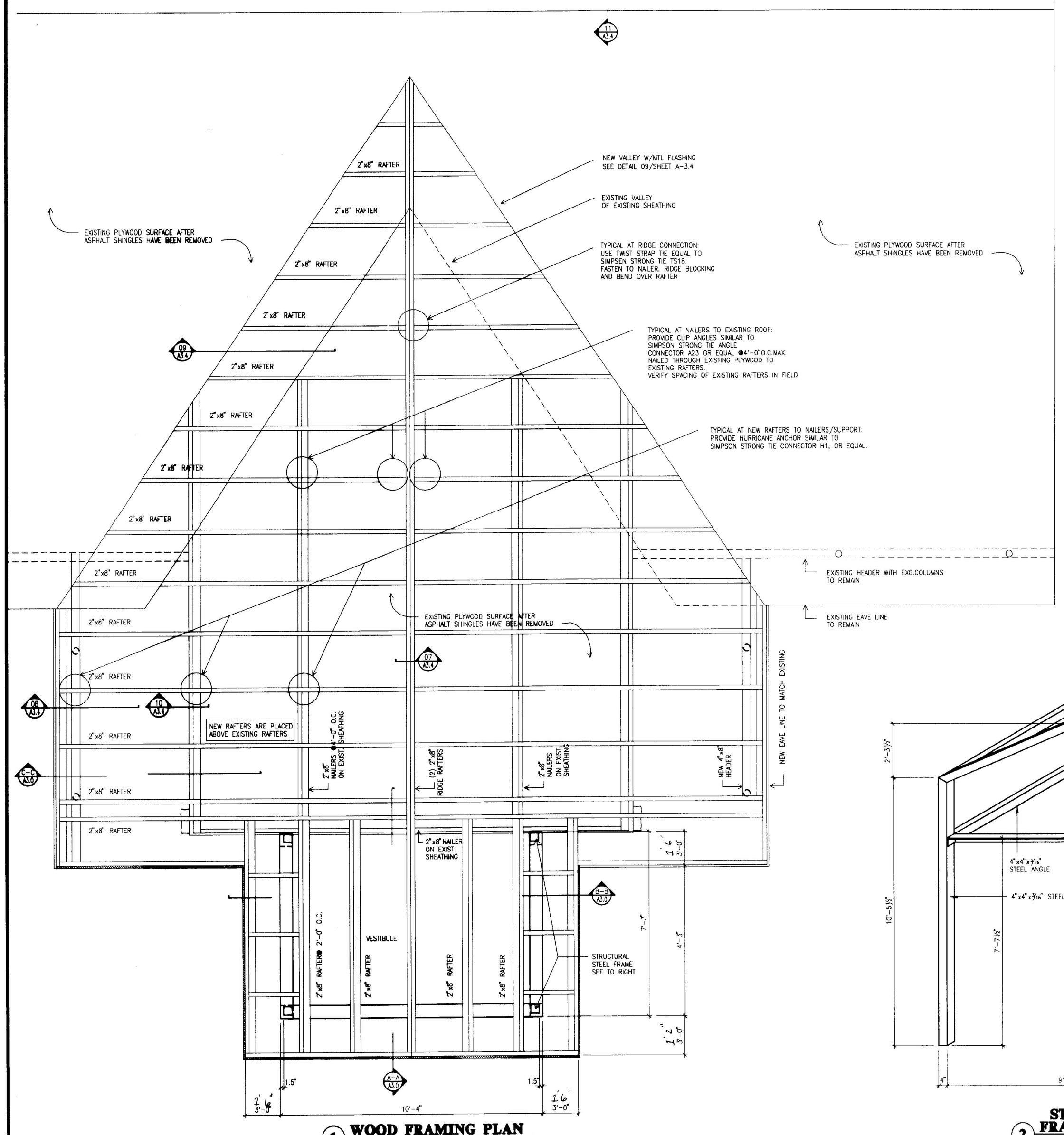
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

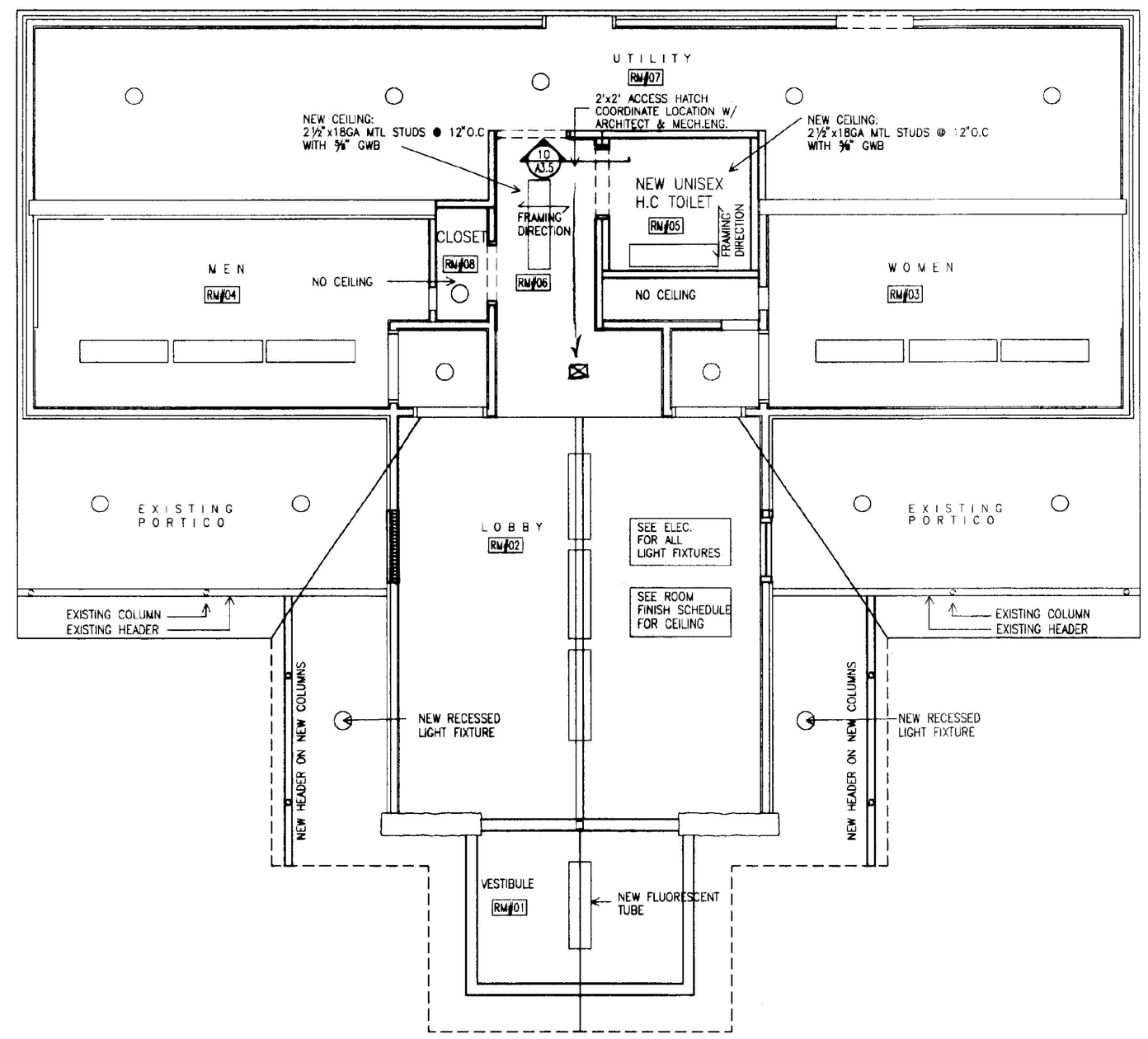
DATE: AUGUST 21, 1998	SCALE: 1/2"-1'-0"	REVISIONS:	DRAWING NAME: BUILDING VESTIBULE
DRAWN BY: MBB	PROJECT NO. IM 089-3 (30)		DRAWING NO: A-3.0
CHECKED BY: JBA			

PROJECTS\IDA\GEORG-A 30 Fri Jul 24 14:00:19 1998 Plotted By: Michael S. Shanahan

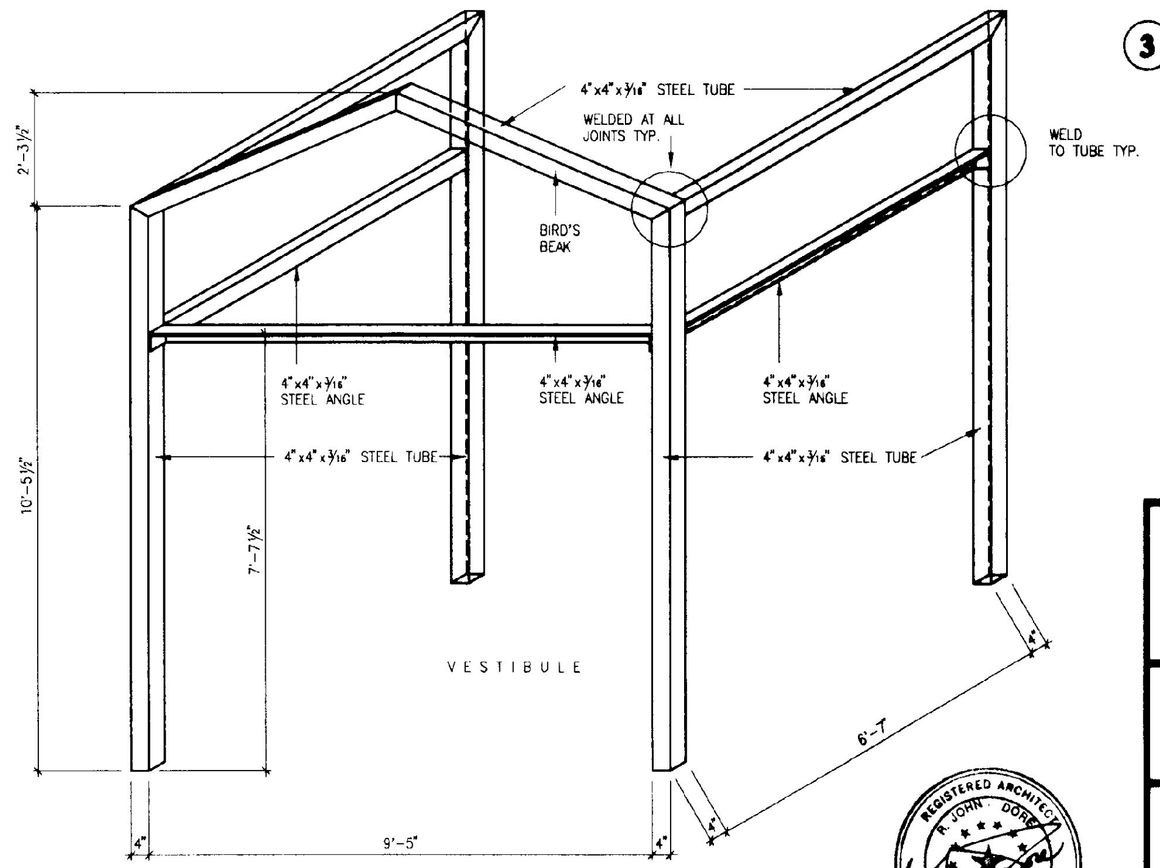
AS BUILTS
DATE: 7/24/99



1 WOOD FRAMING PLAN
SCALE: 1/2" = 1'



3 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'



2 STRUCTURAL STEEL FRAME AXONOMETRIC
SCALE: 1/4" = 1'

REGISTERED ARCHITECT
JOHN DORE
No. 1158
STATE OF VERMONT

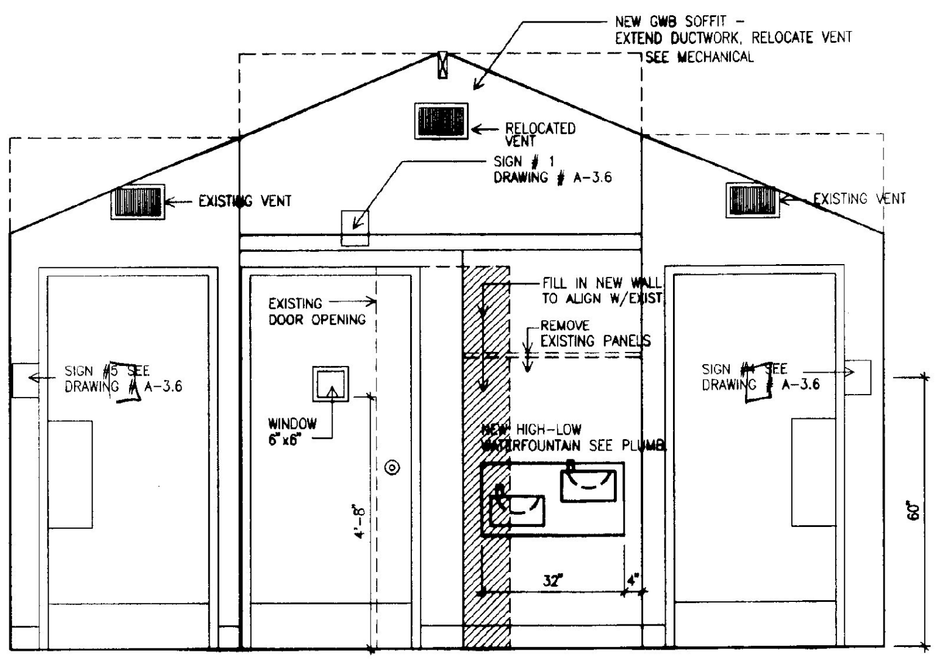
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998			WOOD FRAME REFLECT. CLG PLAN
DRAWN BY: MBB	PROJECT NO. IM 089-3 (30)		DRAWING NO: A-3.1
CHECKED BY: JBA			

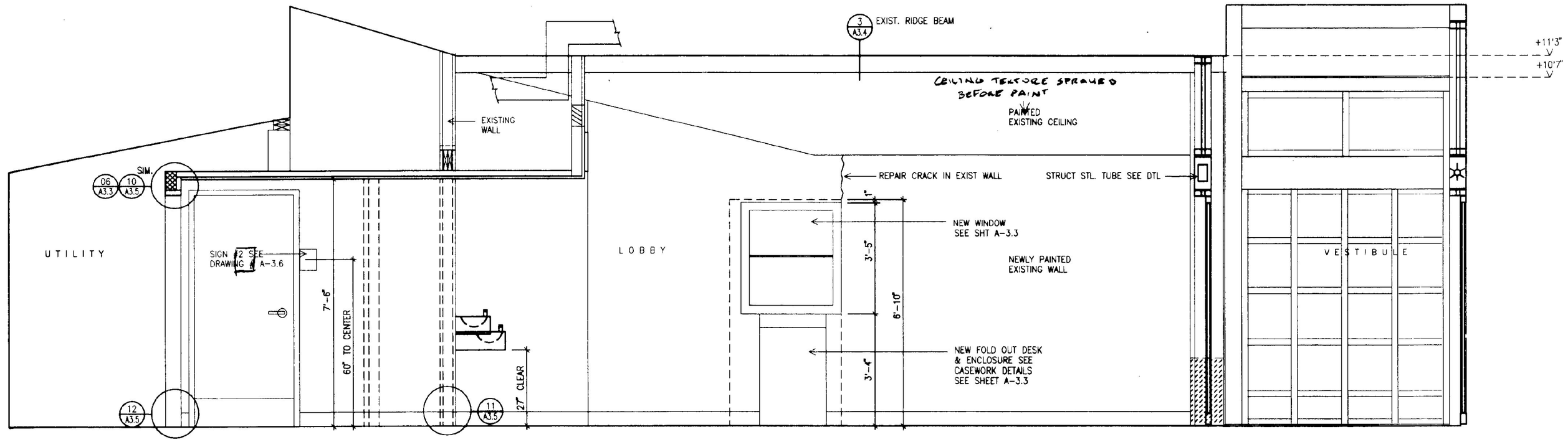
PLOTTED FOR BIDDING ON: Fri, Jul 24, 98 at 8:47 AM FROM: Drawings by Members of Superblock

AS BUILTS
DATE: 7/21/99



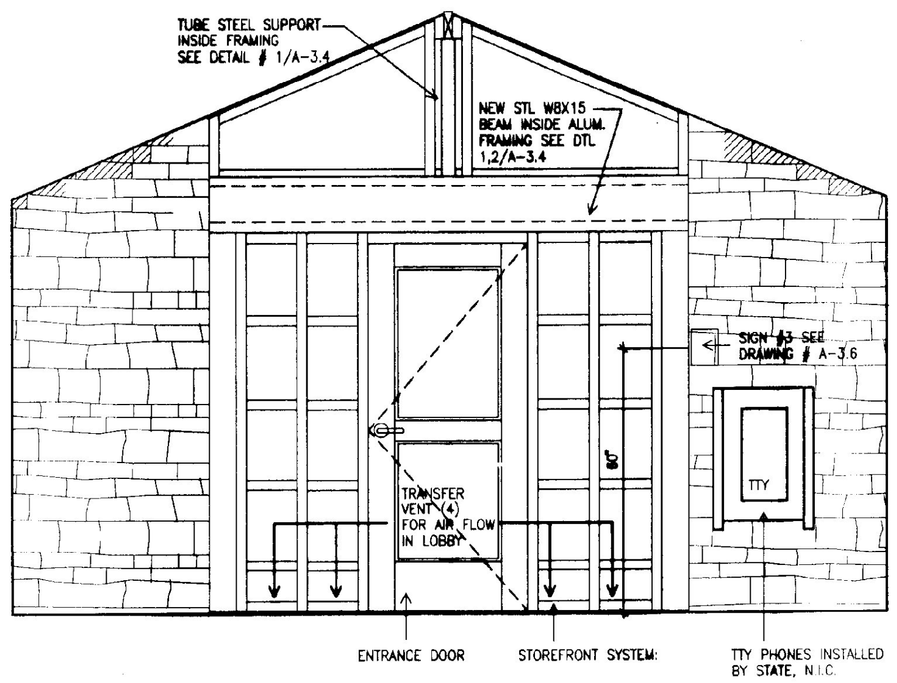
1 WEST ELEVATION

SCALE: 1/2" = 1'



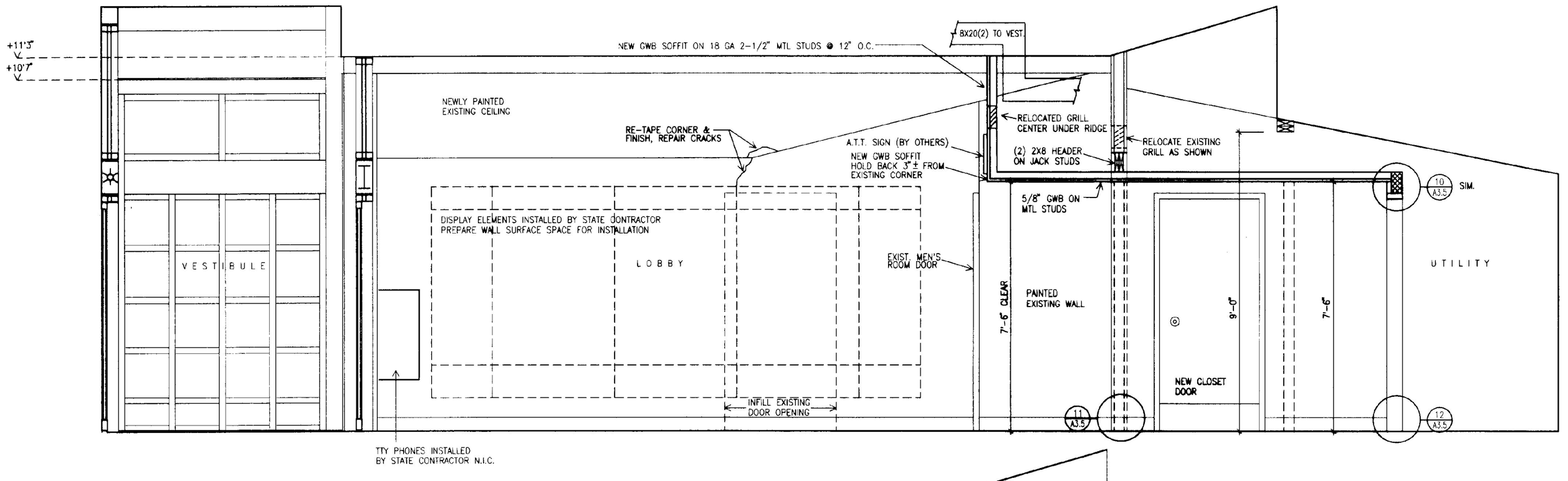
2 NORTH ELEVATION

SCALE: 1/2" = 1'



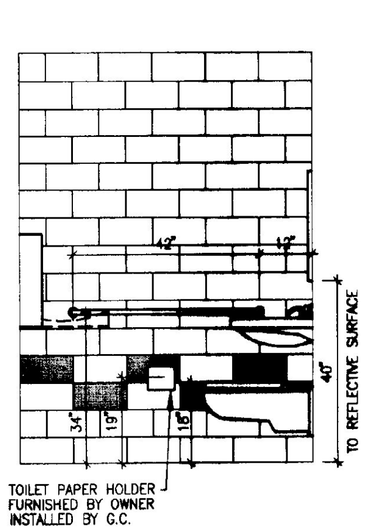
3 EAST ELEVATION

SCALE: 1/2" = 1'



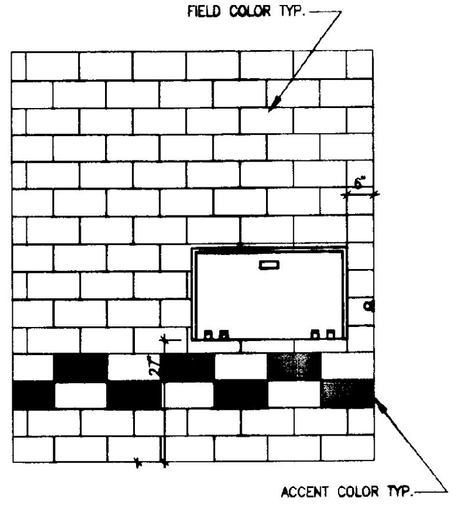
4 SOUTH ELEVATION

SCALE: 1/2" = 1'



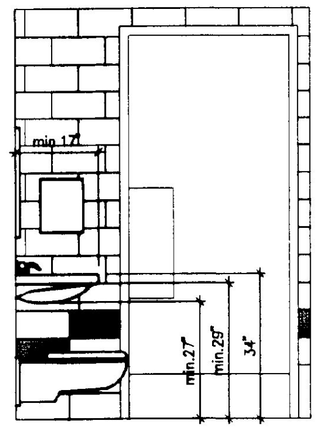
5 INTERIOR ELEVATION

SCALE: 1/2" = 1'



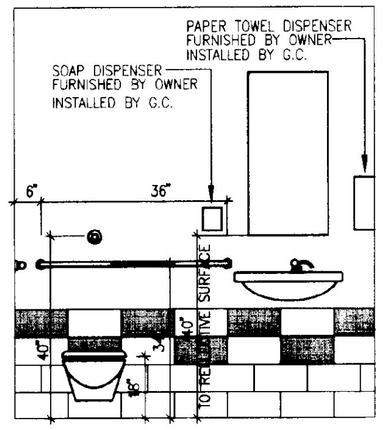
6 INTERIOR ELEVATION

SCALE: 1/2" = 1'



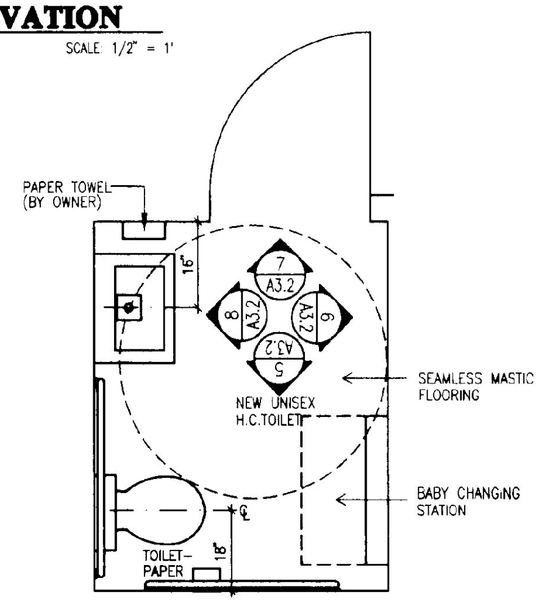
7 INTERIOR ELEVATION

SCALE: 1/2" = 1'



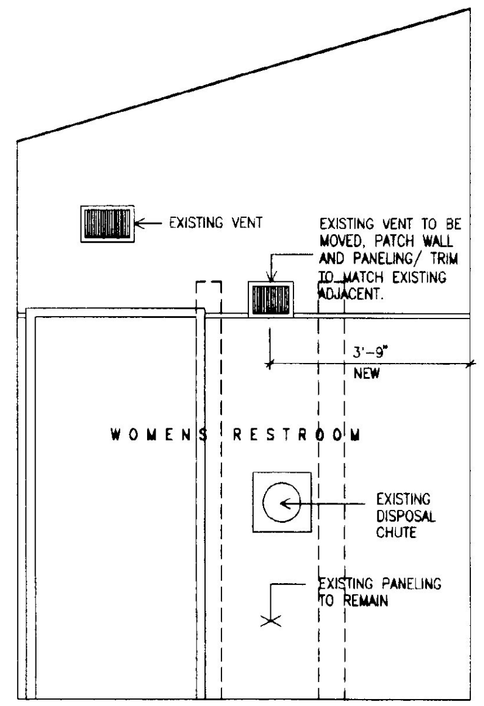
8 INTERIOR ELEVATION

SCALE: 1/2" = 1'



9 PLAN

SCALE: 1/2" = 1'



10 INTERIOR ELEVATION WOMENS RESTROOM

SCALE: 1/2" = 1'

REGISTERED ARCHITECT R. JOHN DORE NO. 1158 STATE OF VERMONT

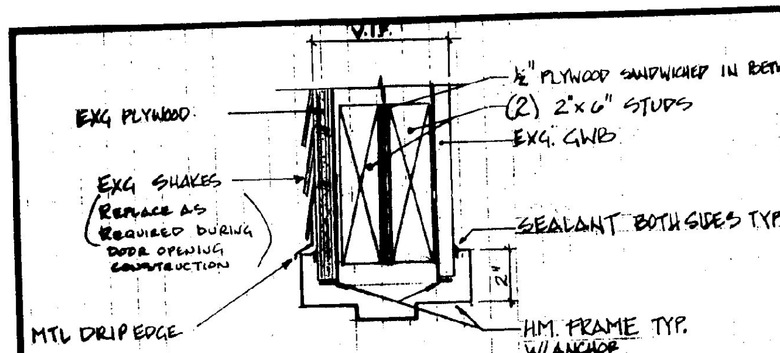
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

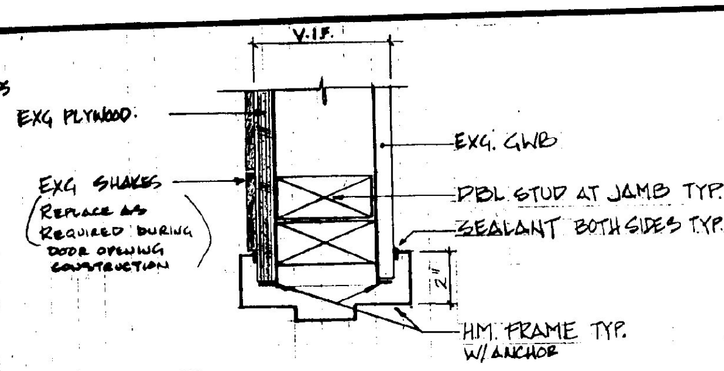
DATE: AUGUST 21, 1998	SCALE: 1/2"=1'-0"	REVISIONS:	DRAWING NAME: INTERIOR ELEVATIONS
DRAWN BY: MSS	PROJECT NO. IM 089-3 (30)		DRAWING NO: A-3.2
CHECKED BY: JBA			

Poor Quality

AS BUILTS
DATE: 7/21/99



11 / 3.3 HEAD
DOOR #208 3"=1'-0"

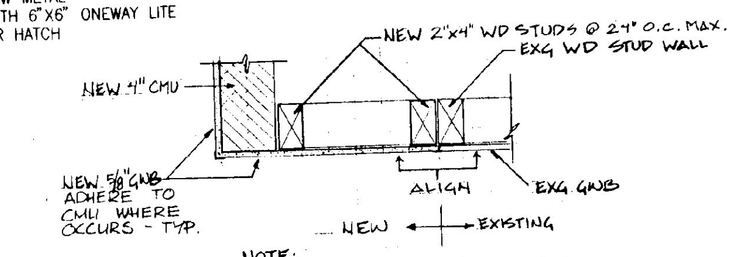


10 / 3.3 JAMB
DOOR #208 3"=1'-0"

DOOR SCHEDULE

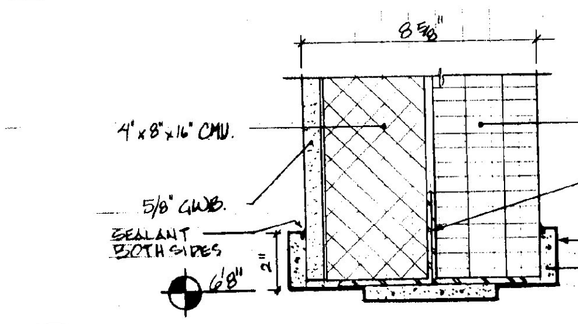
DOOR #	DOOR TYP	DOOR MAT	DOOR W	DOOR H	FRAME MAT.	FRAME HEAD	FRAME JAMB	LINTEL	THR.	LABEL	HDWR GROUP	REMARKS
101	EXISTING TO BE REMOVED											(EXG. ENTRY DOOR)
102	EXISTING TO BE REMOVED											(EXG. ENTRY DOOR)
103	EXISTING TO BE REMOVED											
104	EXISTING TO BE REMOVED											
201	A	AL	3'-0"	6'-8"	AL	02/3.5	*	--	03/3.5	--	*	* SEE SECTION 08400
202	A	AL	3'-0"	6'-8"	AL	*	*	--	05/3.5	--	*	* SEE SECTION 08400
203	EXISTING TO REMAIN											
204	EXISTING TO REMAIN											
205	B	HM	2'-6"	6'-8"	HM	04/3.3	04/3.3	--	--	--	2	
206	B	HM	3'-0"	6'-8"	HM	08/3.3	07/3.3	YES	--	--	1	
207	C	HM	3'-0"	6'-8"	HM	06/3.3	05/3.3	YES	12/3.5	C	2	PROVIDE 6"X6" ONE WAY LITE CENTERED @ 5'-0" A.F.F.
208	B	HM	3'-6"	6'-8"	HM	11/3.3	10/3.3	--	*	--	EX 01	* USE SAME THRESHOLD AS ENTRY DOORS
209	D	HM	2'-0"	4'-0"	HM	--	--	--	--	--	--	MFR. PROVIDES FRAME AND HDWR.
210	D	HM	2'-0"	2'-0"	HM	--	--	--	--	--	--	MFR. PROVIDES FRAME AND HDWR. (RM # 08 CLG.) COORDINATE LOCATION WITH MECHANICAL, ELECTRICAL AND STRUCTURAL COMPONENTS

DOOR TYPES:
TYPE A: SEE ELEVATIONS
TYPE B: FLUSH HOLLOW METAL
TYPE C: FLUSH HM WITH 6"X6" ONEWAY LITE
TYPE D: ACCESS DOOR HATCH

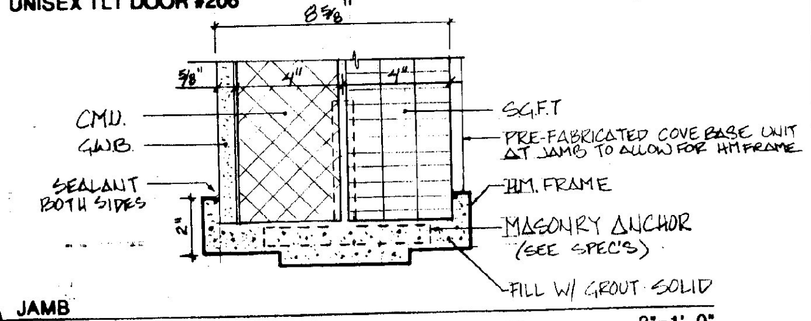


NOTE:
WHERE EXG. DOOR & FRAME IS REMOVED, INFILL W/ NEW WD STUD WALL SYSTEM AND ALIGN W/ CMU WALL.

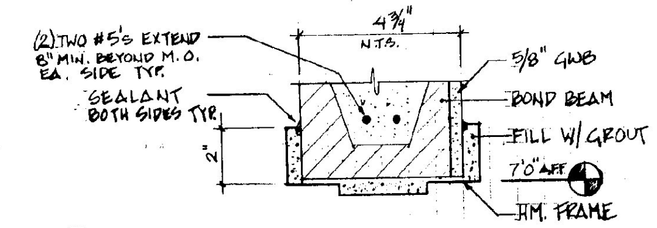
09 / 3.3 HORIZ. SECTION - EXG/NEW CONNECTION AT HALL OPENING
1 1/2"=1'-0"



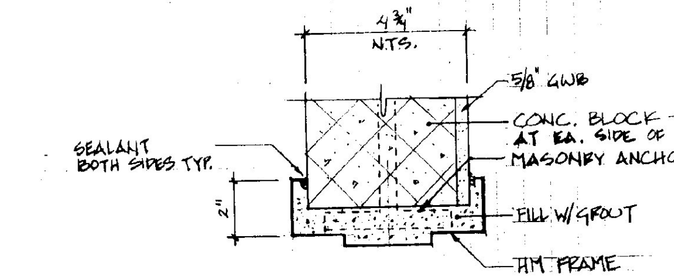
08 / 3.3 HEAD
UNISEX TLT DOOR #206 3"=1'-0"



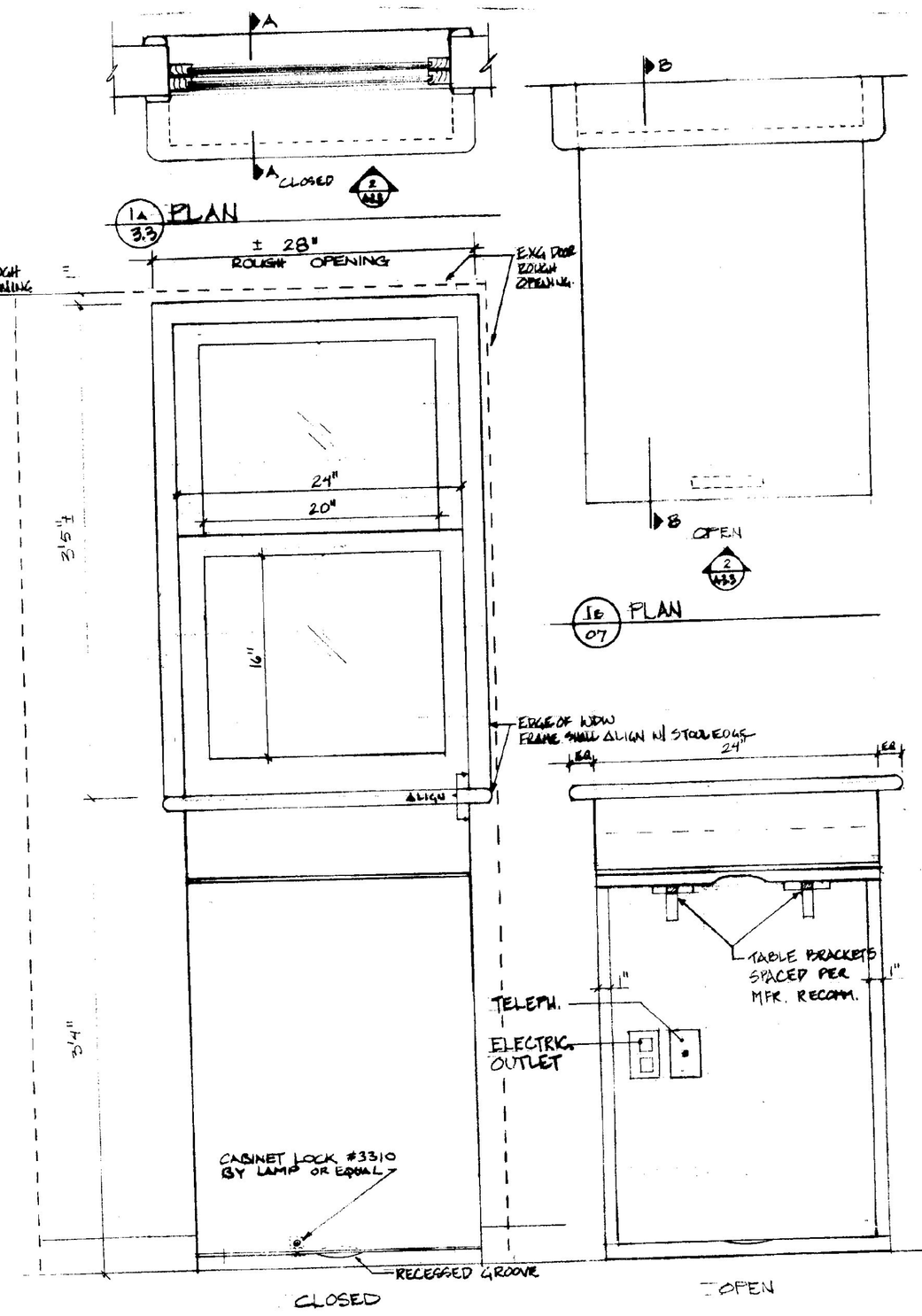
07 / 3.3 JAMB
UNISEX TLT DOOR #206 3"=1'-0"



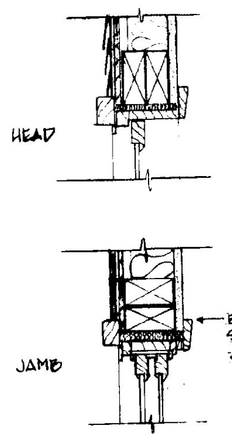
06 / 3.3 HEAD
UTILITY DOOR #207 3"=1'-0"



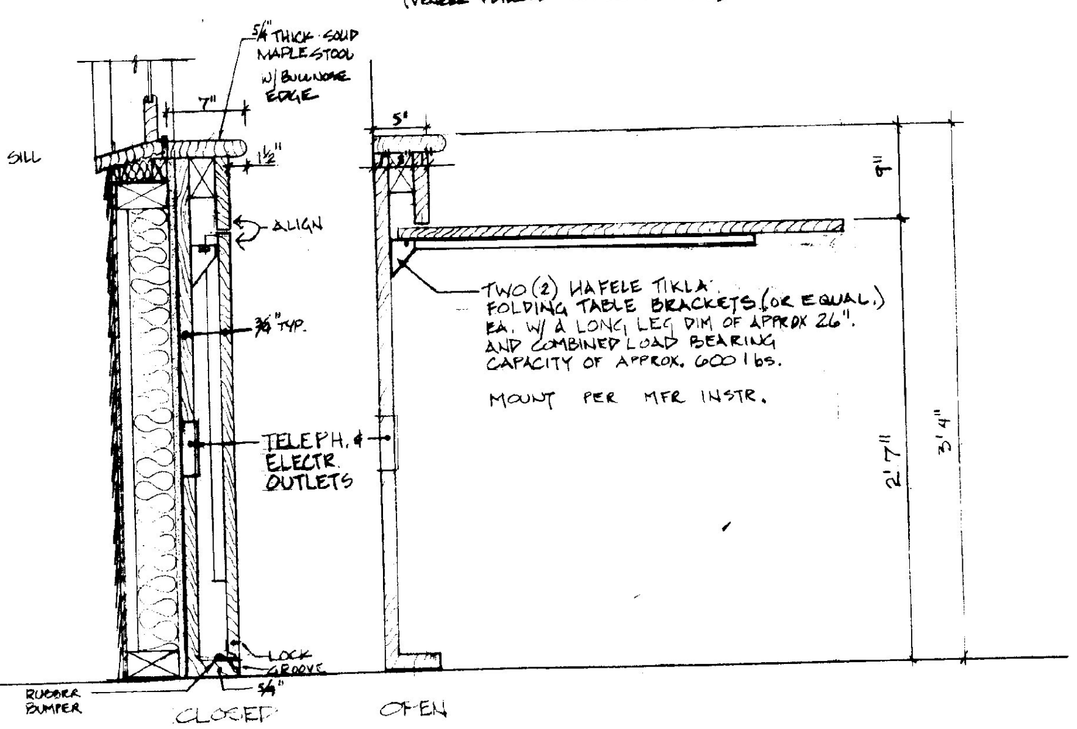
05 / 3.3 JAMB
UTILITY DOOR #207 3"=1'-0"



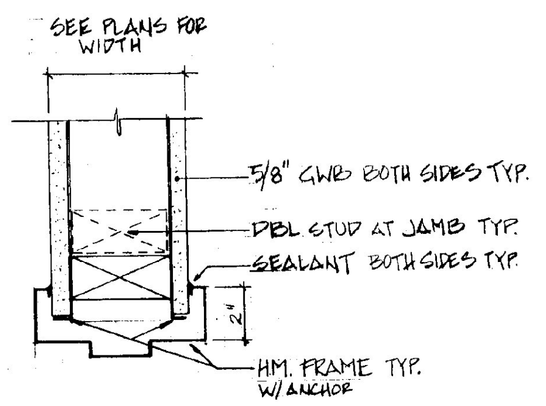
2 / 3.3 FRONT ELEVATION
SCALE 1½"=1'-0"



3a / 3.3 SECTION A-A
N.T.S.



3b / 3.3 SECTION B-B
N.T.S.



04 / 3.3 HEAD / JAMB
CLOSET DOOR #205 3"=1'-0"

NOTES:
1. AT ALL WOOD FASTENING LOCATIONS - COUNTERSINK SCREWS & PLUG.
2. ROUGH OPENING OF NEW WDW SHALL FIT INTO EXG ROUGH OPENING FROM REMOVED EXG DOOR AT TOP AND THE SIDE CLOSEST TO ENTRY DOOR. (SEE 2/07)
3. IN MANUFACTURING THIS DESK, KEEP IN MIND THAT IT SHOULD BE AS MOISTURE RESISTANT AS POSSIBLE.
4. WINDOWS SHALL BE DOUBLE HUNG (WOOD) WITH A GLASS SIZE OF 20"X16" MARVIN, EAGLE, POZZI, KOLBE & KOLBE
5. ALL CONSTRUCTION TO BE SOLID MAPLE W/ CLEAR FIN. (VENEER PLYWOOD NOT ACCEPTABLE)

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

REGISTERED ARCHITECT JOHN DORE No. 1159 STATE OF VERMONT

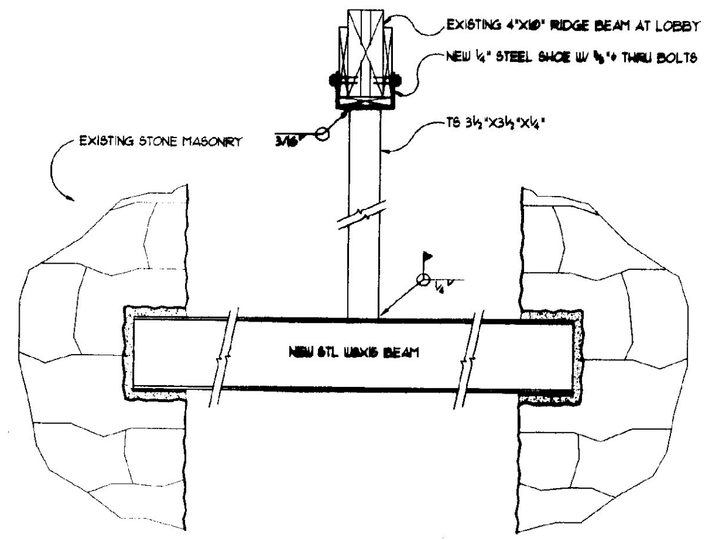
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	AS NOTED		FOLDING TABLE / DOOR AND WINDOW SCHED.
DRAWN BY: MBB	PROJECT NO. IM 089-3 (30)		DRAWING NO: A-3.3
CHECKED BY: JBA			

SHEET ____ OF ____

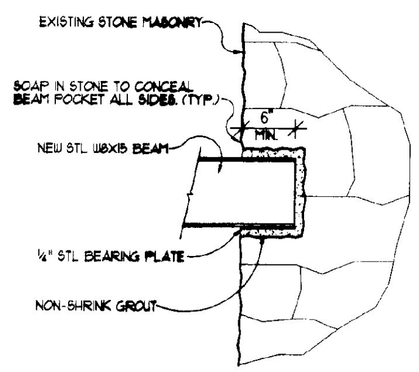
FOLDING TABLE & WINDOW

C:\STS\MJA\GEORG-NS\A33 Thu Jul 23 10:24:51 1998 Plotter By: Michael S. Siemenskas

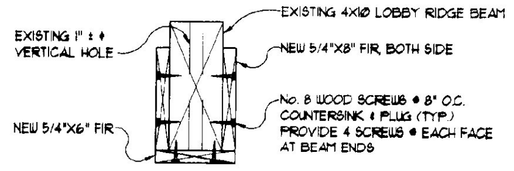
AS BUILTS
DATE: 7/21/99



1 RIDGE BEAM SUPPORT
SCALE: 1" = 1'-0"



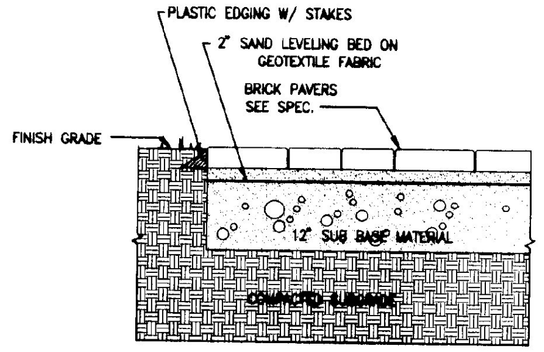
2 BEAM POCKET DETAIL
SCALE: 1" = 1'-0"



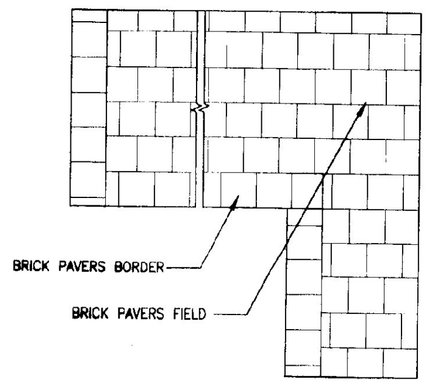
3 RIDGE BEAM REINFORCEMENT
SCALE: 1-1/2" = 1'-0"

THIS DETAIL NOT USED

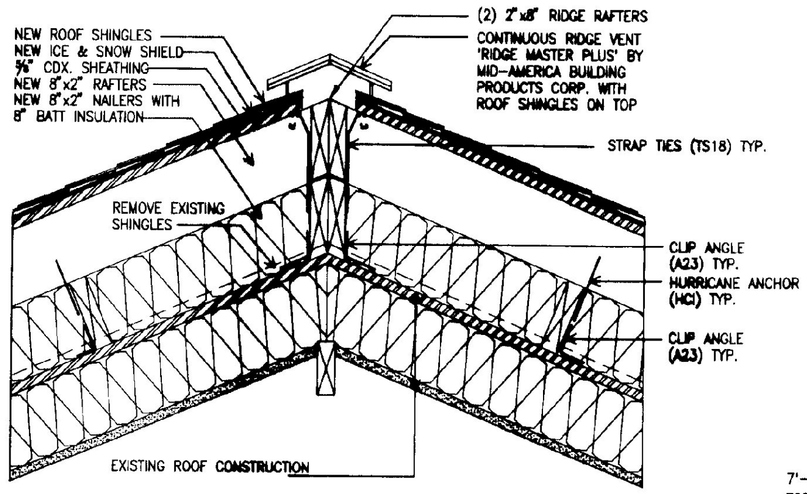
4 SITE ASPHALT PAVEMENT
SCALE: 1" = 1'-0"



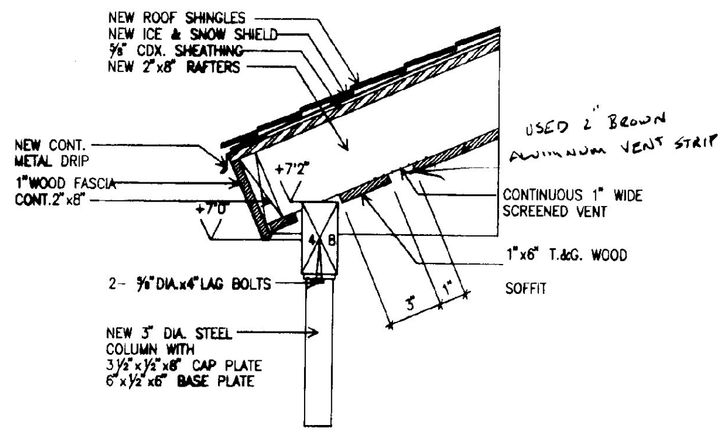
5 SITE - PRECAST PAVERS
SCALE: 1" = 1'-0"



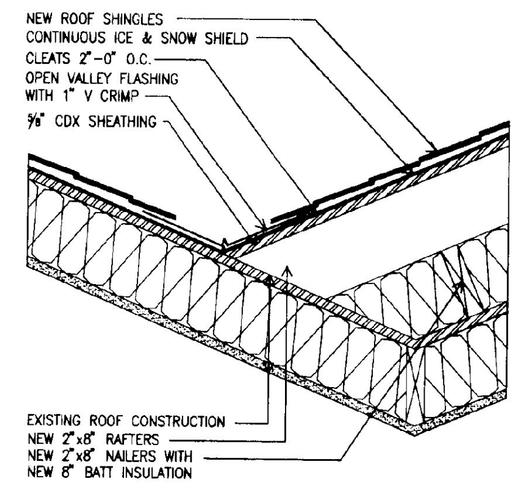
6 SITE - PRECAST PAVERS PATTERN
SCALE: 1" = 1'-0"



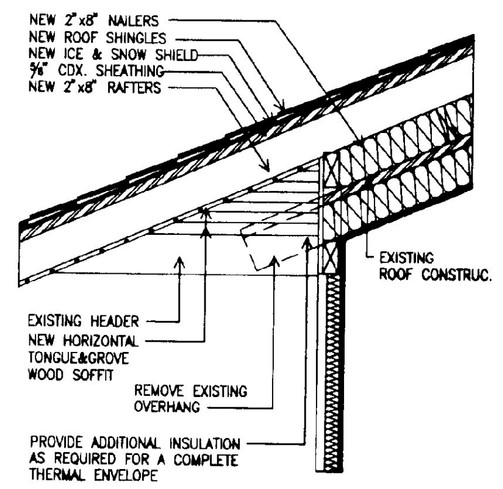
7 ROOF - SECTION TYPICAL ROOF RIDGE
SCALE: 1" = 1'-0"



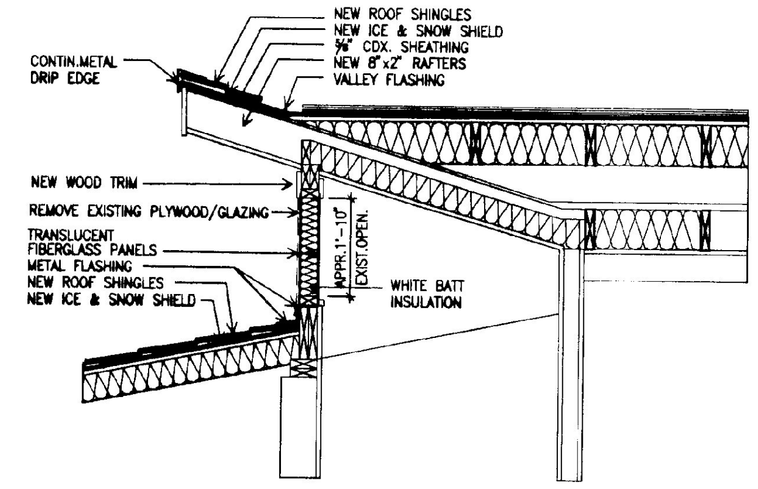
8 ROOF - SECTION TYPICAL ROOF EAVE
SCALE: 1" = 1'-0"



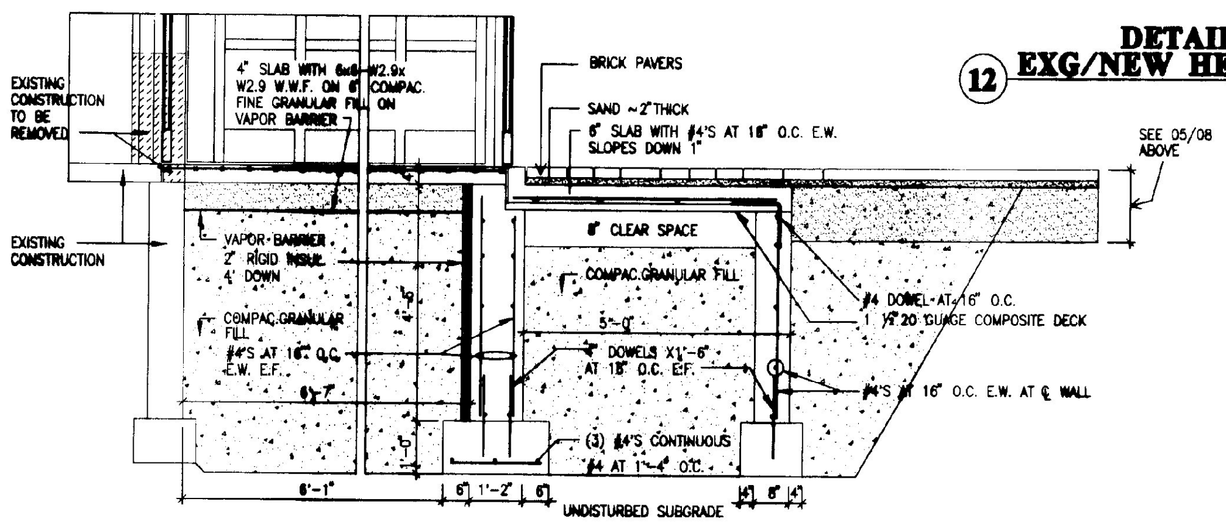
9 ROOF SECTION TYPICAL ROOF VALLEY
SCALE: 1" = 1'-0"



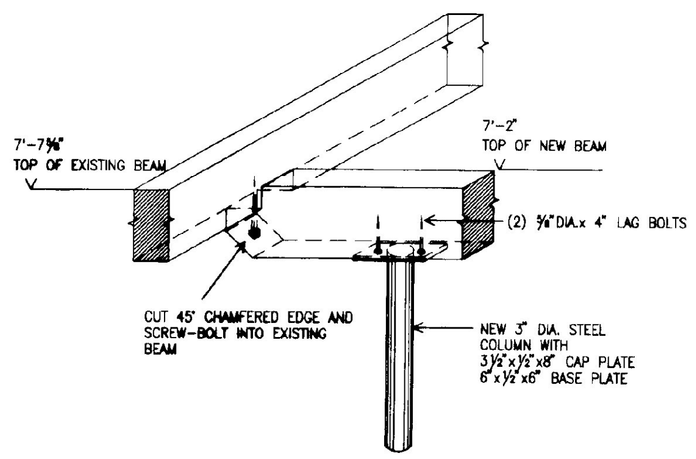
10 ROOF SECTION DETAIL AT EXG / NEW ROOF
SCALE: 1" = 1'-0"



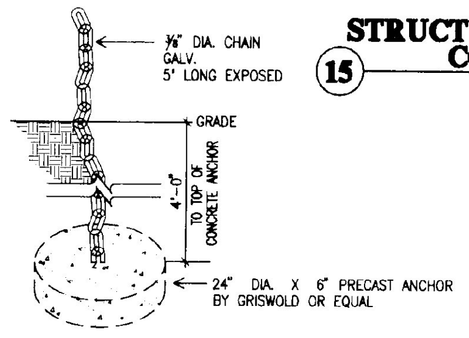
11 ROOF SECTION CLERESTORY WINDOWS
SCALE: 1" = 1'-0"



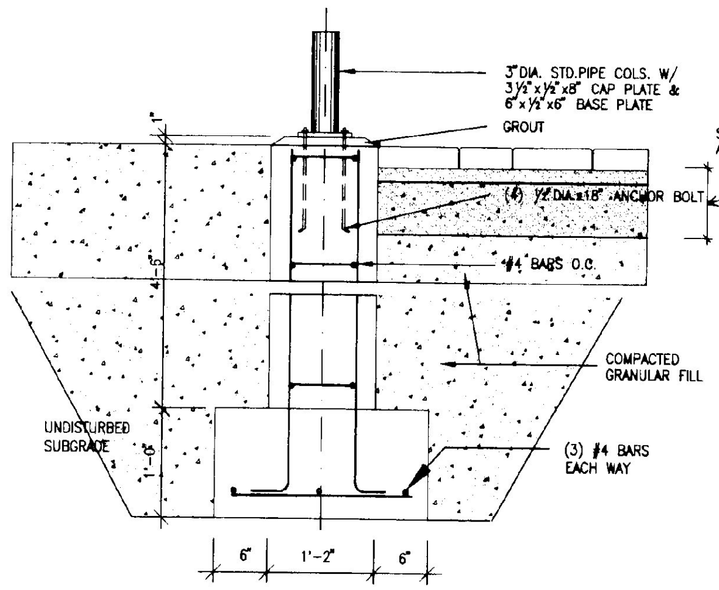
13 STRUCTURAL FOUNDATION DETAIL EXISTING / NEW
SCALE: 1/2" = 1'-0"



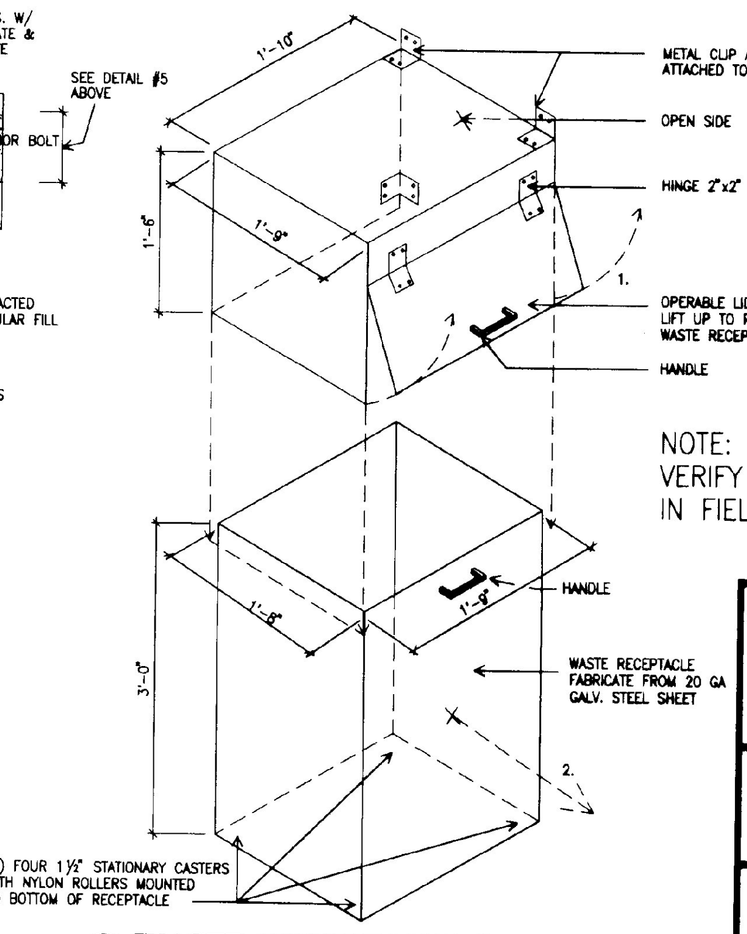
12 DETAIL ISOMETRIC EXG/NEW HEADER AT PORTICO
SCALE: 1" = 1'-0"



14 CONCRETE ANCHOR FOR PICNIC- TABLE AND BENCHES
SCALE: 1/2" = 1'-0"



15 STRUCTURAL FOUNDATION DETAIL COLUMN BASE DETAIL
SCALE: 1" = 1'-0"



16 WASTE RECEPTACLE DETAILS
SCALE: 1" = 1'-0"

REGISTERED ARCHITECT R. JOHN DORE NO. 1150 STATE OF VERMONT

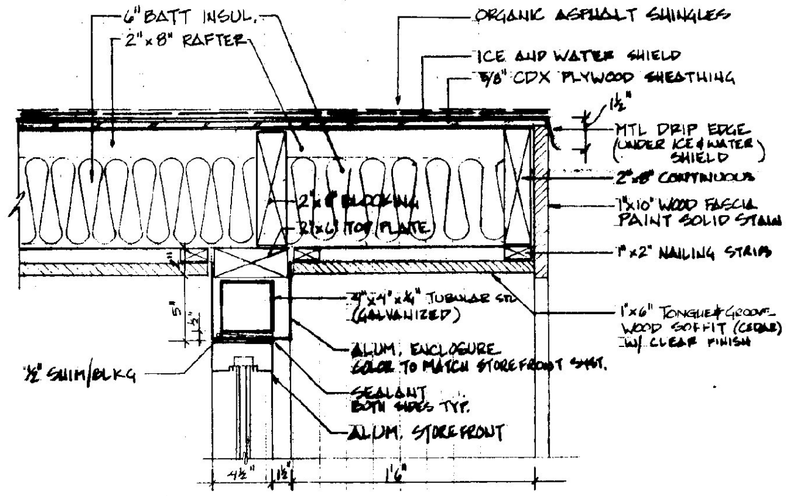
NOTE:
VERIFY DIMENSIONS FOR WASTE RECEPTICLE IN FIELD PRIOR TO FABRICATION

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

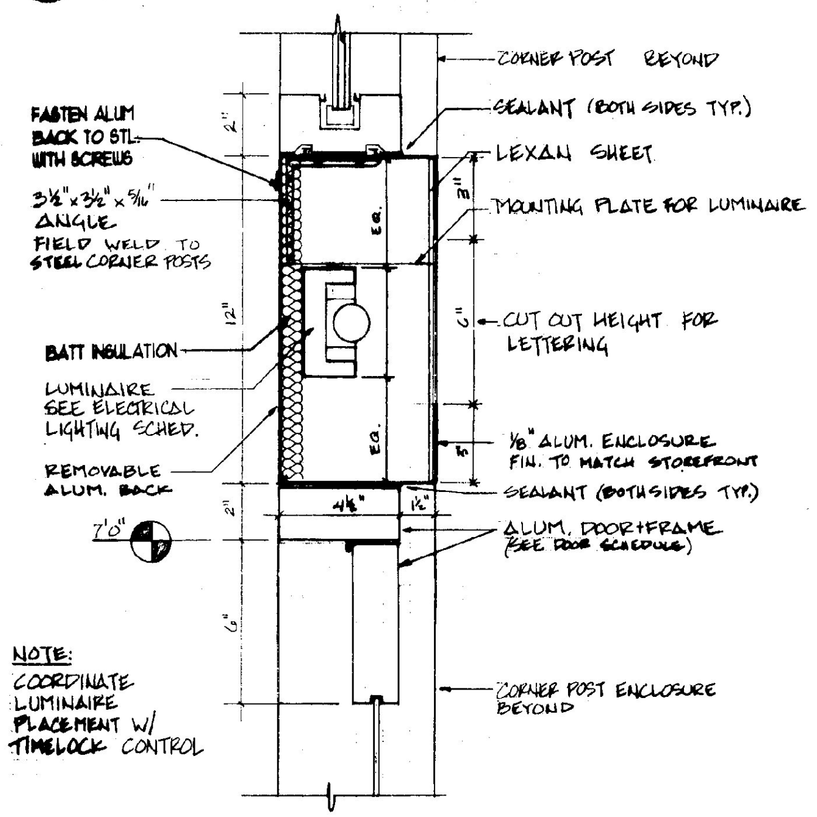
GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE: AUGUST 21, 1998	SCALE: AS NOTED	REVISIONS:	DRAWING NAME: MISCELLANEOUS DETAILS
DRAWN BY: MBB	PROJECT NO. IM 089-3 (30)		DRAWING NO: A-3.4
CHECKED BY:			

AS BUILTS
DATE: 7/21/99

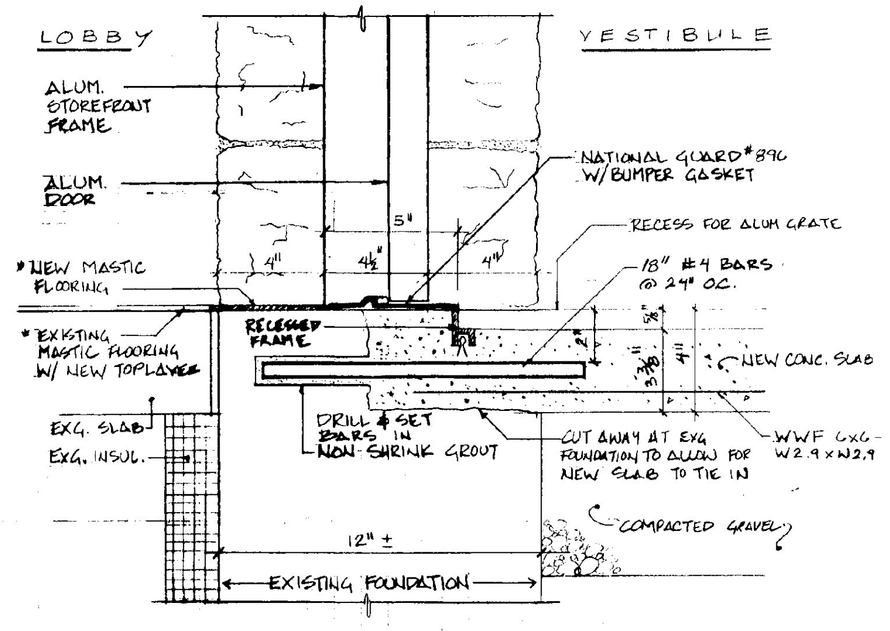


01 / 3.5 CONNECTION - STOREFRONT/ROOF VESTIBULE — 1 1/2"=1'-0"



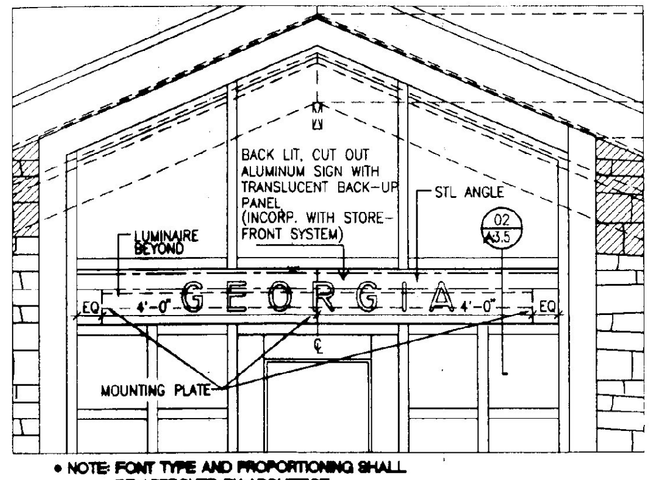
02 / 3.5 ENTRY - BACKLIT SIGN & DOOR HEAD VESTIBULE — 3"=1'-0"

03 / 3.5 ENTRY - THRESHOLD SECTION VESTIBULE DOOR #201 — 3"=1'-0"

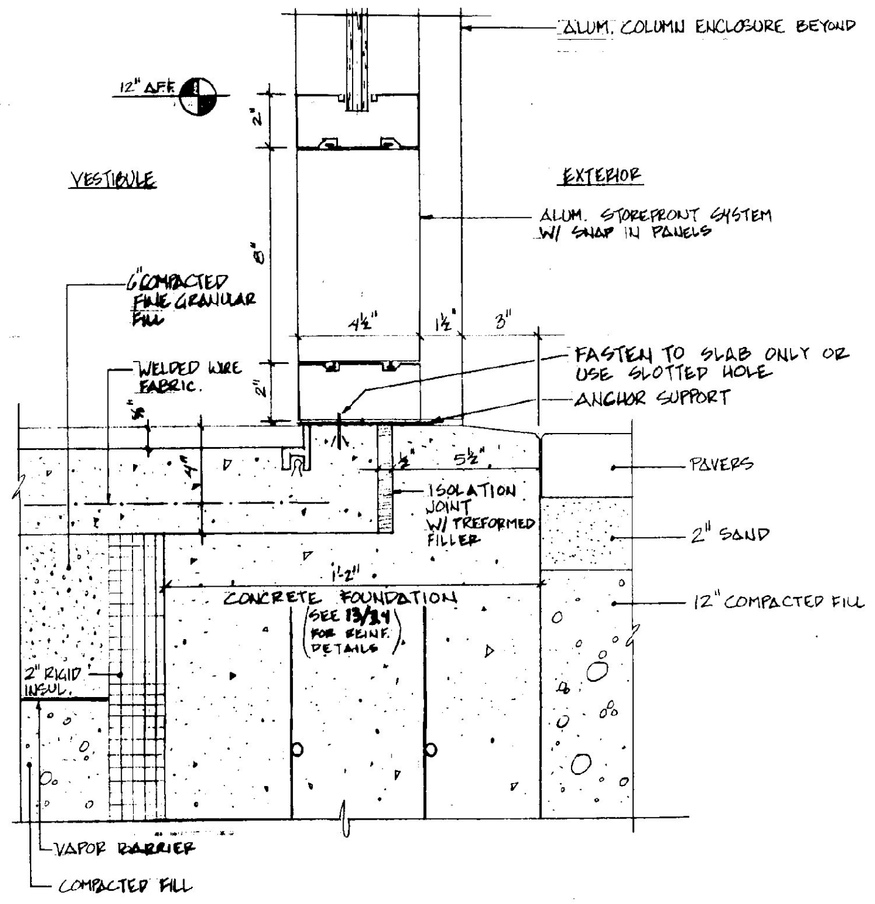


* NEW AND EXISTING MASTIC FLOORING SHALL BE AT THE SAME LEVEL AND SHALL APPEAR AS ONE CONTINUOUS FLOORING MATERIAL

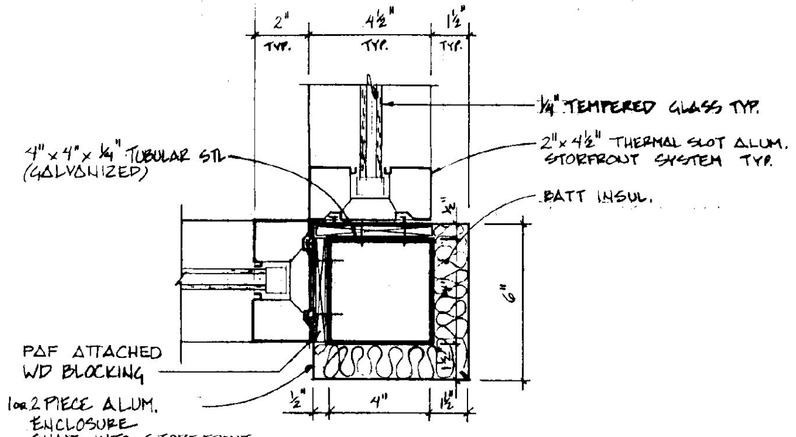
05 / 3.5 2ND ENTRY THRESHOLD VESTIBULE DOOR #202 — 3"=1'-0"



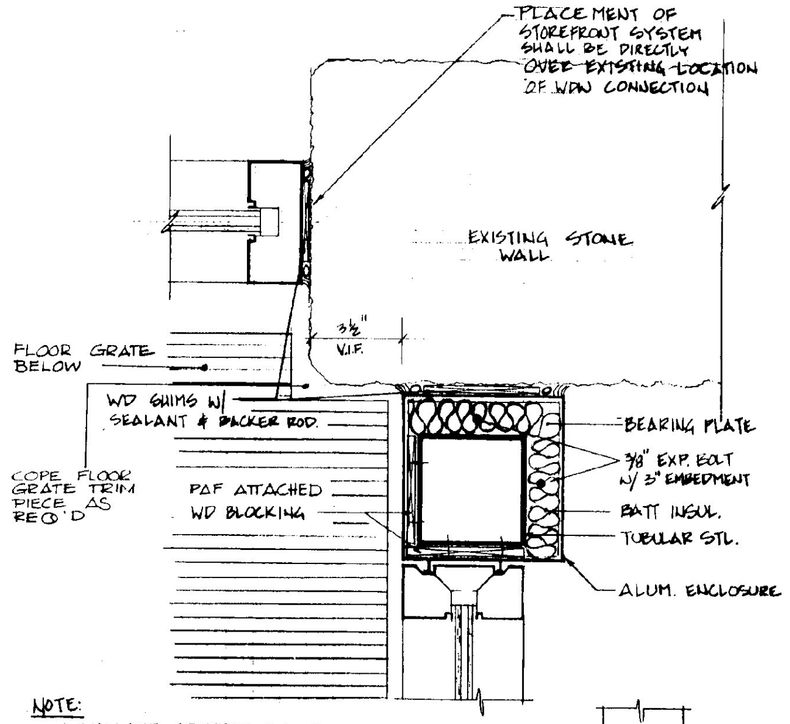
02A / 3.5 SIGN ELEVATION — 1-1/2" = 1'



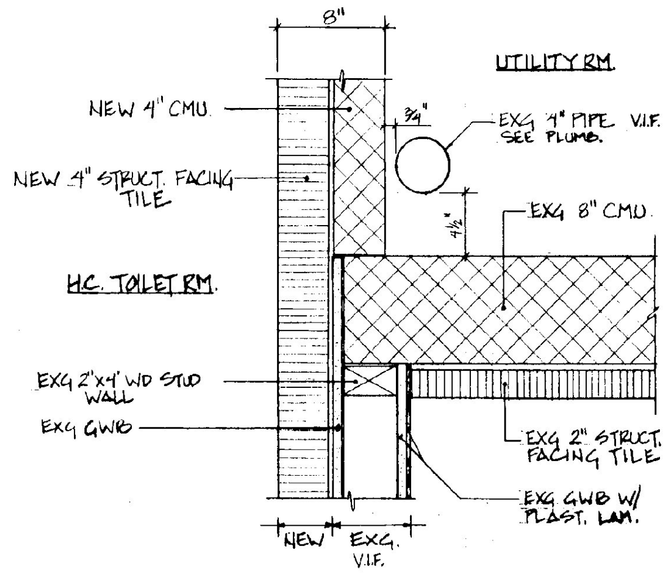
04 / 3.5 EXTERIOR STOREFRONT SILL VESTIBULE — 3"=1'-0"



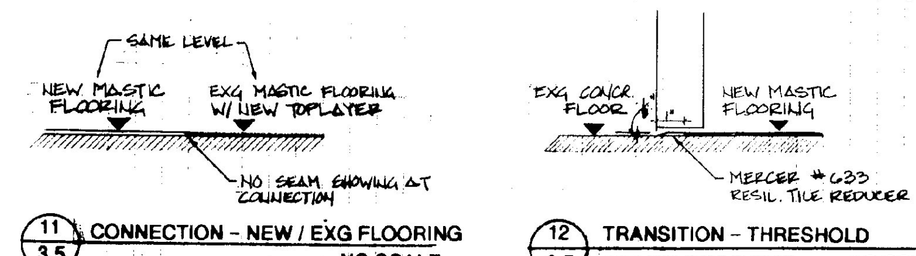
06 / 3.5 CORNER ENCLOSURE' VESTIBULE — 3"=1'-0"



07 / 3.5 CONNECTION - STOREFRONT & EXISTING STONE WALL VESTIBULE — 3"=1'-0"

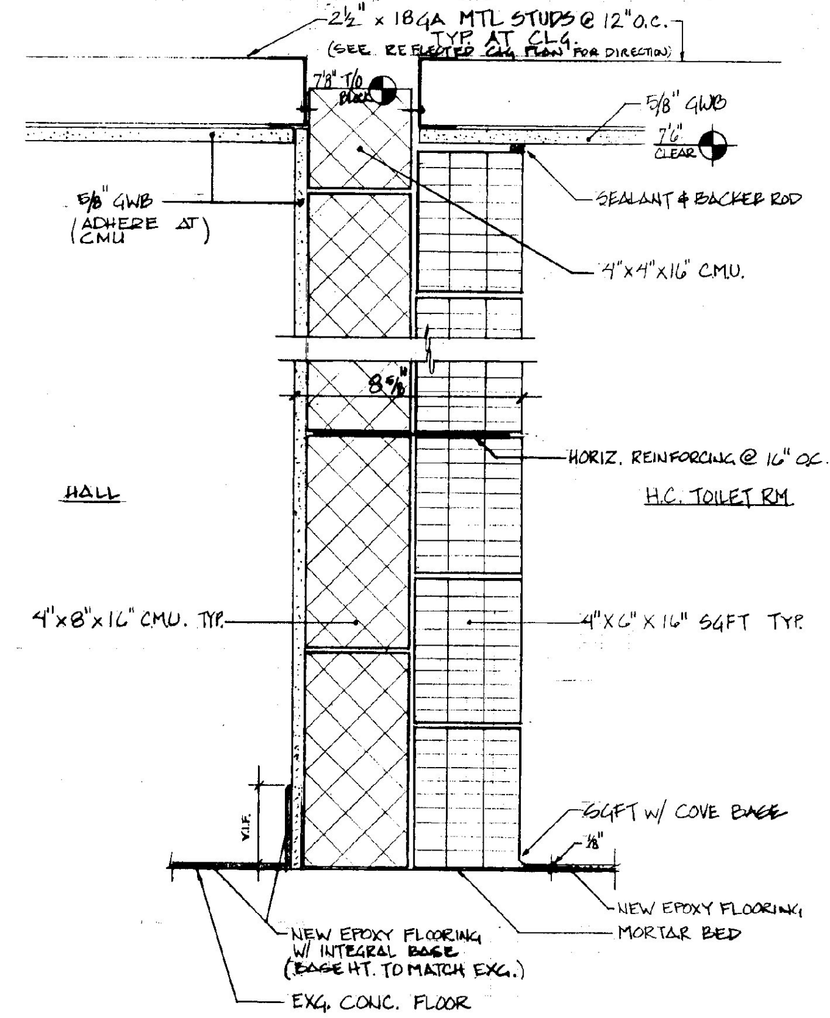


08 / 3.5 CONNECTION - WOMENS RESTRM / UTIL. RM / UNISEX RESTRM — 1 1/2"=1'-0"

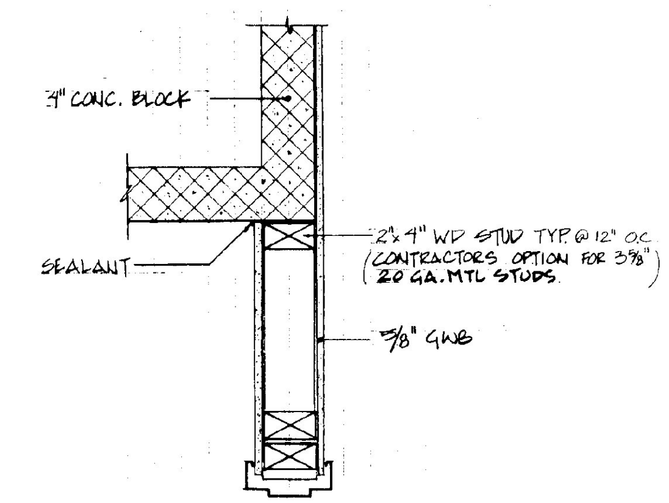


11 / 3.5 CONNECTION - NEW / EXG FLOORING — NO SCALE

12 / 3.5 TRANSITION - THRESHOLD UTILITY DOOR #207 — NO SCALE



10 / 3.5 SECTION THROUGH WALL UNISEX TLT — 3"=1'-0"



09 / 3.5 CONNECTION - CMU/WD STUD WALL CLOSET RM #08 — 1 1/2"=1'-0"

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

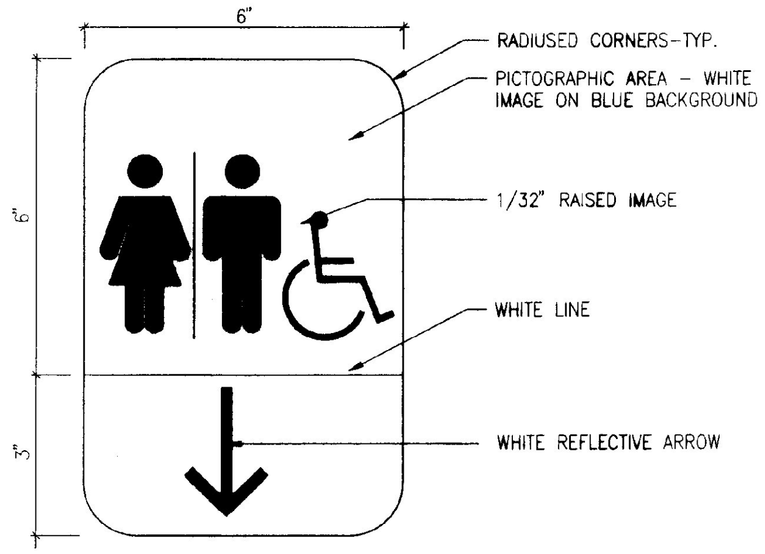
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	AS NOTED		MISCELLANEOUS DETAILS
DRAWN BY: MBB	PROJECT NO. IM 089-3 (30)		DRAWING NO: A-3.5
CHECKED BY: JBA			

REGISTERED ARCHITECT — JOHN GOSS — NO. 1158 — STATE OF VERMONT

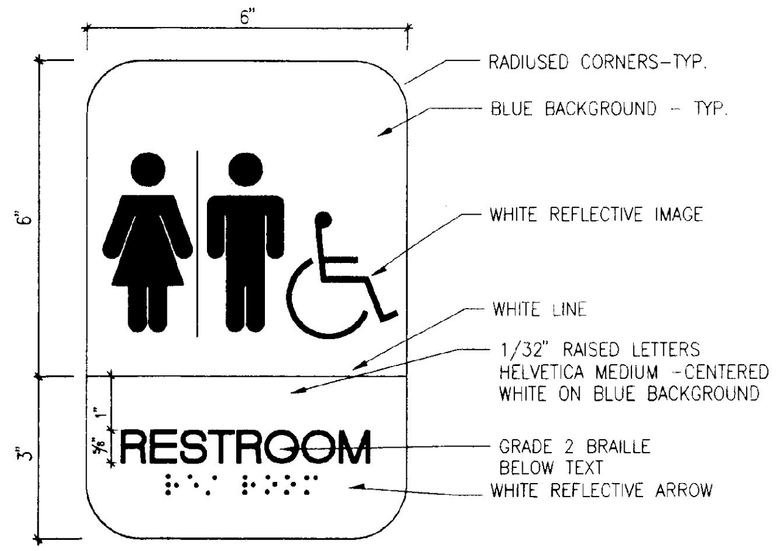
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AS BUILTS
DATE: 7/24/99

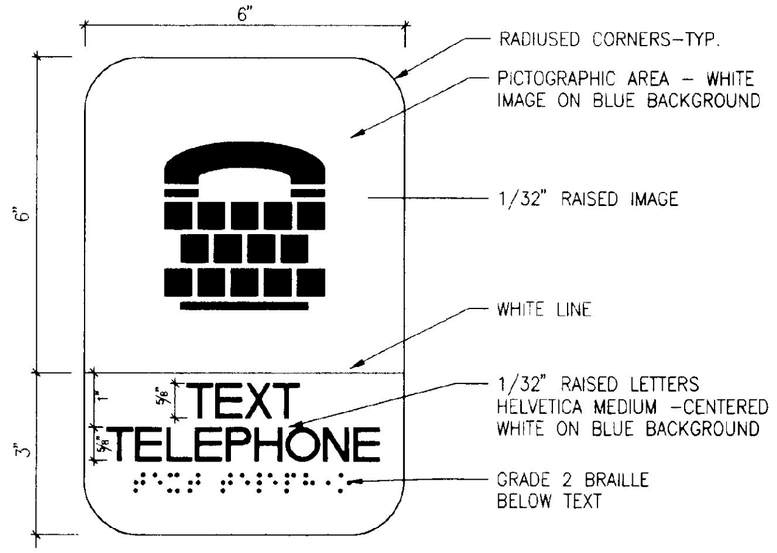
INTERIOR



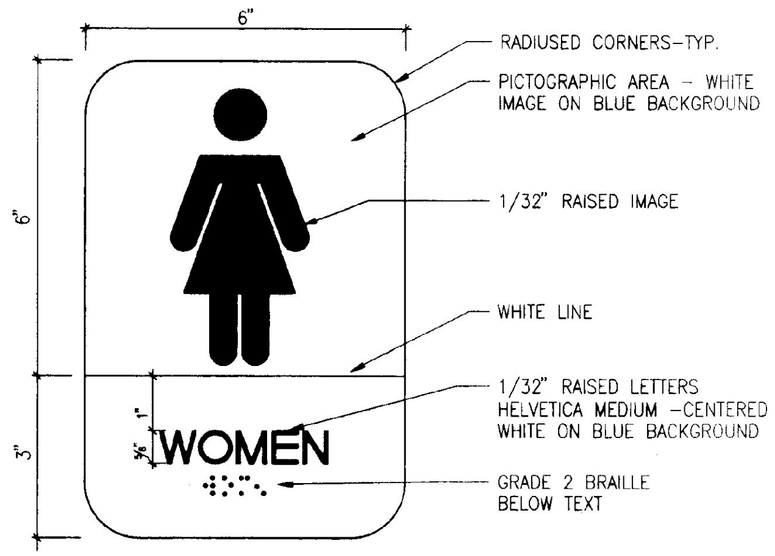
1 SIGN TYPE #1
SCALE: N.T.S.



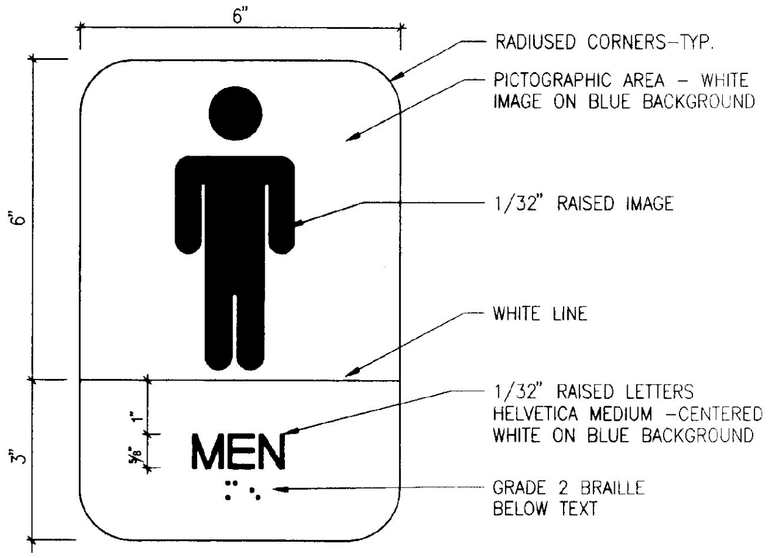
2 SIGN TYPE #2
SCALE: N.T.S.



3 SIGN TYPE #3
SCALE: N.T.S.



4 SIGN TYPE #4
SCALE: N.T.S.



5 SIGN TYPE #5
SCALE: N.T.S.

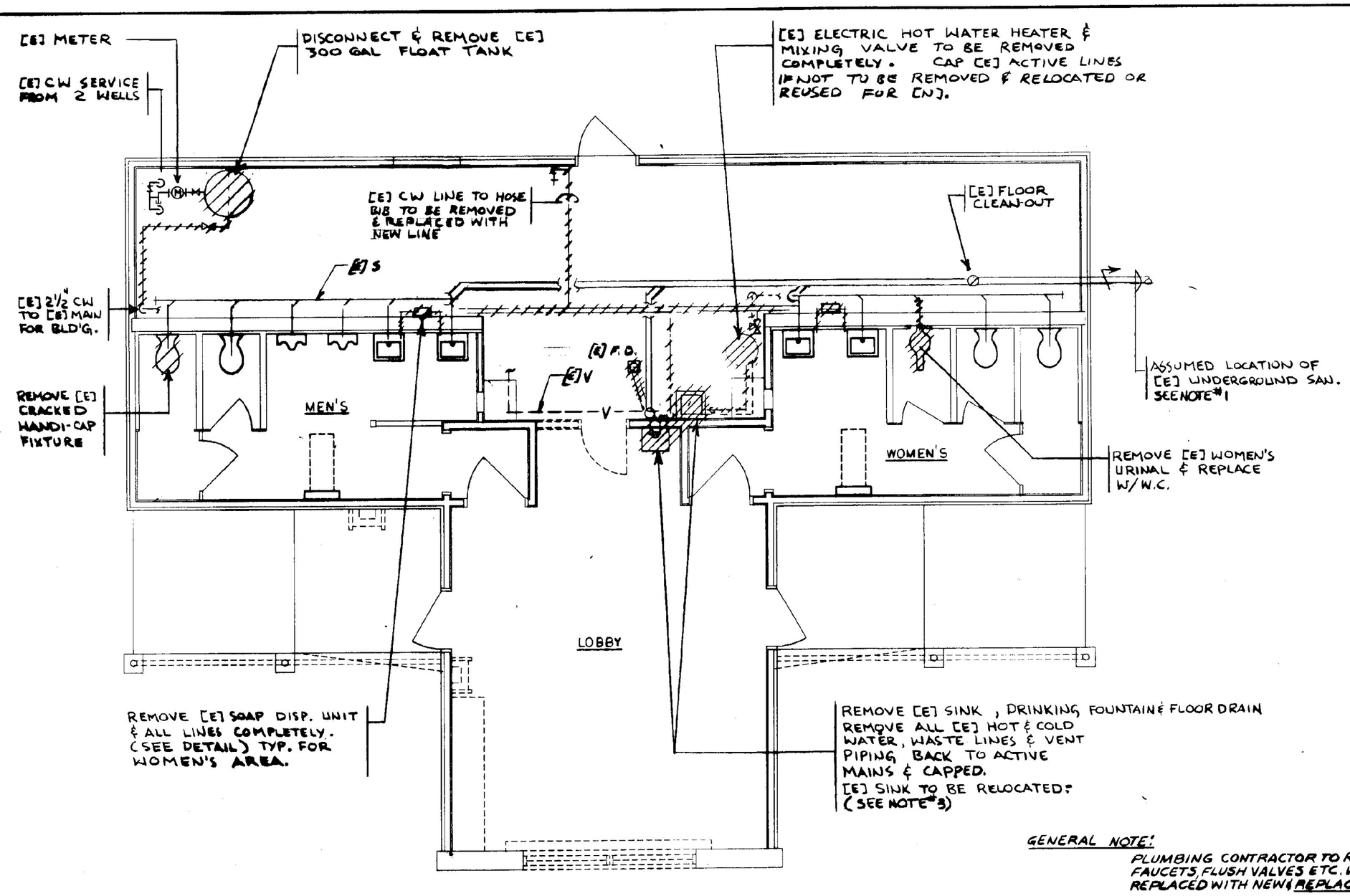
REGISTERED ARCHITECT
T. JOHN DONEY
NO. 1159
STATE OF VERMONT

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

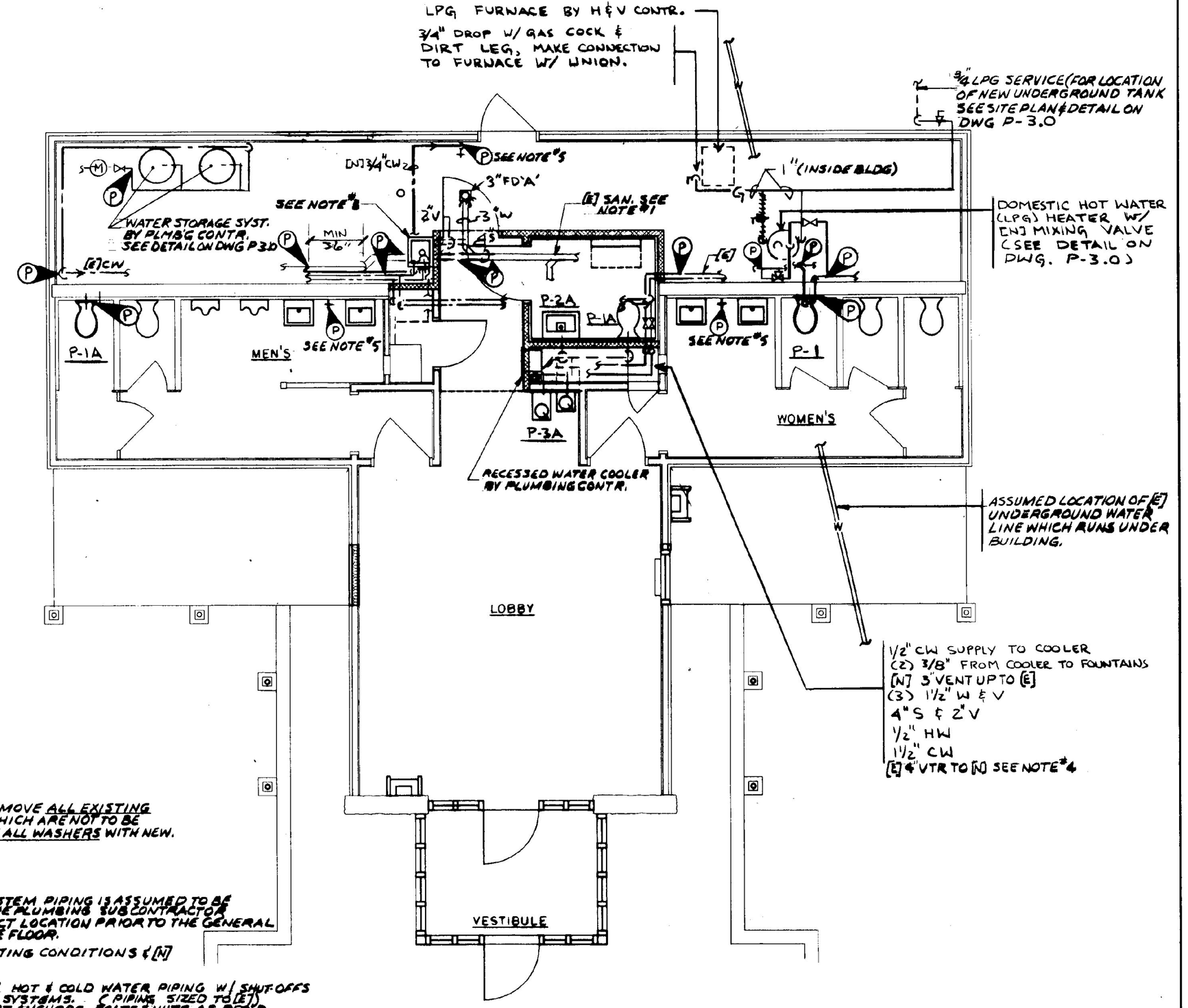
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
JULY 27, 1998	1/8"=1'-0"		SIGNS
DRAWN BY: MBB	PROJECT NO. IM 089-3 (30)		DRAWING NO: A-3.6
CHECKED BY: JBA			

C:\MYFILES\DRAWINGS\A3-6.dwg Wed Apr 07 15:24:44 1999 Plotted By: Murray's Slimmer



PLUMBING-EXISTING FLOOR PLAN-DEMOLITION

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



PLUMBING-FOOR PLAN-RENOVATIONS

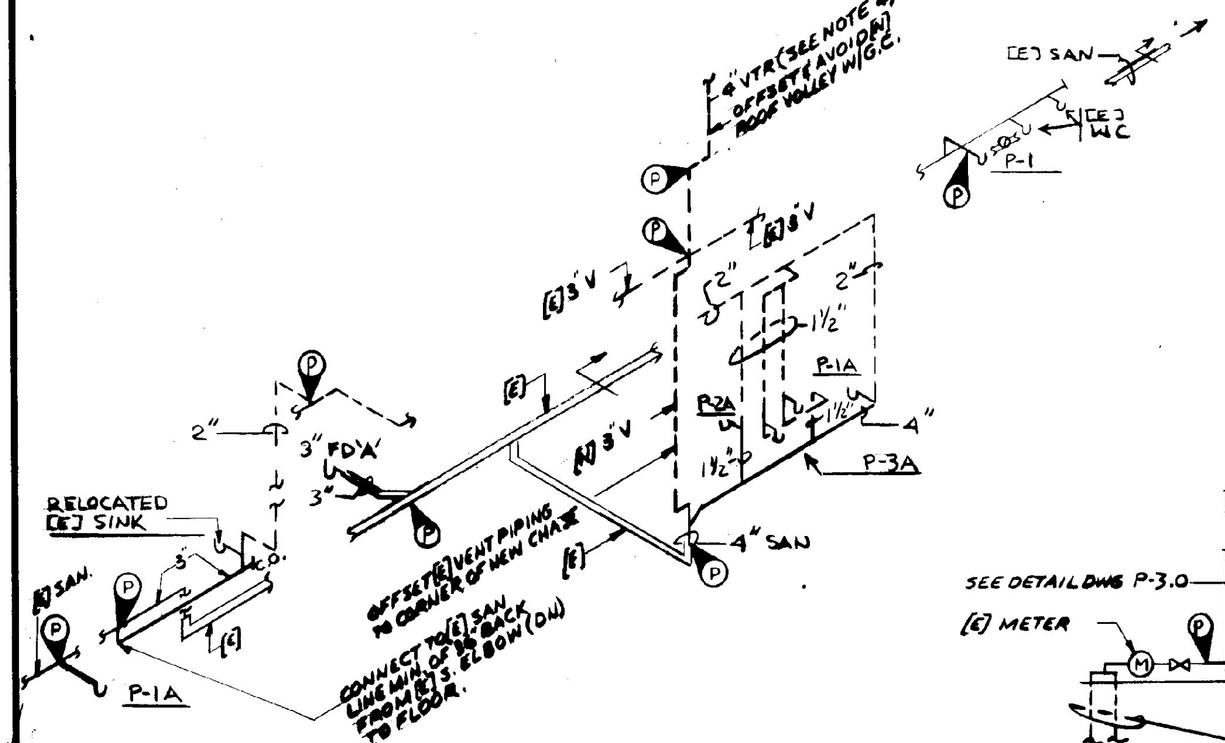
SCALE: 1/4"=1'-0"

GENERAL NOTE:

PLUMBING CONTRACTOR TO REMOVE ALL EXISTING FAUCETS, FLUSH VALVES ETC. WHICH ARE NOT TO BE REPLACED WITH NEW & REPLACE ALL WASHERS WITH NEW.

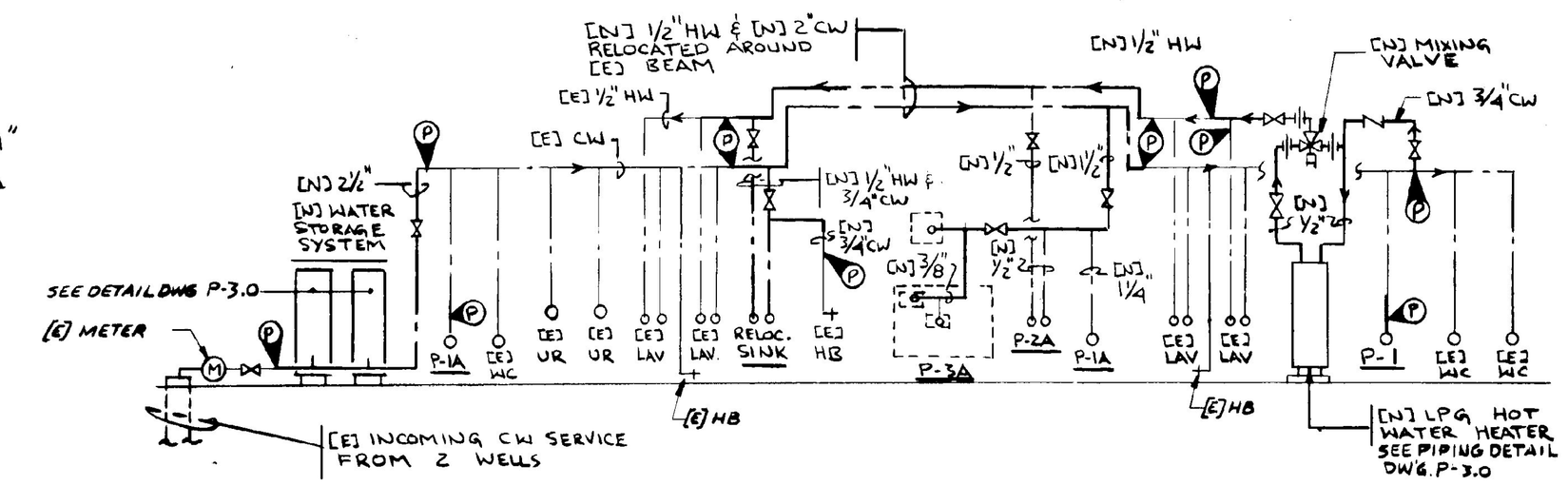
NOTES:

1. THE UNDERFLOOR SANITARY SYSTEM PIPING IS ASSUMED TO BE APPROX. CORRECT. HOWEVER, THE PLUMBING SUB CONTRACTOR SHALL FIELD VERIFY ITS EXACT LOCATION PRIOR TO THE GENERAL CONTRACTOR BREAKING UP THE FLOOR.
2. COORDINATE ALL WORK W/ EXISTING CONDITIONS & [N] WORK BY OTHER TRADES.
3. RELOCATE [E] SINK W/ ALL [N] HOT & COLD WATER PIPING W/ SHUT-OFFS VENT, WASTE W/ TRAP PIPING SYSTEMS. C PIPING SIZED TO [E]. FURNISH & INSTALL [N] SUPPORT ANCHORS, BOLTS & NUTS AS REQ'D. CONNECT PIPING SYSTEMS TO NEAREST ACTIVE LINES (SYSTEMS) IN AREA.
4. EXTEND [E] 4" VENT UP THRU NEW ROOF STRUCTURE & OFF SET AS REQ'D TO AVOID [N] ROOF VALLEY. THIS CONTRACTOR TO FURNISH NEW 16 OZ COPPER ROOF SLEEVE TO ROOFING SUB CONTR.
5. FURNISH & INSTALL [N] VACUUM BREAKERS ON [E] HOSE BIBBS (TYP. 3)
6. SEE DWG P-3.0 FOR LEGEND, FIXTURE SCHEDULE & DETAILS



SANITARY & VENT ISOMETRIC DIAGRAM RENOVATIONS

NOT TO SCALE



HOT & COLD WATER RISER DIAGRAM RENOVATIONS

NOT TO SCALE

RECORD DRAWING

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

REST AREA REHABILITATION
GEORGIA I-89 NORTHBOUND

DATE: 8-21-98	SCALE: 1/4"=1'-0"	REVISIONS:	DRAWING NAME: PLUMBING PLANS
DRAWN BY: DG	PROJECT NO. 97-366		DRAWING NO: P-1.0
CHECKED BY: NFL 779A			

NEALE F. LAWRENCE No. 3415 REGISTERED PROFESSIONAL ENGINEER VERMONT

SHEET ____ OF ____

K:\PROJECTS\VADA\GEORGIA\MECH-P-PLAN Tue Aug 25 14:39:17 1998 Plotted by: Michael S. Simonsen

[E] 20"x16" LOUVER TO BE CLEANED BY H&V CONTR. BEFORE [N] FAN & CONNECTING DUCTWORK IS TO BE INSTALLED
[E] FAN REMOVED BY OWNER

REMOVE EXISTING ELECTRIC HOT AIR FURNACE SYSTEM COMPLETELY INCLUDING ALL DUCTWORK REGISTERS DAMPERS, HANGERS CONTROLS, OUTSIDE INTAKE LOUVER, ETC. UNLESS NOTED OTHERWISE.

[E] ELEC. UNIT HEATER TO REMOVED & REPLACED W/ [N]

10"x10" (7'-4" AFF)

[E] DAMPER (TYP.)

10"x10" (7'-4" AFF)

10"x10" (8'-11" AFF)

ELECTRIC BASEBOARD MOUNTED ON WALL OVER TOILETS (TYPICAL FOR WOMEN'S ROOM)

ALL [E] EXHAUST GRILLES HAVE BEEN REMOVED BY OWNER [7 TOTAL]

REMOVE [E] 14"x8" SUPPLY REG. & RELOCATE

12"x6" TRANSFER GRILLES CENTERED OVER DOORWAYS (TYP. FOR 4)

ELECTRIC BASEBOARD MOUNTED ALONG FLOOR UNDER WINDOW TO BE REMOVED COMPLETELY

H&V DEMOLITION EXISTING FLOOR PLAN

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

ELECTRIC UNIT HTR/SEE EQUIP. SCHED.)

[E] LOUVER RELOCATED TO MIN. 4' ABOVE GRADE

GAS FIRED (LPG) MAKE-UP AIR UNIT #1

TIME CLOCK (TEMP. CONTROL)

(2) COMBUSTION AIR LOUVERS INSTALLED BY G.C. 12' A.F.F. & 12' BELOW CEILING (MAX.)

LOUVERS PROVIDED BY H&V CONTR. SIZED @ 12"x6" W/ INSECT SCREEN & ALL ALUMINUM CONSTRUCTION INCLUDING LOW VOLTAGE MOTORIZED DAMPERS

EXHAUST FAN (SEE EQUIP. SCHED.)

10"x10" @ 7'-6" A.F.F. (MIN.)

6"x6" ER @ 50 CFM (TYP. FOR 5)

14"x10" ER @ 250 CFM

7'-9" A.F.F.

18"x20"

18"x10"

14"x8" @ 7'-9" A.F.F.

5" Ø I.D. FLUE (UP) PROVIDE CLEAN OUT AT 80° A.F.F. (MIN.)

3" Ø I.D. FLUE CONNECT TO HW HTR. (WATER HEATER BY PLUMB. CONTR. COORDINATE SIZE)

12"x10" ER @ 200 CFM

6"x4" ER @ 40 CFM

10"x8"

10"x8"

10"x8" SR @ 250 CFM (TYP. FOR MENS ROOM) SAW CUT [N] OPENINGS TO SUIT

6"x4" SR @ 40 CFM

14"x8" ELBOW (UP) TO [E] 10"x10"

RELOCATE & REBALANCE [E] REG @ 410 CFM (SEE SECTION A-A)

(2) 20"x4" SUCTS TO RUN IN NEW ROOF JOIST SPACE (SEE SECTION 'A-A' TYP. 2).

(2) 24"x4" SR @ 210 CFM EACH COORDINATE LOCATION W/ G.C.

(4) 16"x6" TRANSFER GRILLES TO BE INSTALLED IN BOTTOM ROW OF WINDOW FRAMES (SEE ARCH. PLANS).

RENOVATION H&V FLOOR PLAN

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

EQUIPMENT SCHEDULE: FURNISH & INSTALL THE FOLLOWING

EXHAUST FAN #1 - UTILITY TYPE: BELT DRIVEN, RATED @ 800 CFM, 3/8" STATIC PRESS. @ 951 RPM - 2 SPEED W/ 1/3 HP - 120V/1 POLE MOTOR. FAN BY GREENHECK MODEL SFB-9 W/ BOTTOM HORIZ. DISCHARGE, INTERLOCK TO RUN ON OCCUPIED CYCLE. (SEE SPEC.) NOTE: INSTALL FAN PRIOR TO INSTALLING REVISED DUCTWORK. FOR FITTING INTO 'SPACE' (800 CFM HIGH SPEED/325 CFM ON LOW SPEED.)

GAS FIRED MAKE-UP AIR UNIT #1 - GAS FIRED FURNACE RATED @ 125 MBH LPG INPUT, 100 MBH OUTPUT, 1680 CFM @ .5" STATIC PRESS., 3/4 HP-120V/1 POLE MOTOR W/ 4 MIN. SPEED SETTINGS WIRED TO MH SETTING. FURNISH W/ VENT, DAMPER & FILTER. UNIT BY THERMO PRIDE - HIGHBOY SECTIONAL GAS FURNACE MODEL NO. IHA-125. (SEE SPEC.)

ELECTRIC UNIT HEATER - ELECTRIC UNIT HEATER @ 17 MBH, 5KW, 277V (VERIFY VOLTAGE WITH ELECTRICAL CONTR.) WITH MOUNTING HARDWARE TO MOUNT ON [E] BRACKET, LINE T'STAT (SET @ 50°F) AND ALL OTHER ACCESSORIES FOR A COMPLETE WORKING INSTALLATION.

Poor Quality

ROOF

NEW ROOF BY G.C.

[E] INSULATED ROOF

LOBBY

20"x4" S. DUCT TO VESTIBULE REG. W/ 1/2" INSULATION TO RUN BETWEEN NEW 2"x8" ROOF JOIST (TYP. 2) COORDINATE ENTIRE SYSTEM W/ G.C.

6" Ø I.D. FLUE W/ ALL ACCESSORIES, ROUND TOP, WALL BRACKET, ROOF SUPPORT, STORM COLLAR, ETC. (SEE SPEC.)

MIN. 2 FEET

8"x14" S. PLENUM (FIELD LOCATED)

[E] 10"x10" EXHAUST DUCT

6" x 30" TO RETURN DUCT

10"x18"

[N] LOUVER RELOCATED 4 FEET ABOVE GRADE W/ 10" DEEP PLENUM

6"x40"

RELOCATED [E] S.R. W/ [N] 8"x14" S. DUCT W/ V.D. & BALANCE @ 410 CFM

LOBBY

VESTIBULE

10"x6" S TO REST ROOMS (TYP. 2)

24"x4" SR @ 210 CFM (TYP. 2)

(4) 16"x6" TRANSFER GRILLES IN BOTTOM ROWS OF WINDOW FRAME (SEE ARCH. PLANS)

MAINTAIN MIN 30" CLEAR WALKWAY

24"x36" ER @ 600 CFM RETURN W/ 10" HIGH PLENUM (FIELD VERIFY)

SECTION 'A-A'

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

6"x10" SR @ 150 CFM TO UTILITY ROOM

6"x12" BYPASS W/ VD SET AT 200 CFM

8"x40" (SLOPED UP)

10"x16" R (SLOPED UP)

18"x20"S

TURNING VANES IN ALL ELBOWS (TYP.)

5" Ø I.D. FLUE CONNECT TO FURNACE W/ ADAPTOR

LOUVERS BY H&V CONTR. INSTALLED BY G.C. (TYP. 2) (SEE FLOOR PLAN FOR LOCATION)

VD

[N] LOUVER PLENUM

14"x16"

MD

VD

20"x20"

TEMPERATURE CONTROL TIME CLOCK (SEE SPEC.)

GAS FIRED (LPG) MAKE-UP AIR UNIT #1

FLOOR

4" CONCRETE PAD (30"W x 35"L MIN. BY G.C.)

16"x25"

FLEX. CONNECTION ON RETURN (TYP. FOR SUPPLY ON TOP)

SECTION 'B-B'

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

H&V LEGEND	
N	NEW
E	EXISTING
	EXISTING TO BE REMOVED
	TRANSFER GRILLE
H	POINT OF CONNECTION-NEW TO EXIST.
	AIR SUPPLY
	AIR EXHAUST
VD	VOLUME DAMPER
MD	MOTORIZED DAMPER
AFF	ABOVE FINISH FLOOR
'ER'	EXAUST REGISTER
'SR'	SUPPLY DAMPER

RECORD DRAWING

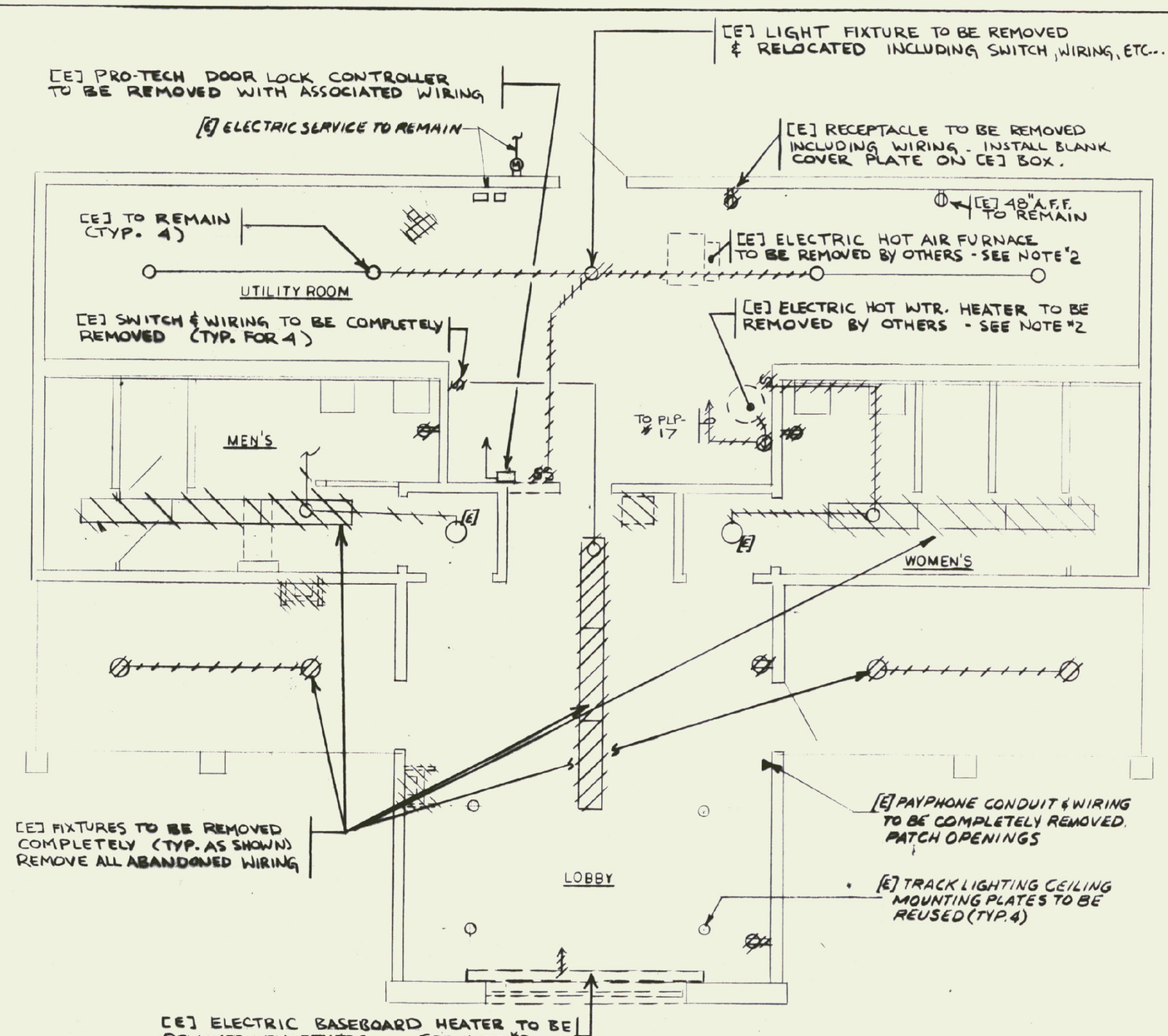
STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

REST AREA REHABILITATION
GEORGIA I-89 NORTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING NAME:
8-21-89	1/4"=1'-0"		HEATING & VENTILATING PLANS & LEGEND
DRAWN BY: DG	PROJECT NO. 97-368		DRAWING NO: H-1.0
CHECKED BY: NFL 779A			

STATE OF VERMONT · NEIL F. LAURENT · No. 3448 · REGISTERED · PROFESSIONAL ENGINEER

C:\PROJECTS\MDA\GEORGIA\H-P-PLAN Tue Feb 10 15:26:12 1998 Plotted by: Michael S. Sherman



GENERAL NOTE:
ALL [N] LIGHT FIXTURES WHICH ARE TO REMAIN SHALL BE THOROUGHLY CLEANED & RELAMPED WITH NEW IN-KIND.

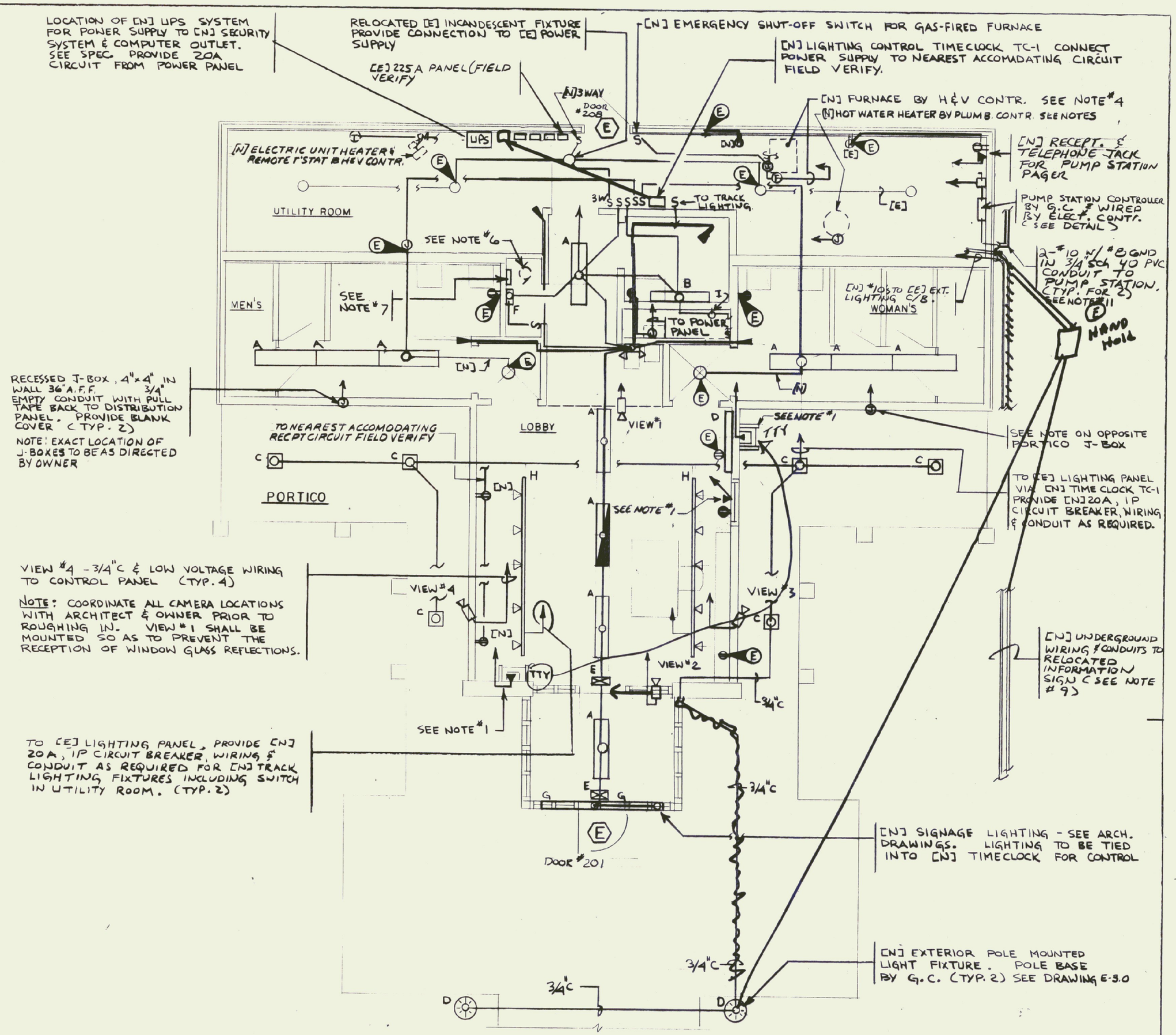
ELECTRICAL - FLOOR PLAN - EXISTING CONDITIONS

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

NOTES:

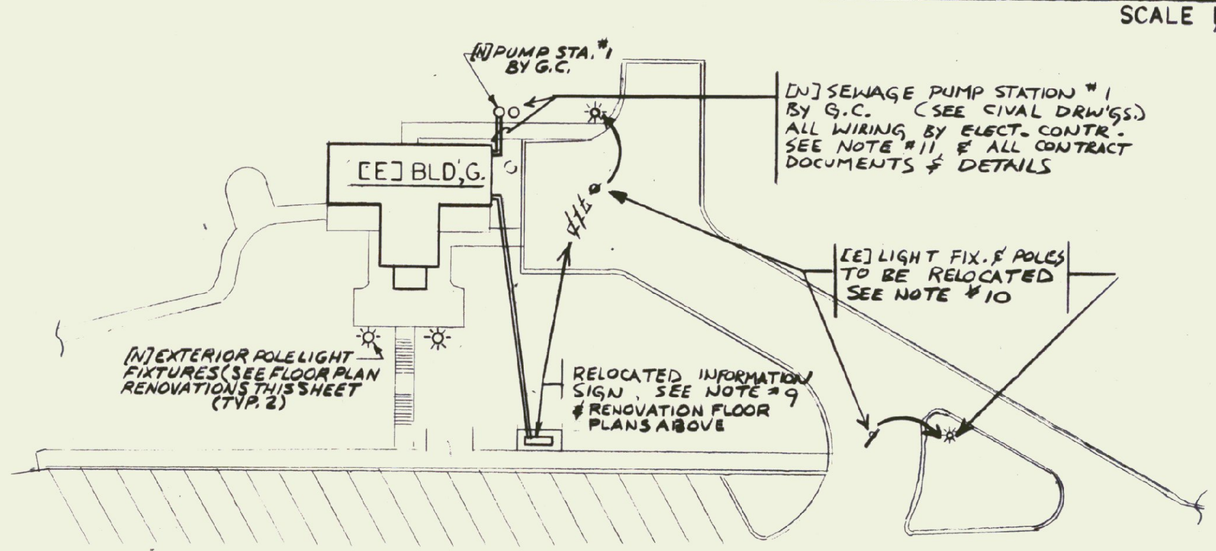
1. The Electrical Contractor shall coordinate with the Owner before installing telephone outlet boxes and conduit to determine the exact height requirements of each telephone outlet box. These heights may vary depending on the actual equipment purchased by the Owner and the individual type and ADA Requirements 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.
2. The Electrical Contractor shall disconnect one [1] electric baseboard heater in the Lobby Area, one [1] electric unit heater in the Utility Room, one [1] electric hot air furnace in Utility Room and one [1] electric hot water heater in Utility Room.

   Electrical Contractor shall remove all abandoned wiring and conduit to these units wherever possible. Field verify. See DWG P-1 & DWG. HV-1 for electric heater locations. Electric heat in existing Men's and Women's Rooms to remain in place. The Heating Contractor shall be responsible for the removal of the disconnected electric baseboard radiation.
3. All new and relocated conduit and wiring shall be run concealed. When not possible, coordinate with the Architect and Engineer before installation.
4. Provide power wiring, service switch, Fire-O-Matic, conduit and connection to new gas-fired furnace. Provide new 20 amp single pole breaker in panel in abandoned electric furnace breaker position. Provide wiring and conduit to service new furnace, control power supply and new wall mount temperature control timeclock. Power wiring only. All temperature control wiring by HV Contractor. See Specification.
5. Provide power wiring, conduit and connection to new gas-fired hot water heater. Provide new 20 amp single pole breaker in panel abandoned electric hot water heater breaker position. See Specification.
6. The Electrical Contractor to reconnect [E] power supply to new exhaust fan. [Fan by HV Contractor]. Coordinate with HV Contractor [existing fan presently removed].
7. The Electrical Contractor to relocate [E] surveillance door control to this Room. Provide power from [N] UPS System and tie into [E] power panel. [See Specification]
8. The Electrical Contractor shall, at the completion of all Work, verify all connected loads to power and lighting panels as to the circuit breaker numbers and fill out a new, accurate Panel Schedule for each panel which has been affected by the Work under this Contract.
9. The Electrical Contractor to disconnect and remove all [E] power wiring to [E] INFORMATION sign which is to be removed and relocated by General Contractor. Provide [N] wiring from [E] C/B in lighting panel to relocated sign and provide all connections. Underground wiring to run in minimum 1" Schedule 40 PVC conduit and provide one [1] empty 1" telephone Schedule 40 conduit from existing telephone board location in Building to sign with nylon pull strings.
10. Disconnect and remove [E] light pole wiring and conduit for light relocation. Light fixture to be relocated by Electrical Contractor with [N] #10 wires from [E] C/B through [E] and [N] conduits sealed. Concrete bases by General Contractor.
11. THE ELECT. CONTR. TO FURNISH & INSTALL [N] POWER WIRING & ALARM WIRING TO [N] SEWAGE PUMP STATION (* 1). PUMP STATION * 1 BY G.C. COORDINATE ALL ELECTRICAL REQ. W/ PUMP STATION SUPPLIER & LOCATION OF [N] PUMP STA. W/S.P. DRAWINGS & G.C.
12. SEE DWG E-3.0 FOR LEGEND, SCHEDULE & DETAILS.



ELECTRICAL - FLOOR PLAN - RENOVATIONS

SCALE 1/4"=1'-0"



PARTIAL SITE PLAN

N.T.S.

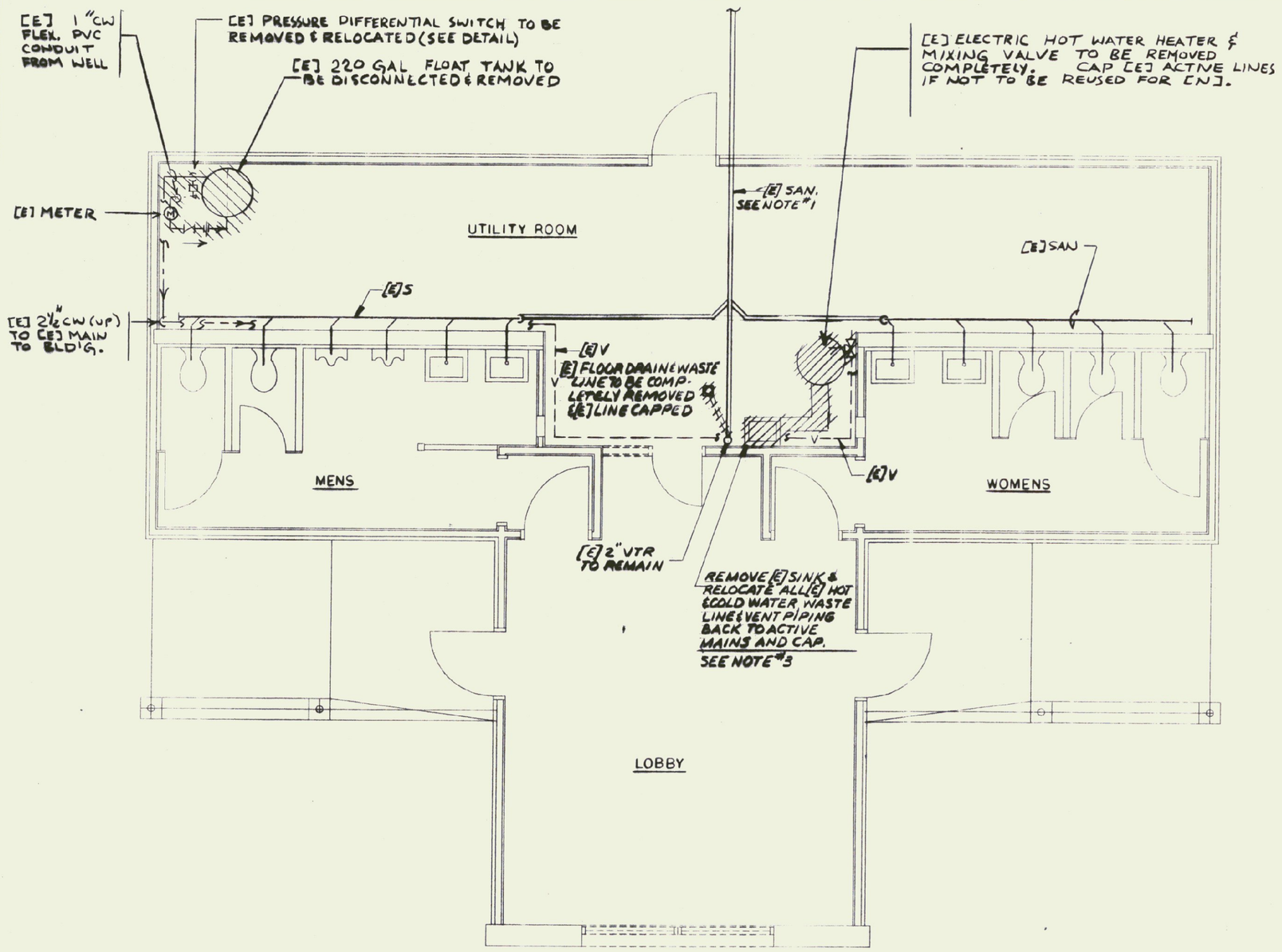
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STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

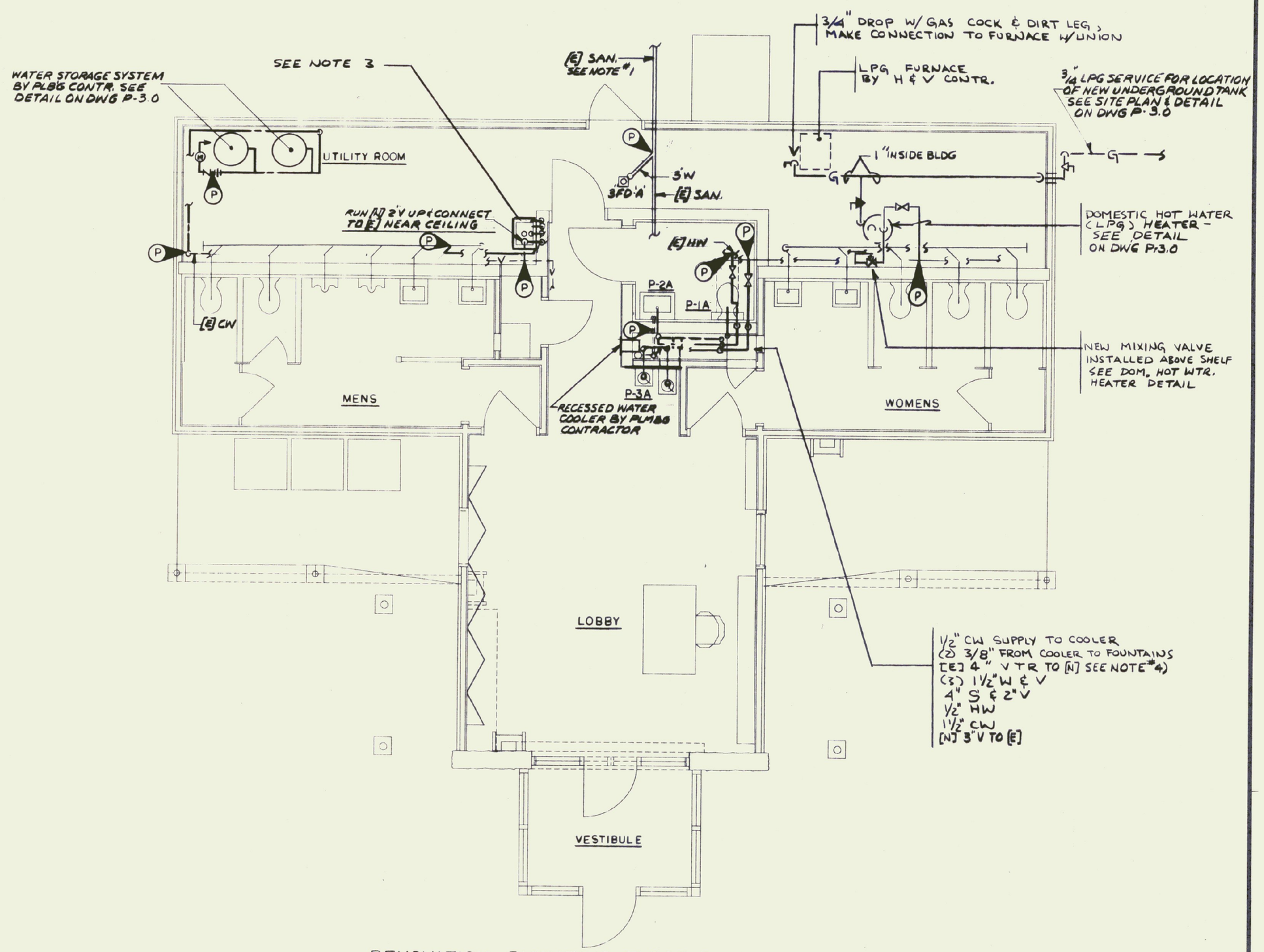
REST AREA REHABILITATION
GEORGIA I-89 NORTHBOUND

DATE: 8-21-98	SCALE: 1/4"=1'-0"	REVISIONS:	DRAWING NAME: ELECTRICAL FLOOR PLANS
DRAWN BY: DG	PROJECT NO.		DRAWING NO: E-1.0
CHECKED BY:			

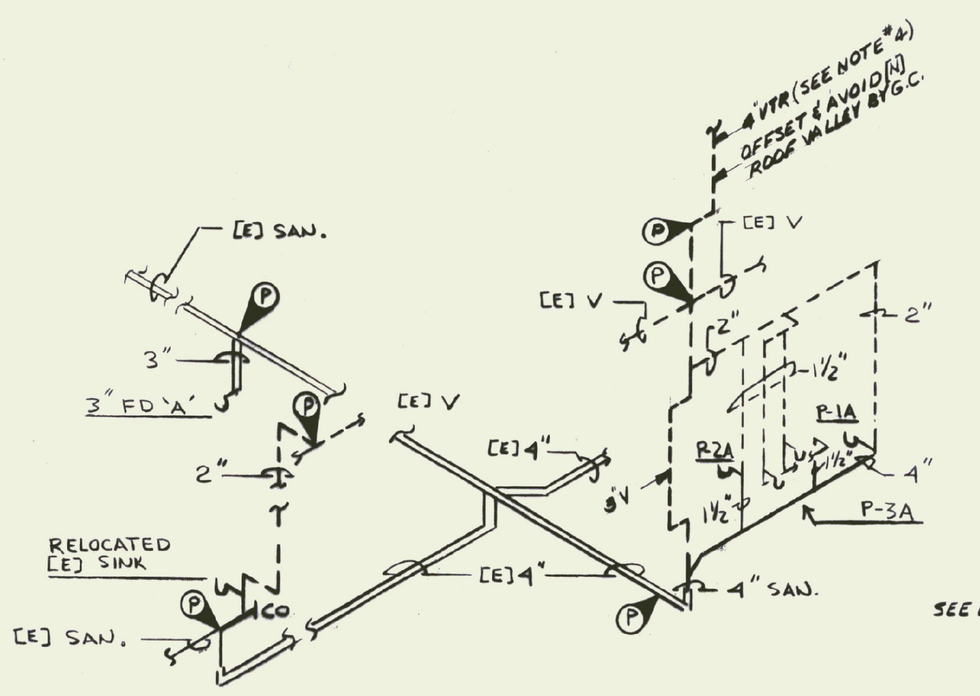
STATE OF VERMONT
NEALE P. LAWRENCE
No. 3448
REGISTERED PROFESSIONAL ENGINEER



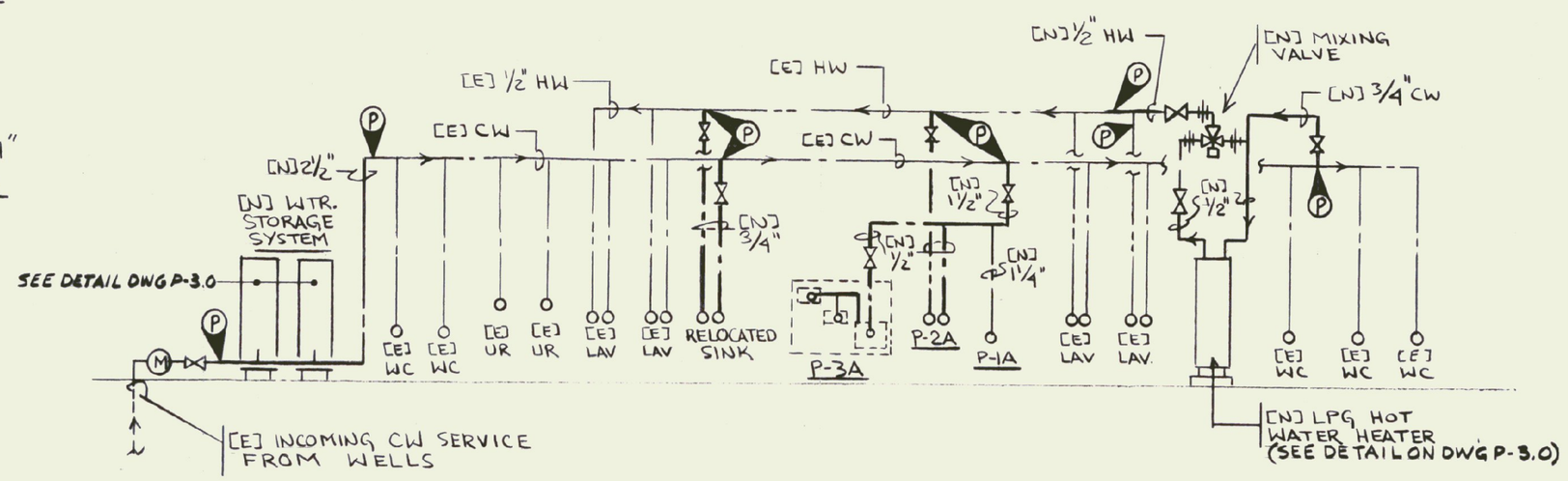
DEMOLITION - PLUMBING - EXISTING FLOOR PLAN
SCALE: 1/4"=1'-0"



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



SANITARY & VENT ISOMETRIC DIAGRAM RENOVATIONS
NOT TO SCALE



HOT & COLD WATER RISER DIAGRAM RENOVATIONS
NOT TO SCALE

NOTES:

1. THE UNDERFLOOR SANITARY SYSTEM PIPING IS ASSUMED TO BE APPROX. CORRECT. HOWEVER, THE PLUMBING SUB CONTRACTOR SHALL FIELD VERIFY ITS EXACT LOCATION PRIOR TO THE GENERAL CONTRACTOR BREAKING UP THE FLOOR.
2. COORDINATE ALL WORK W/ EXISTING CONDITIONS & [N] WORK BY OTHER TRADES.
3. RELOCATE [E] SINK W/ ALL [N] HOT & COLD WATER PIPING W/ SHUT-OFFS, VENT, WASTE W/ TRAP PIPING SYSTEMS. (PIPING SIZED TO [E].) FURNISH & INSTALL [N] SUPPORT ANCHORS, BOLTS & NUTS AS REQUIRED. CONNECT PIPING SYSTEMS TO NEAREST ACTIVE LINES (SYSTEMS) IN AREA.
4. EXTEND [E] 4" VENT UP THRU NEW ROOF STRUCTURE & OFFSET AS REQ'D TO AVOID [N] ROOF VALLEY. THIS CONTRACTOR TO FURNISH NEW 10 GA. COPPER ROOF SLEEVE TO ROOFING SUB-CONTRACTOR.
5. SEE DWG P-3.0 FOR LEGEND, FIXTURE SCHEDULE & DETAILS.

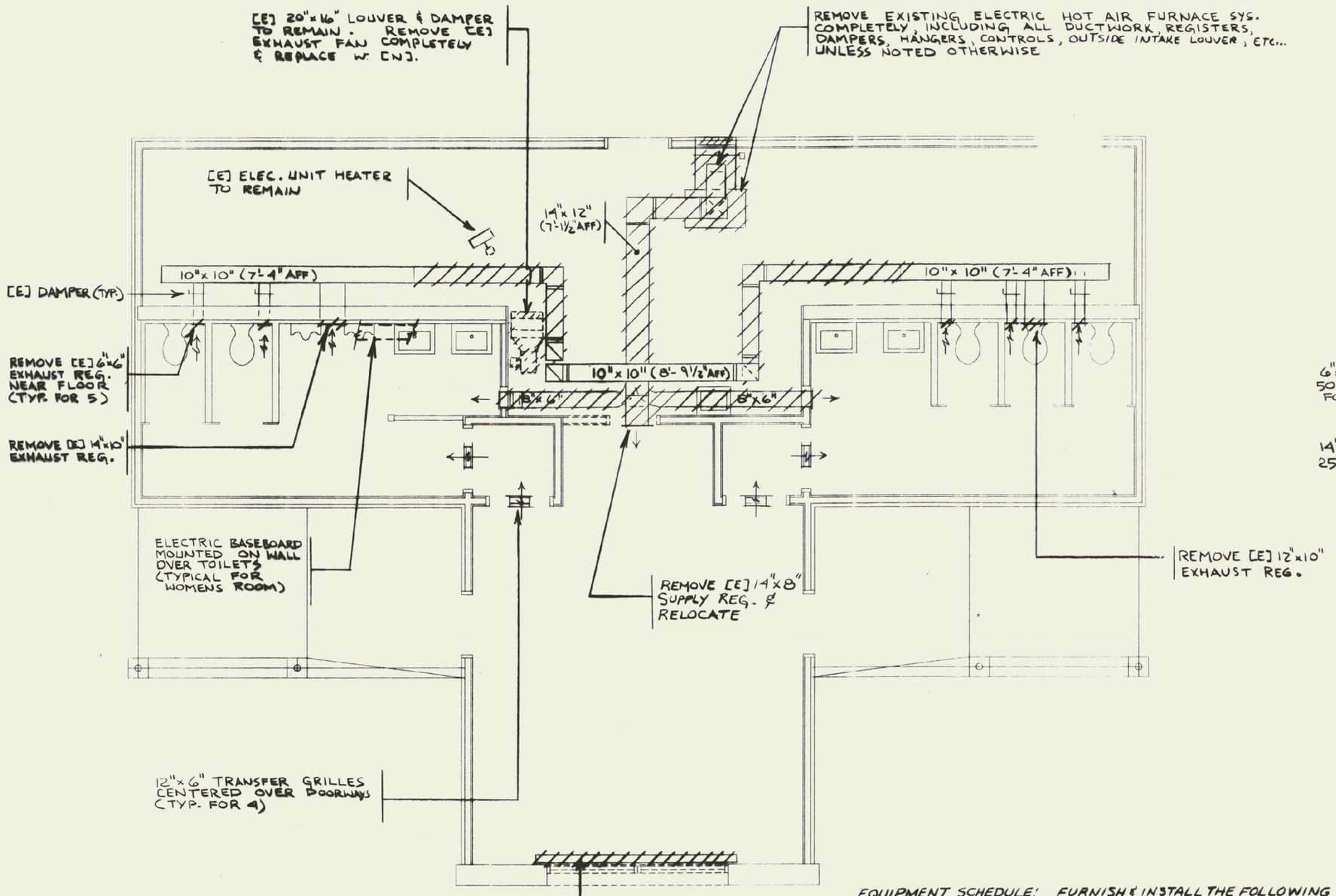
RECORD DRAWING

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

REST AREA REHABILITATION
GEORGIA I-89 SOUTHBOUND
PLUMBING - DEMOLITION & RENOVATION FLOOR PLANS, SCHEDULE, DETAIL & LEGEND

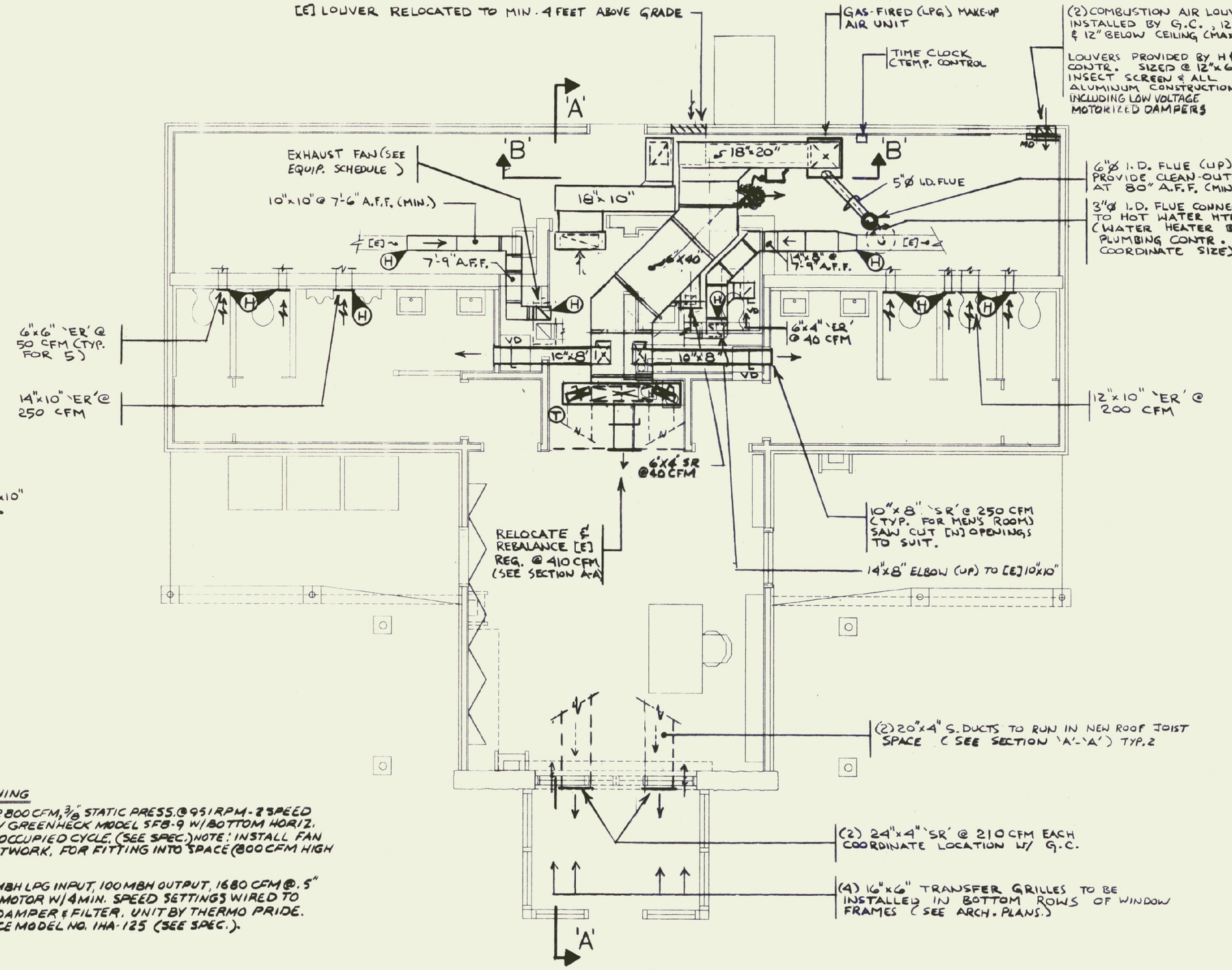
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DRAWN BY: DG	APPROVED BY:	DRAWING NAME:	SHEET

STATE OF VERMONT
KEITH P. LAURENCE
No. 3448
REGISTERED
PROFESSIONAL ENGINEER



H&V DEMOLITION EXISTING FLOOR PLAN

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



RENOVATION - H & V FLOOR PLAN

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

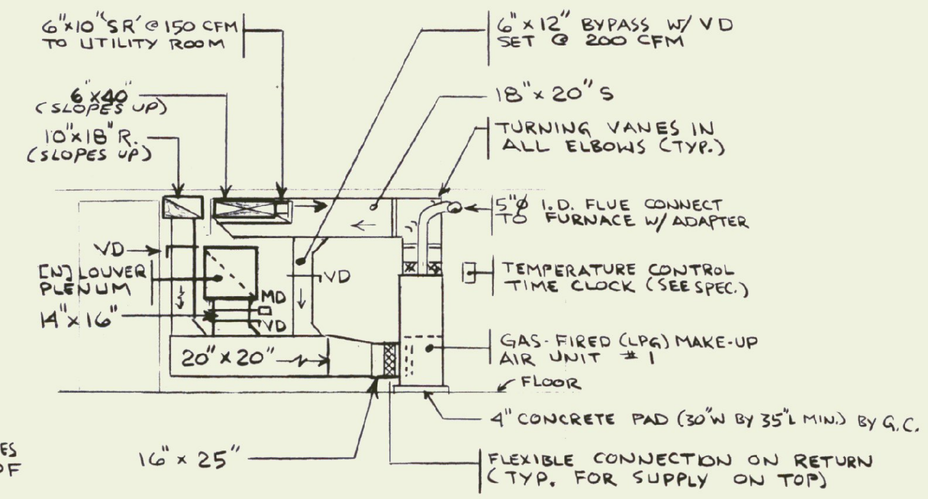
EQUIPMENT SCHEDULE: FURNISH & INSTALL THE FOLLOWING

EXHAUST FAN #1 – UTILITY TYPE; BELT DRIVEN, RATED @ 800 CFM, ⅜" STATIC PRESS. @ 951 RPM - 2 SPEED W/ ½ HP - 120V/1 POLE MOTOR. FAN BY GREENHECK MODEL SF8-9 W/ BOTTOM HORIZ. DISCHARGE. INTERLOCK TO RUN ON OCCUPIED CYCLE. (SEE SPEC.) NOTE: INSTALL FAN PRIOR TO INSTALLING REVISED DUCTWORK. FOR FITTING INTO SPACE (800 CFM HIGH SPEED / 525 CFM ON LOW SPEED).

GAS FIRED MAKE-UP AIR UNIT #1 – GAS FIRED FURNACE RATED @ 125 MBH LPG INPUT, 100 MBH OUTPUT, 1680 CFM @ .5" STATIC PRESS., ¾ HP - 120V/1 POLE MOTOR W/ 4 MIN. SPEED SETTINGS WIRED TO MH SETTING. FURNISH W/ VENT, DAMPER & FILTER. UNIT BY THERMO PRIDE. HIGHBOY SECTIONAL GAS FURNACE MODEL NO. IHA-125 (SEE SPEC.).

SECTION 'A' - 'A'

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



SECTION 'B' - 'B'

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

H&V LEGEND	
[N]	NEW
[E]	EXISTING
	EXISTING TO BE [illegible]
	TRANSFER GRILLE
H	POINT OF CONNECTION
	AIR SUPPLY
	AIR EXHAUST
VD	VOLUME DAMPER
MD	MOTORIZED DAMPER
AFF	ABOVE FINISH FLOOR
'ER'	EXAUST REGISTER
'SR'	SUPPLY DAMPER

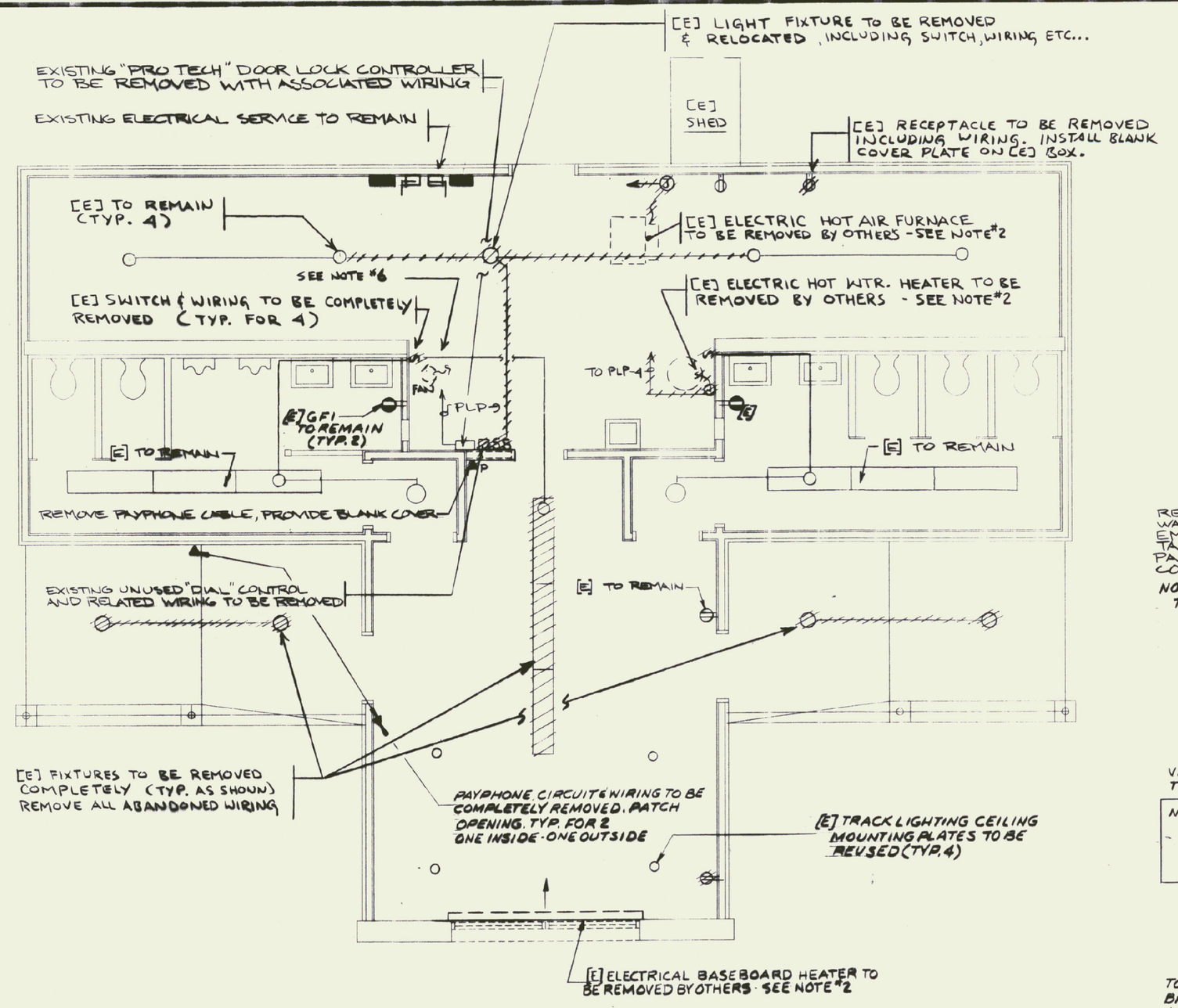
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STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

REST AREA REHABILITATION
GEORGIA - I-89 SOUTHBOUND
HEATING & VENTILATING – DEMOLITION & RENOVATION FLOOR PLANS & DETAILS

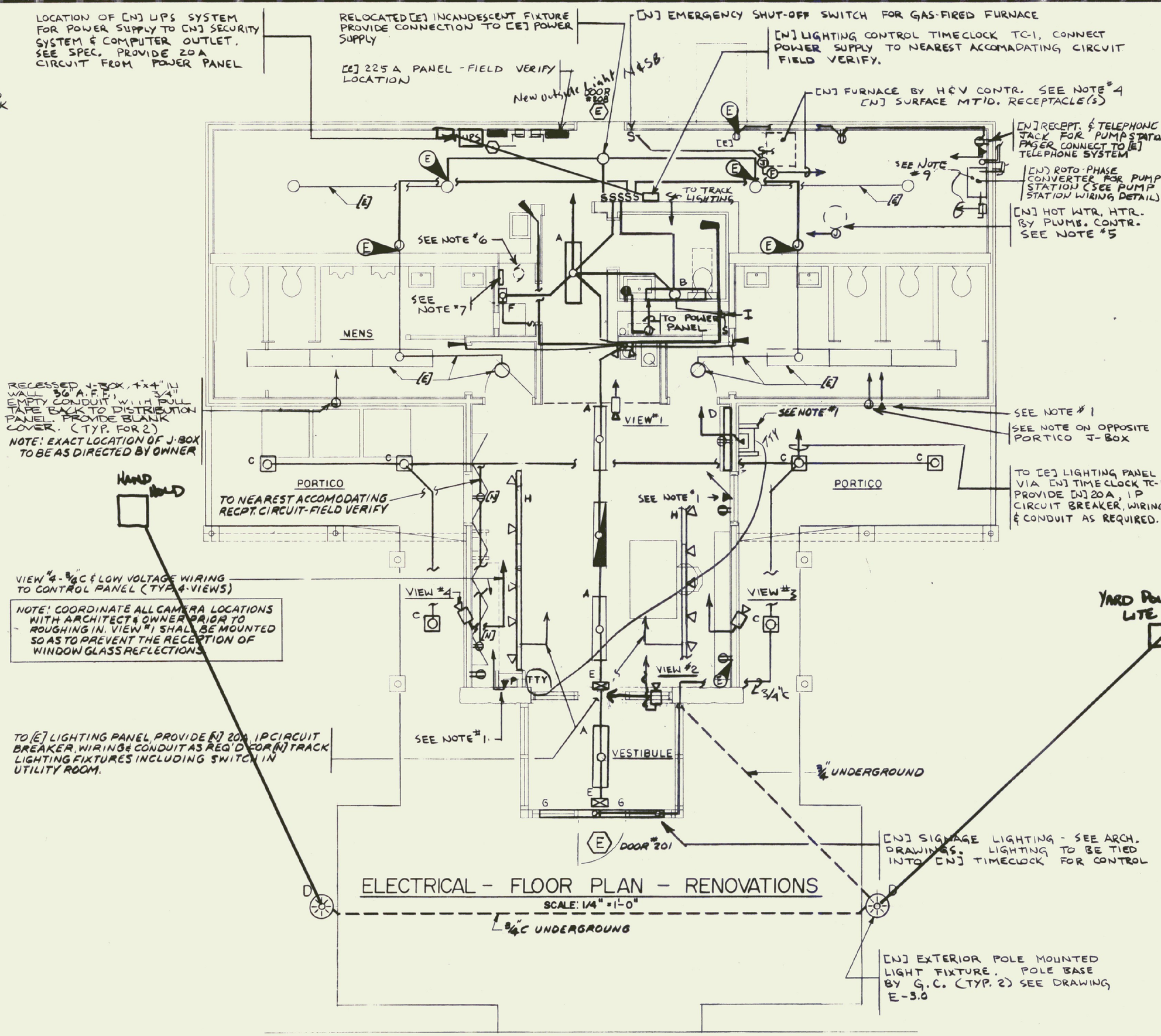
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8-21-98	1/4"=1'-0"		H– 2.0
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BRUCE E. LAURENCE No. 3448 REGISTERED PROFESSIONAL ENGINEER VERMONT



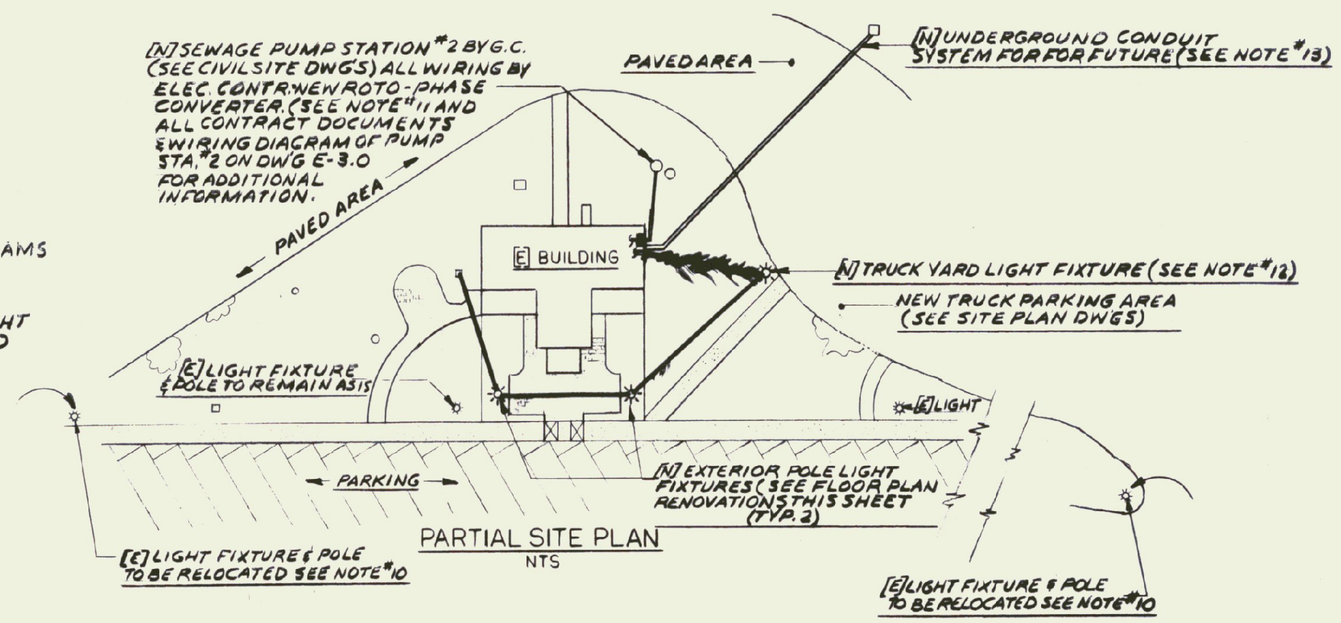
ELECTRICAL - FLOOR PLAN - EXISTING CONDITIONS

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



ELECTRICAL - FLOOR PLAN - RENOVATIONS

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



PARTIAL SITE PLAN

NTS

NOTES

1. The [illegible] contractor shall coordinate with the Owner before [illegible] outlet boxes and conduit to determine the exact [illegible] requirements of each telephone outlet box. These heights vary depending on the actual equipment purchased by the Owner for individual type and ADA requirements of each phone [illegible]. The Owner shall inform the Electrical Contractor in a timely manner to avoid any work stoppages or delays as to the exact [illegible] characteristics of the equipment to be used.
2. The Electrical Contractor shall disconnect one [1] electric baseboard heater in the Lobby Area, one [1] electric unit heater in the [illegible], one [1] electric hot air furnace in Utility Room and one [illegible] electric hot water heater in Utility Room.
3. Electrical Contractor shall remove all abandoned wiring and conduits wherever possible. Field verify. See existing heater locations. Electric heat in existing [illegible] Women's Rooms to remain in place. The Heating [illegible] shall be responsible for the removal of [illegible] electric baseboard radiation.
4. All new [illegible] conduit and wiring shall be run concealed. When [illegible] coordinate with the Architect and Engineer before [illegible].
5. Provide [illegible] service switch, Fire-O-Matic, conduit and connections to new gas-fired furnace. Provide new 20 amp single pole breaker in abandoned electric furnace breaker [illegible] wiring and conduit to service new furnace, [illegible] and new wall mount temperature control thermostat. [illegible] wiring only. All temperature control wiring by HV Contractor. See Specification.
6. Provide power wiring, conduit and connection to new gas-fired hot water heater. Provide new 20 amp single pole breaker in panel abandoned electric hot water heater breaker position. See Specification.
7. The Electrical Contractor to disconnect power supply to exhaust fan and [illegible] to new exhaust fan. (Fan by HV Contractor). Coordinate with HV Contractor.
8. The Electrical Contractor to relocate [E] surveillance door control to [illegible] Room. Provide power from [N] UPS System and the [illegible] power panel. [See Specification]
9. The Electrical Contractor shall, at the completion of all work, verify all connections, loads to power and lighting panels as to circuit breaker numbers and fill out a new, accurate panel schedule for each panel which has been affected by the work under this Contract.
9. THE ELECTRICAL CONTRACTOR TO FURNISH & PROVIDE ALL POWER & ALARM WIRING TO [N] SUBMERSIBLE SEWER PUMP STA. W/ [N] PHASE CONVERTER FOR 7 1/2 HP - 3 PHASE MOTORS. COORDINATE W/ G.C. ON EXACT MOTOR VOLTAGE & REQUIREMENTS. SEE CIVIL & ARCH. PLANS FOR LOCATION & ADDITIONAL INFORMATION & CONTRACT DOCUMENTS, ALSO SEE WIRING DIAGRAM ON DWG E-3.0 PUMP STA. #2
10. Disconnect and remove [E] light pole wiring and conduit for light relocation. Light fixture to be relocated by Electrical Contractor with [N] #10 wires from [E] C/B through [E] and [N] conduits sealed. Concrete bases by General Contractor.
11. SEE DWG E-3.0 FOR LEGEND, SCHEDULE WIRING DIAGRAMS AND DETAILS.
12. ELEC. CONTR. TO FURNISH & INSTALL [N] TRUCK YARD LIGHT FIX. TYPE J W/ NEW #10 WIRES IN 3/4"C BURIED, SEALED CONDUIT TO [N] 20A C/B IN [E] LIGHTING PANEL. CONCRETE BASE BY G.C.
13. ELEC. CONTR. TO FURNISH & INSTALL (2) - 2" UNDERGROUND EMPTY CONDUIT SYSTEMS FROM INSIDE [E] BLDG TO OPPOSITE SIDE OF [N] TRUCK YARD W/ STEEL PIPE MONUMENT W/ PULL STRINGS

RECORD DRAWING

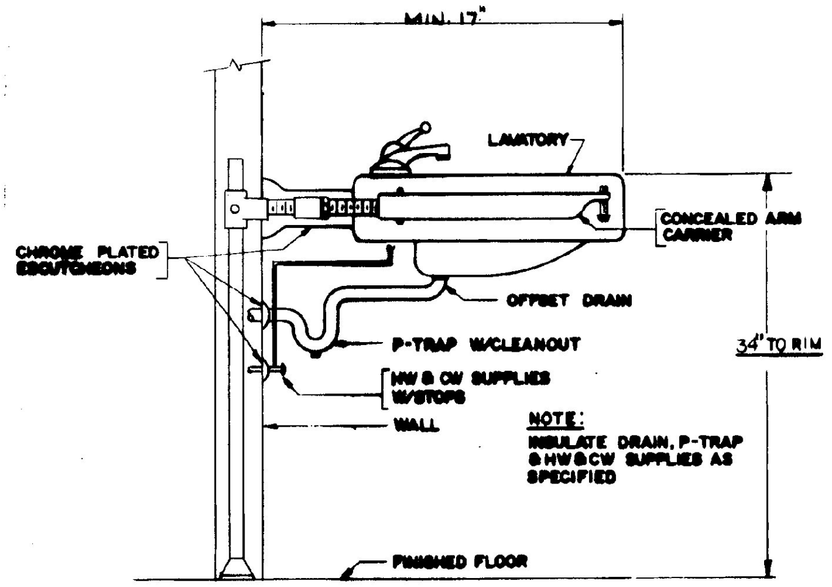
STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

REST AREA REHABILITATION
GEORGIA I-89 SOUTHBOUND
ELECTRICAL - FLOOR PLAN - EXISTING CONDITIONS & RENOVATIONS

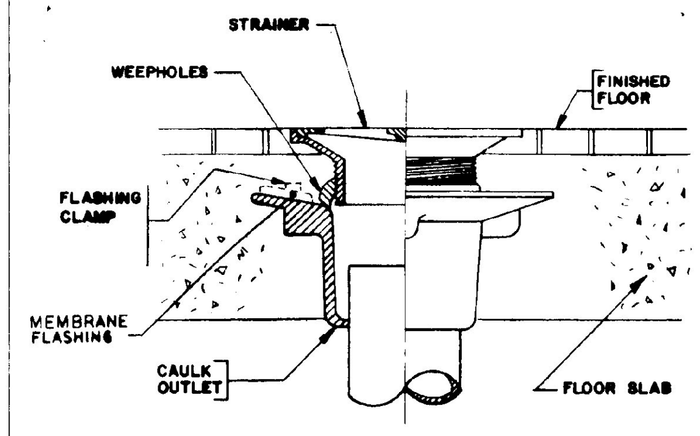
DATE:	SCALE:	REVISIONS	DRAWING NO:
8-21-98	1/4"=1'-0"		E-2.0
DRAWN BY: DG	APPROVED BY: NFL 779C	DRAWING NAME: ELECTRICAL FLOOR PLANS	SHEET: ___ OF ___

STATE OF VERMONT · NEALE T. LAURENCE · No. 3448 · REGISTERED PROFESSIONAL ENGINEER

Poor Quality
Poor Quality
Poor Quality



HANDICAPPED LAVATORY MOUNTING DETAIL
NOT TO SCALE



FLOOR DRAIN DETAIL
NOT TO SCALE

PLUMBING FIXTURE & RUNOUT SCHEDULE

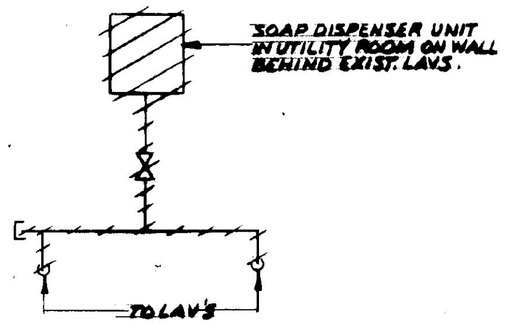
MARK	FIXTURE	DESCRIPTION	COLD WATER	HOT WATER	WASTE	VENT
P-1A		WATER CLOSET (HANDICAP USE) (REG.USE)	1 1/4"		4"	2"
P-2A		LAVATORY-WALL HUNG (HANDICAP USE)	1/2"	1/2"	1 1/2"	1 1/2"
P-3A		DOUBLE WATER COOLER (REG & HANDI)	1/2"		(2) 1 1/2"	(2) 1 1/2"

PLUMBING LEGEND

SYMBOLS USED ARE INDICATED BY A CHECK (✓)

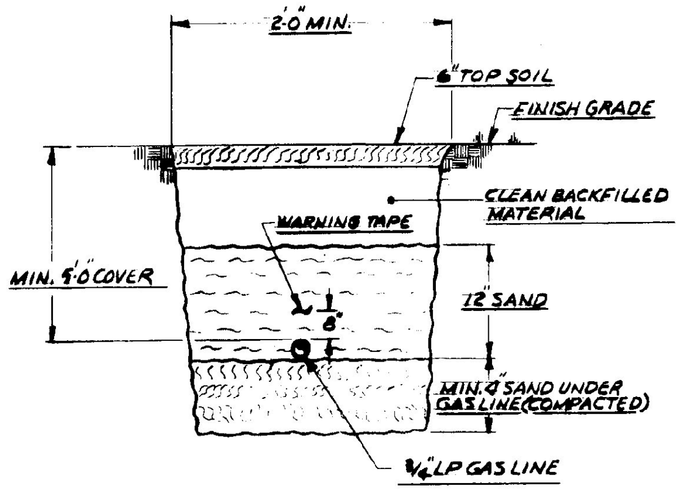
✓		SANITARY OR WASTE LINE (ABOVE GROUND)
✓		SANITARY OR WASTE LINE (BELOW GROUND)
	ST	STORM LINE (ABOVE GROUND)
	ST	STORM LINE (BELOW GROUND)
✓	G	GAS LINE (LPG)
	A	COMPRESSED AIR LINE
	F	FIRE LINE
✓		VENT LINE (ABOVE GROUND)
✓		VENT LINE (BELOW GROUND)
✓		COLD WATER LINE (ABOVE GROUND)
		COLD WATER LINE (BELOW GROUND)
✓		HOT WATER LINE
		HOT WATER RECIRCULATING LINE
✓	C.O.	CLEAN OUT
✓	F.C.O.	FLOOR CLEAN OUT
✓	WH (OR) HB	WALL HYDRANT OR HOSE BIBB
		GLOBE VALVE
✓		CHECK VALVE
✓		BALL VALVE
✓		FLOOR DRAIN WITH TRAP
✓	N	NEW
✓	E	EXISTING
✓	P N	POINT OF [N] PLUMBING CONNECTION TO [E]
✓	SAN.	SANITARY LINE
	ST.	STORM LINE
✓	V.	VENT LINE
✓	W.	WASTE LINE
✓	T.	TRAP
	R.D.	ROOF DRAIN
	R.L.	ROOF LEADER
✓		[E] TO BE REMOVED

NOTES:
1. REMOVE [E] SOAP DISPENSER SYSTEM COMPLETELY IN BOTH MENS AND WOMENS ROOM. SEE SPEC.
2. FURNISH & INSTALL COCK-HOLE COVERS IN [E] LAVATORY(S) OPENINGS.

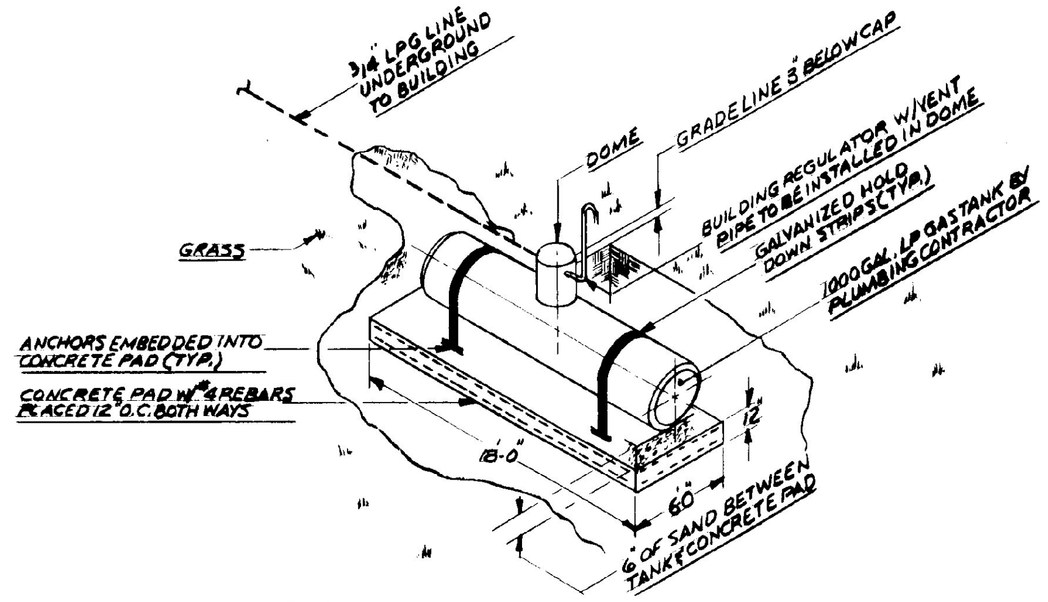


EXISTING SOAP DISPENSER-DEMOLITION
NTS

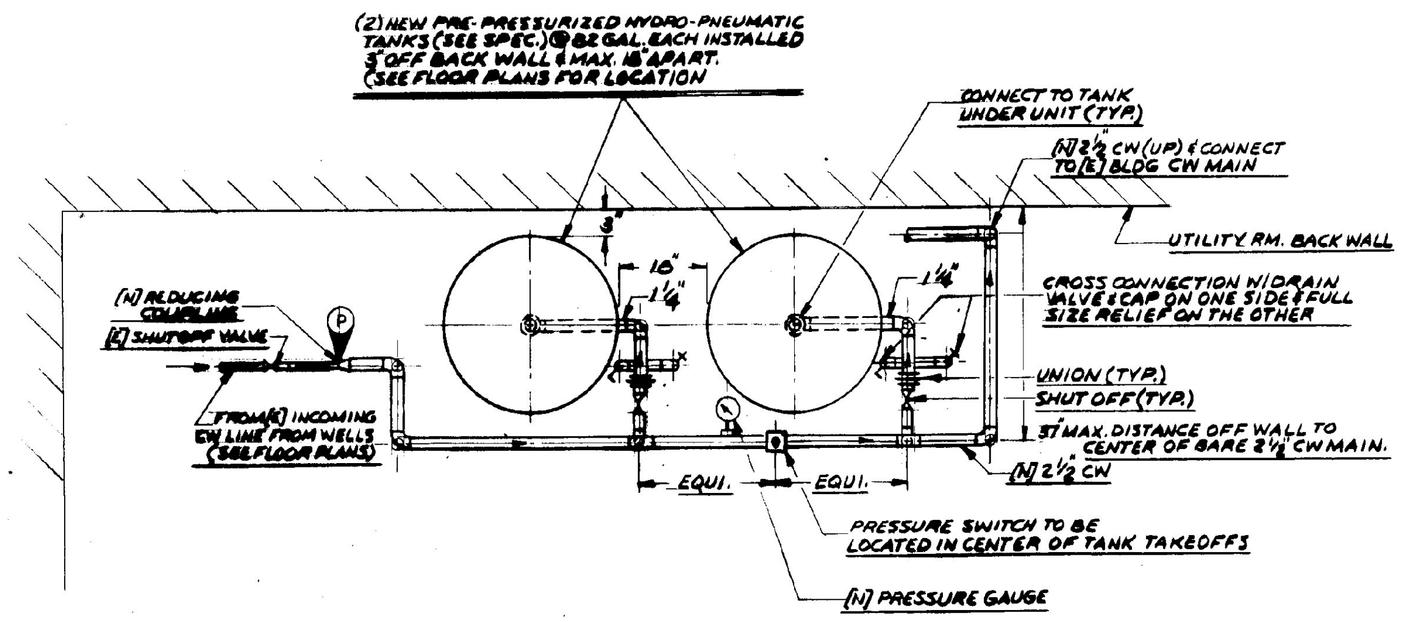
NORTHBOUND ONLY



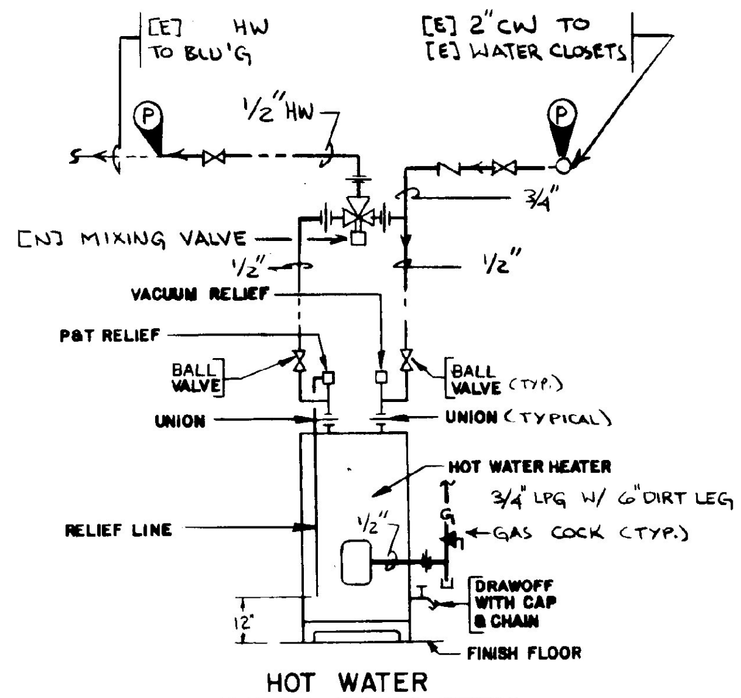
TRENCH DETAIL-GAS LINE
NTS



LP GAS TANK DETAIL
NTS



NEW INCOMING WELL WATER STORAGE CONTROL SYSTEM
NTS



HOT WATER HEATER PIPING DETAIL
NOT TO SCALE

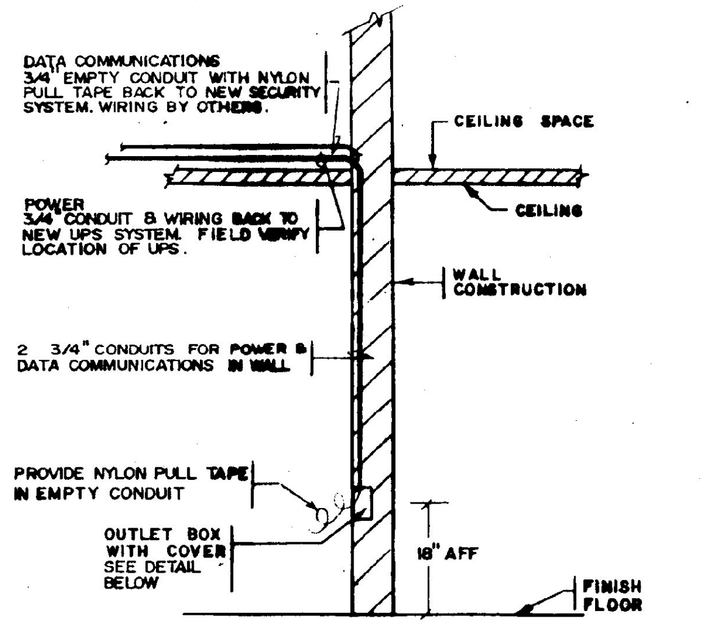
RECORD DRAWING

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

REST AREA REHABILITATION
GEORGIA I-89
NORTH & SOUTHBOUND

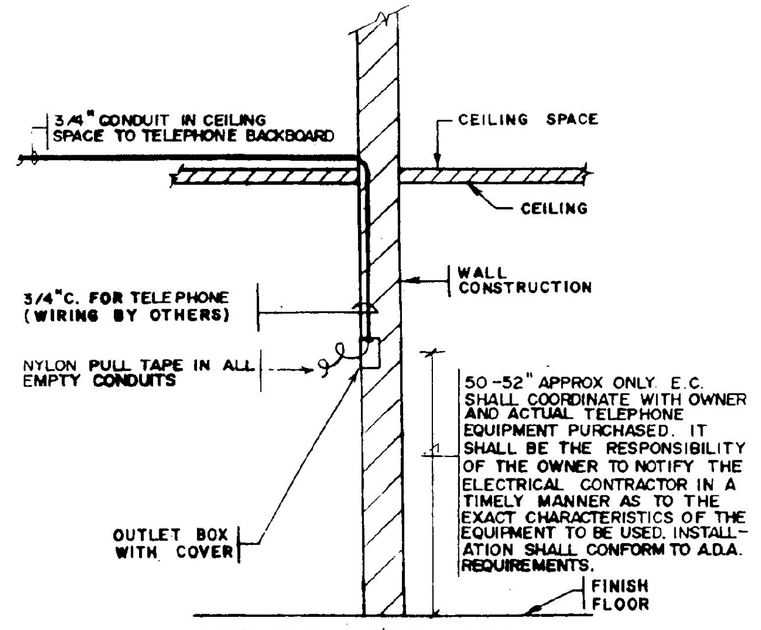
DATE: 8-21-98	SCALE:	REVISIONS:	DRAWING NAME: PLUMBING LEGEND DETAILS
DRAWN BY: DG	PROJECT NO.		DRAWING NO: P-3.0
CHECKED BY: NFL 779AC			

KENNETH F. LAURENCE No. 3448 REGISTERED PROFESSIONAL ENGINEER



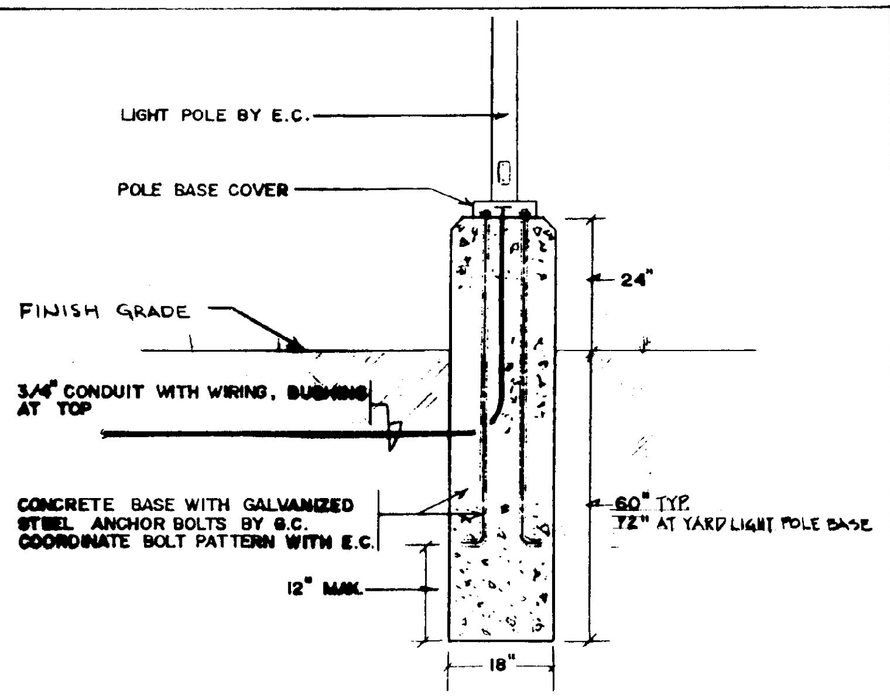
COMPUTER TERMINAL OUTLET DETAIL

NOT TO SCALE



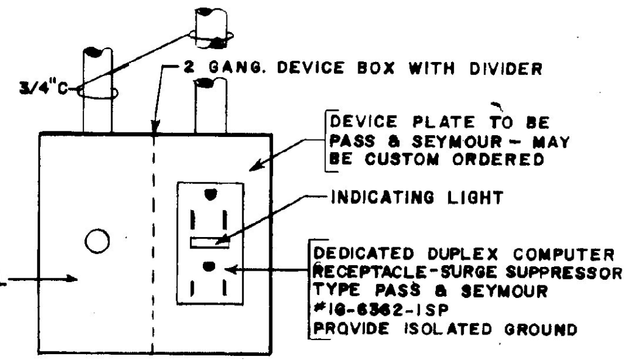
TELEPHONE OUTLET DETAIL

NOT TO SCALE



LIGHT POLE BASE DETAIL

NOT TO SCALE



⊙ → THIS SYMBOL WHERE SHOWN ON THE DRAWINGS, INCLUDES ALL ITEMS INDICATED ON THIS DETAIL. A DUPLEX RECEPTACLE SYMBOL SHOWN ADJACENT TO THE COMPUTER TERMINAL/RECEPTACLE SYMBOL (ABOVE) INDICATES AN ADDITIONAL, SEPARATE DUPLEX OUTLET

COMPUTER TERMINAL/RECEPTACLE DETAIL

NOT TO SCALE

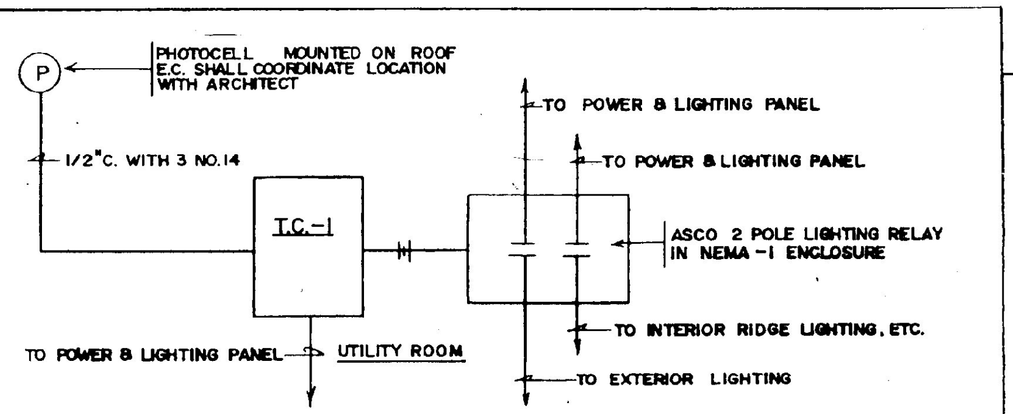
LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & DESCRIPTION	LAMPS WATT.	LAMPS TYPE	MOUNTING	FINISH	REMARKS
A	LOBBY NEWSTAR VANDALPROOF NO. 54-142	2-32	F-32 T-8 RS	SURFACE	WHITE	PROVIDE TAMPERPROOF SCREWS
B	HANDICAPPED TOILET RM. NEWSTAR VANDALPROOF CORNER NO. 54-142/45	2-32	F-32 T-8 RS	SURFACE/ CORNER MT.	WHITE	PROVIDE TAMPERPROOF SCREWS
C	PORTICO/CANOPY FAILSAFE NO. HDR-100M-120-93-8-SSP C1-ADD SUFFIX QRS	1-100	100 MSO MED	RECESSED	COORDINATE WITH ARCH.	PROVIDE TAMPER PROOF SCREWS. FIXTURE C1 TO BE QUARTZ RESTRIKE
D	POLE MOUNTED LIGHT LITHONIA HI-TEK NO. KASI-250M-R4-120-SP12 QRS, POLE-SSS-16-125-DM19	1-250	250 MH	POLE-16'	COORDINATE WITH ARCH.	PROVIDE QUARTZ RESTRIKE
E	EXIT SIGN FAILSAFE NO. EXF-1-RW-120-EBP	2-9	9W PL BIAX	SURFACE COORDINATE WITH ARCH.	WHITE WITH RED LETTERS	INTEGRAL EMERGENCY BATTERY PACK TAMPERPROOF SCREWS
F	CLOSET LIGHT FAILSAFE FBO-14-120	2-7	7W PL BIAX	WALL 6'-6" A.F.F.	OPAL WHITE	
G	SIGNAGE LIGHTING DAYBRITE 4' STRIP T148HO-LT20	60	60W 800MA LOW TEMP	SEE ARCH. DETAILS	WHITE	PROVIDE LOW TEMP (-20°) SIGN TYPE LAMP AND BALLASTS
H	TRACK LIGHTING PROGRESS N° P6254-10	75	75W PAR 16	CEILING SUSPENDED	WHITE	PROVIDE WHITE TRACKS (3)-4' TRACKS W/ 5 HEADS.
I	PASS & SEYMOUR LAMP HOLDER NO. 1AB17	60	60W I	WALL 7'-6" A.F.F.	—	MTD IN PLB'S CHASE WALL W/ LIGHT SWITCH INSTALL 48" A.F.F
J	POLE MOUNTED LIGHT G.E. STREET LIGHT TYPE M	250	250 MER.	POLE 25' FIELD VERIFY TO EXIST.	SAME AS EXISTING	

ELECTRICAL LEGEND

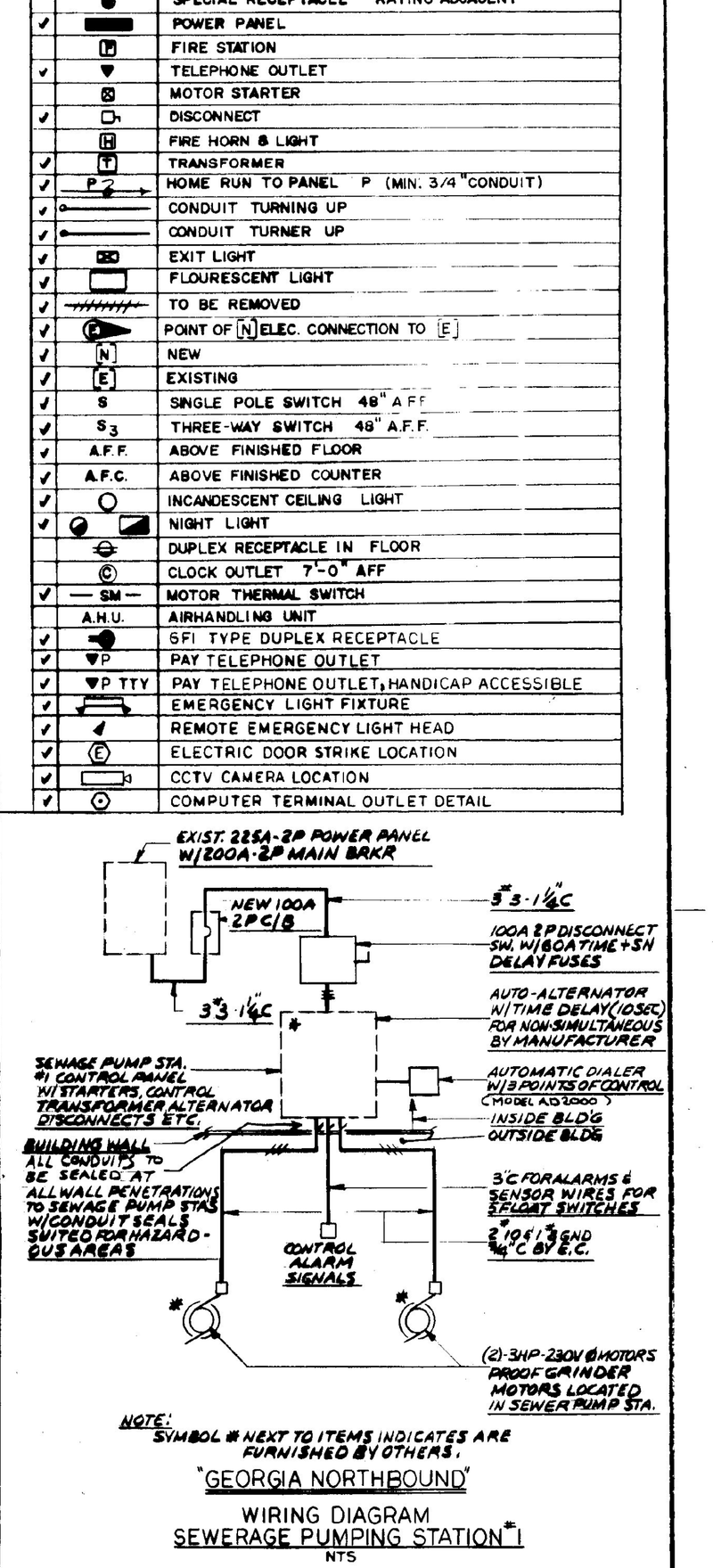
SYMBOLS USED ARE INDICATED BY A CHECK

✓	J	JUNCTION BOX
		SINGLE RECEPTACLE 18" A.F.F.
✓		DUPLEX RECEPTACLE 18" A.F.F.
		QUAD. RECEPTACLE 18" A.F.F.
		SPECIAL RECEPTACLE RATING ADJACENT
✓		POWER PANEL
	F	FIRE STATION
✓		TELEPHONE OUTLET
		MOTOR STARTER
✓		DISCONNECT
	H	FIRE HORN & LIGHT
✓	T	TRANSFORMER
✓	P	HOME RUN TO PANEL P (MIN. 3/4"CONDUIT)
✓		CONDUIT TURNING UP
✓		CONDUIT TURNER UP
✓		EXIT LIGHT
✓		FLOURESCENT LIGHT
✓		TO BE REMOVED
✓	P	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
	C	CLOCK OUTLET 7'-0" AFF
✓	— SM —	MOTOR THERMAL SWITCH
	A.H.U.	AIRHANDLING UNIT
✓		GFI TYPE DUPLEX RECEPTACLE
✓	P	PAY TELEPHONE OUTLET
✓	P TTY	PAY TELEPHONE OUTLET, HANDICAP ACCESSIBLE
✓		EMERGENCY LIGHT FIXTURE
✓		REMOTE EMERGENCY LIGHT HEAD
✓	E	ELECTRIC DOOR STRIKE LOCATION
✓		CCTV CAMERA LOCATION
✓		COMPUTER TERMINAL OUTLET DETAIL



TIMECLOCK T.C.-1 DETAIL — INTERIOR & EXTERIOR LIGHTING

NOT TO SCALE

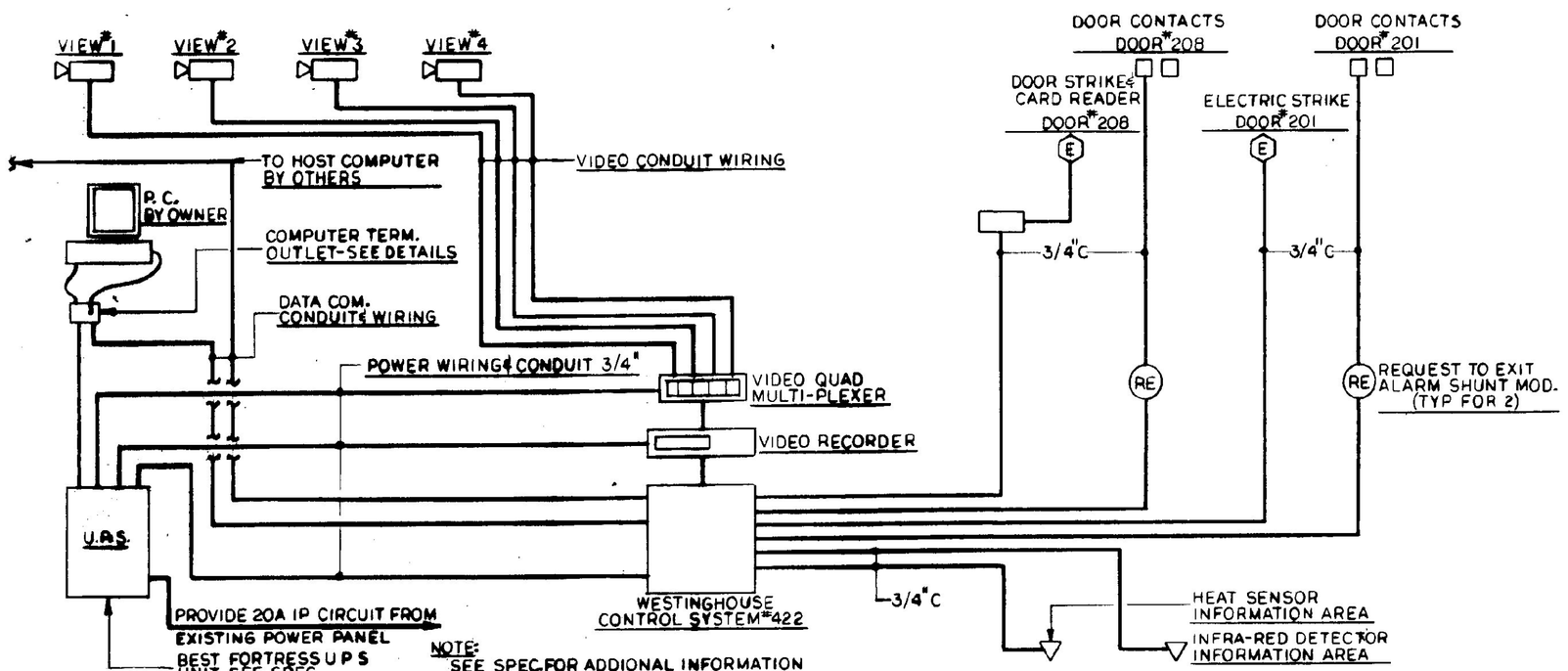


NOTE: SYMBOL # NEXT TO ITEMS INDICATES ARE FURNISHED BY OTHERS.

"GEORGIA NORTHBOUND"

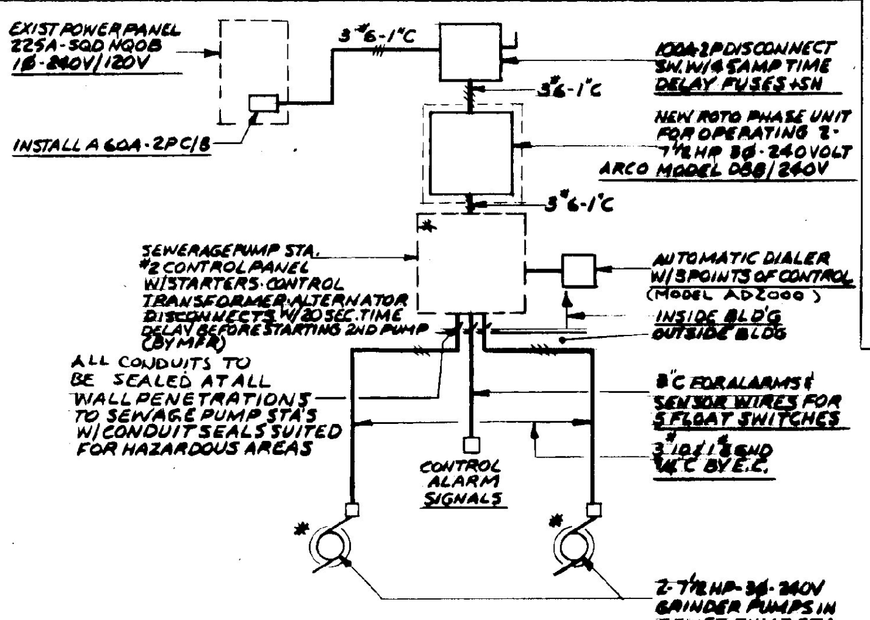
WIRING DIAGRAM
SEWERAGE PUMPING STATION #1

NTS



PROXIMITY ACCESS CONTROL SYSTEM-ONE LINE DIAGRAM

NTS



NOTE: SYMBOL # NEXT TO ITEMS INDICATES ARE FURNISHED BY OTHERS.

"GEORGIA SOUTHBOUND"

WIRING DIAGRAM
SEWERAGE PUMPING STATION #2

NTS

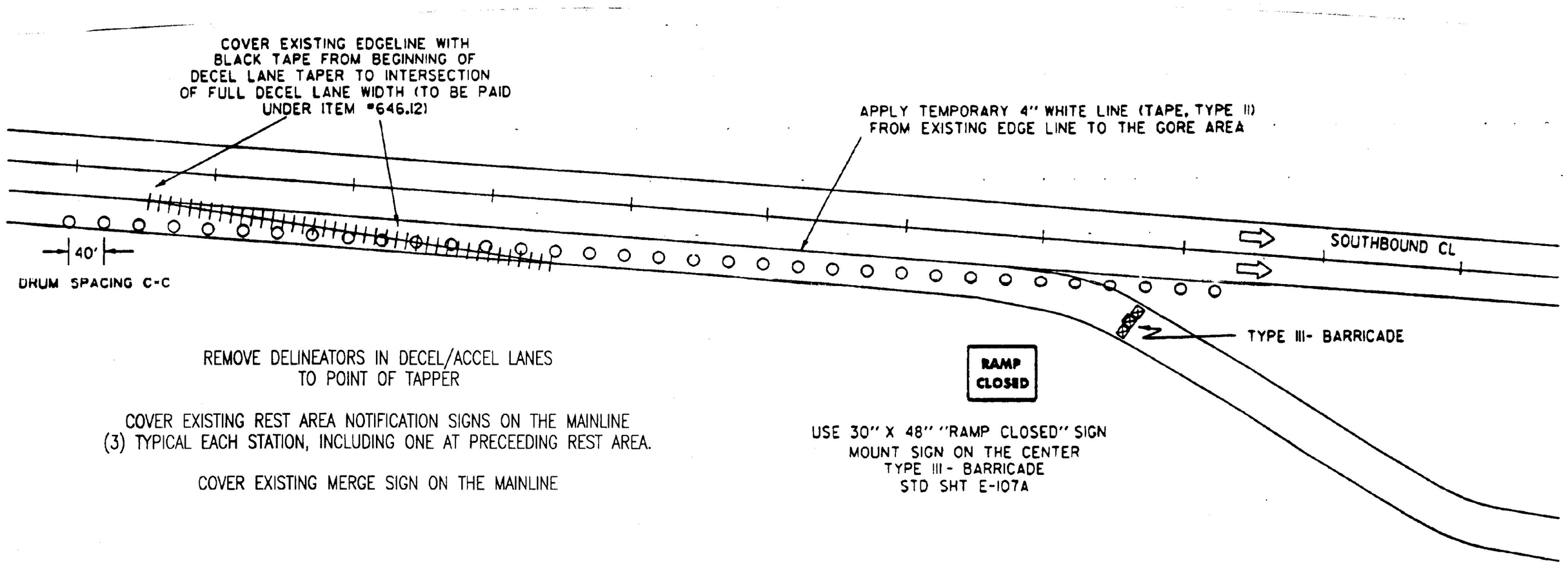
STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

REST AREA REHABILITATION
GEORGIA I-89
NORTH & SOUTHBOUND
RECORD DRAWING

DATE: 8-21-98	SCALE: 1/4"=1'-0"	REVISIONS:	DRAWING NO: E - 3.0
DRAWN BY: DG	APPROVED BY: NFL 7794/c	DRAWING NAME: ELECTRICAL LEGEND, DET.	SHEET: ___ OF ___

Neil F. Lawrence — State of Vermont — No. 3448 — Registered Professional Engineer

AS BUILT
DATE: 7/21/99



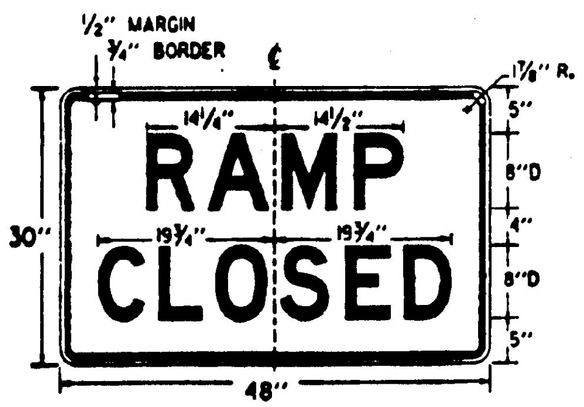
REMOVE DELINEATORS IN DECEL/ACCEL LANES TO POINT OF TAPPER

COVER EXISTING REST AREA NOTIFICATION SIGNS ON THE MAINLINE (3) TYPICAL EACH STATION, INCLUDING ONE AT PRECEEDING REST AREA.

COVER EXISTING MERGE SIGN ON THE MAINLINE

USE 30" X 48" "RAMP CLOSED" SIGN
MOUNT SIGN ON THE CENTER
TYPE III - BARRICADE
STD SHT E-107A

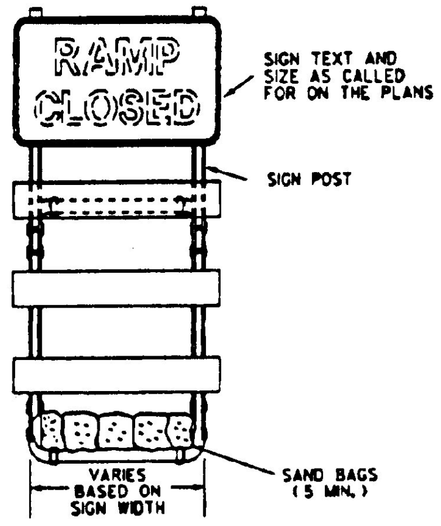
NTS



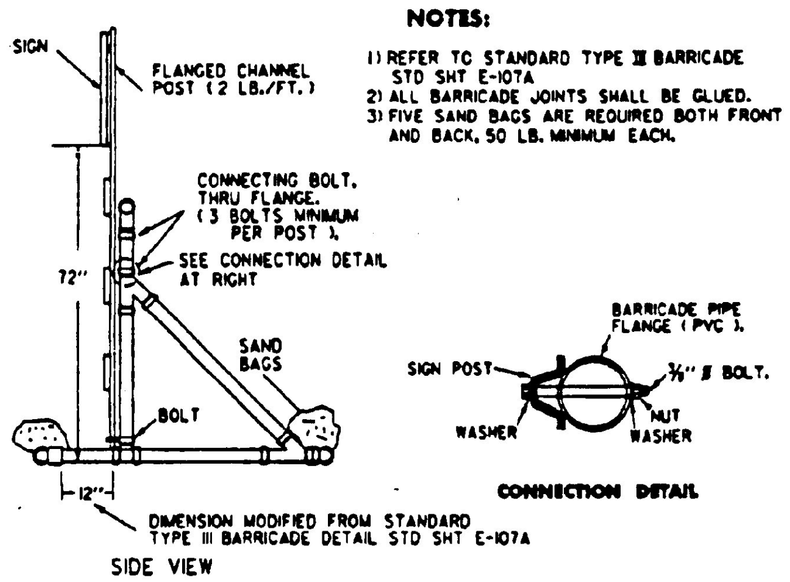
COLORS:
BLACK TEXT AND BORDER
WHITE REFLECTORIZED BACKGROUND

SEE STANDARD SHEET E-100 FOR NOTES AND TEXT DETAILS

SIGN DETAILS INDICATE THE APPROPRIATE COLOR.



SIGN MOUNTING ON TYPE III BARRICADE



NOTES:

1) REFER TO STANDARD TYPE III BARRICADE STD SHT E-107A
2) ALL BARRICADE JOINTS SHALL BE GLUED.
3) FIVE SAND BAGS ARE REQUIRED BOTH FRONT AND BACK, 50 LB. MINIMUM EACH.

LEGEND

- ○ - CHANNELIZING DRUM
- ⊠ - TYPE III BARRICADES
- ⇧ - INDICATES TRAFFIC DIRECTION
- ++++ - REMOVAL OF EXISTING PAVEMENT MARKINGS

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

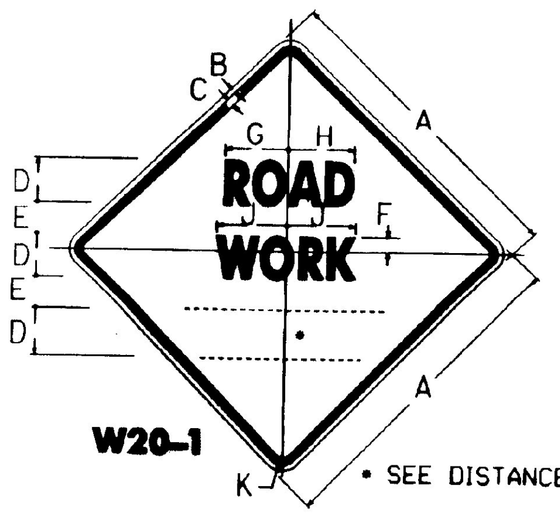
GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	N.T.S.		TEMPORARY RAMP CLOSURE
DRAWN BY:	PROJECT NO.		DRAWING NO:
CHECKED BY:	IM 089-3 (30)		TRC-1

SHEET ___ OF ___

C:\PROJECTS\ADA\GEORG-...\RAMPCLOS Tue Aug 18 11:02:25 1998 Plotter By: Michael S Simanskas

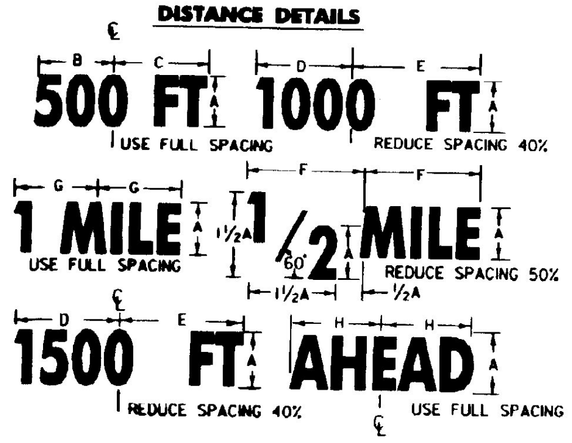
AS BUILT
DATE: 7/21/98



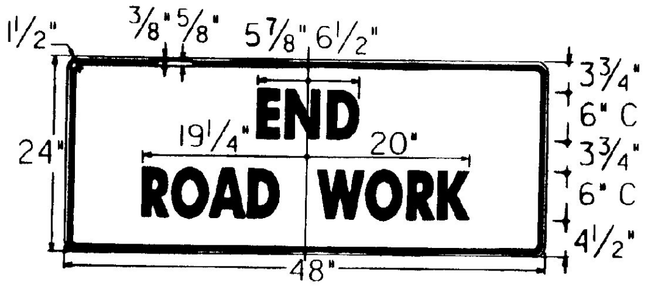
W20-1 • SEE DISTANCE DETAILS

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	J	K
MIN.	30	1/2	3/4	40	2 1/2	2 5/8	6 3/4	7	7 3/16	1 3/8
STD.	36	5/8	7/8	50	3 1/2	3 1/4	8 3/8	8 3/8	9	2 1/4
SPECIAL	48	3/4	1 1/4	70	4 3/4	4 1/2	11 5/8	12 3/8	12 5/8	3

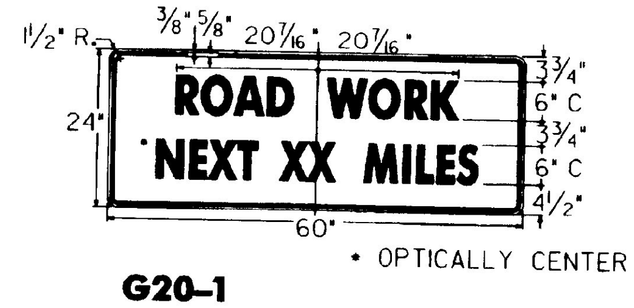
DISTANCE DETAILS



DIMENSIONS (INCHES)							
A	B	C	D	E	F	G	H
4D 8 1/8	8 5/8	8 1/2	9	9	7 3/16	8 5/16	
5D 10 3/16	10 3/16	11 5/16	11 1/4	11 1/4	9 1/2	10 7/8	
7D 14 1/4	15 1/8	14 7/8	15 3/4	15 3/4	13 1/16	15 1/2	



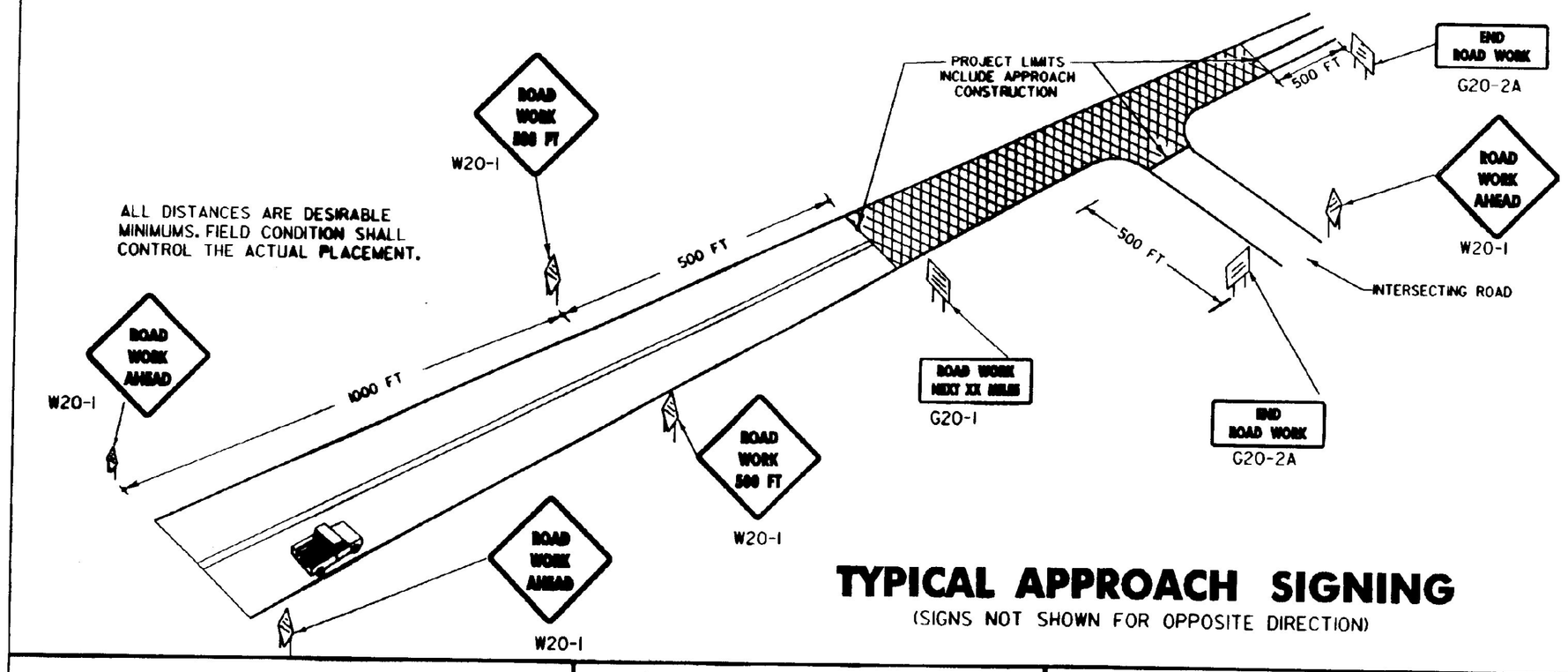
G20-2A



• OPTICALLY CENTER

G20-1

THIS SIGN TO BE USED WHEN PROJECT LENGTH EXCEEDS 2 MILES OR AS REQUESTED BY THE RESIDENT ENGINEER. SHOW MILEAGE TO NEAREST 1/4 MILE USING FRACTIONS, NOT DECIMALS. HAND LETTERING OF MILEAGE WILL NOT BE ALLOWED.



TYPICAL APPROACH SIGNING
(SIGNS NOT SHOWN FOR OPPOSITE DIRECTION)

NOTES

THE SIGNS SHOWN ON THIS SHEET ARE INTENDED FOR USE IN PROVIDING ADVANCE WARNING AND INFORMATION ON CONSTRUCTION PROJECTS OVER WHICH TRAFFIC WILL BE MAINTAINED. WHEN ADDITIONAL APPROACH SIGNS OR OTHER TYPES OF ADVANCE SIGNING OR CONTROL ARE NECESSARY, THE PLANS AND\OR THE SPECIFICATIONS FOR THAT PROJECT WILL GIVE THE DETAILS OF THE SIGNS AND DEVICES REQUIRED. FOR ON-PROJECT CONSTRUCTION SIGNS, REFER TO APPROPRIATE STANDARD SHEETS.

APPLICATION OF STANDARDS

SINCE IT IS NOT POSSIBLE TO PRESCRIBE DETAILED STANDARDS OF APPLICATION FOR ALL OF THE SITUATIONS THAT MAY CONCEIVABLY ARISE ON A CONSTRUCTION PROJECT, REFERENCE SHALL BE MADE TO THE ''MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES'', FOR THE PRINCIPLES, PROCEDURES, AND STANDARDS THAT WILL BE REQUIRED IN CONNECTION WITH ADVANCED WARNING AND ON-PROJECT CONSTRUCTION SIGNS AND BARRICADES. THE SIGNS SHOWN IN E-101 AND E-102 REPRESENT A SAMPLE OF THOSE MORE COMMONLY USED.

LOCATION

THE SIGNS SHALL BE LOCATED AS DETAILED ON THIS SHEET OR AS OTHERWISE SHOWN ON THE PLANS. THEY SHALL APPEAR AT EACH END OF THE HIGHWAY UNDER CONSTRUCTION AND ON ALL INTERSECTING PUBLIC HIGHWAYS. THE EXACT PLACEMENT OF ANY SIGN WILL DEPEND UPON THE ALIGNMENT INTENDED TO INDICATE THE SEQUENCE TO BE FOLLOWED, AND THE APPROXIMATE SPACING TO BE OBSERVED. THE ENGINEER SHALL DETERMINE THE EXACT LOCATIONS.

DESIGN

LETTERS, DIGITS, ARROWS, SPACING AND TEXT DIMENSIONS SHALL CONFORM WITH THE 'STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS' AND DESIGNS PRESCRIBED IN THE STANDARD HIGHWAY SIGNS AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMIN.

MATERIALS

THE SIGN BASE MATERIAL USED FOR THE SIGNS ON THIS SHEET MAY BE ANY OF THE FOLLOWING, WITH MINIMUM THICKNESS AS NOTED.

FLAT SHEET ALUMINUM	0.125 INCHES
HIGH DENSITY OVERLAYED PLYWOOD	5/8 INCHES
GALVANIZED SHEET STEEL	12 GAGE

REFLECTORIZATION

ALL REFLECTORIZED MATERIAL SHALL CONSIST OF TYPE IIB OR TYPE III SHEETING.

COLORS

THE COLORS SHALL CONFORM WITH THE STANDARD COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICALS AND APPROVED BY THE U.S. DEEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. COLORS SHOWN ON THIS SHEET CONSIST OF BLACK TEXT AND BORDER ON A REFLECTORIZED ORANGE BACKGROUND.

INSTALLATION

THE SIGNS SHALL BE ERECTED BEFORE THE START OF ANY WORK AND SHALL BE COVERED UNTIL WORK COMMENCES, DURING PERIODS OF INACTIVITY, OR UPON COMPLETION OF THE WORK. SIGNS MAY BE REMOVED UPON COMPLETION OF THE WORK AT THE DISCRETION OF THE ENGINEER. EACH SIGN SHALL BE ERECTED IN A NEAT AND WORKMANLIKE MANNER ON POSTS SET SECURELY IN THE GROUND. THE BOTTOM OF A SIGN SHALL BE AT LEAST 7 FEET ABOVE THE EDGE OF PAVEMENT, AND THE NEAREST EDGE OF A SIGN SHALL BE AT LEAST 6 FEET OUTSIDE THE SHOULDER POINT, 4 FEET OUTSIDE GUARD RAIL, OR 2 FEET OUTSIDE CURBING, OR SIDEWALK. THE INSTALLATION OF SIGNS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER. IN URBAN AREAS, THE BOTTOM OF THE SIGN SHALL BE AT LEAST 7 FEET ABOVE THE SIDEWALK.

NOTES CONT.

MAINTENANCE

SIGNS SHALL BE MAINTAINED IN A CLEAN AND LEGIBLE CONDITION SATISFACTORY TO THE ENGINEER. THEY SHALL BE COMPLETELY VISIBLE TO APPROACHING TRAFFIC AT ALL TIMES. THEY SHALL BE KEPT PLUMB AND LEVEL, AND ALWAYS PRESENT A NEAT APPEARANCE. DAMAGED, DEFACED, OR DIRTY SIGNS SHALL BE REPAIRED, CLEANED OR REPLACED AS ORDERED BY THE ENGINEER.

GENERAL

THE COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING ALL CONSTRUCTION APPROACH SIGNS WILL BE CONSIDERED SUBSIDIARY WORK PERTAINING TO THE PROJECT AS A WHOLE AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR VARIOUS ITEMS INVOLVED IN THE CONTRACT. DURING ALL PHASES OF CONSTRUCTION THE REQUIREMENTS SET FORTH IN THE ''MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES'' SHALL BE MET. WHEN THE PROJECT IS CLOSED DOWN FOR TEMPORARY PERIODS THE SIGNS SHALL BE COVERED IN A WORKMANLIKE MANNER.

SIGN COVERS

SIGN COVERS SHALL CONSIST OF A PANEL PAINTED FLAT BLACK, THE SAME SIZE AS THE SIGN IT COVERS. THE PANEL SHALL BE OF WOOD, PLYWOOD, HARDBOARD OR ANY MATERIAL SATISFACTORY TO THE ENGINEER. NO MATERIAL WILL BE APPROVED THAT WILL DETERIORATE BY EXPOSURE TO THE WEATHER DURING THE PROJECT. MOUNTING OF THE PANEL SHALL BE DONE IN SUCH A WAY AS NOT TO DAMAGE THE SIGN FACE MATERIAL.

CONTRACTORS SHALL COORDINATE THEIR SIGNING ACTIVITIES WITH OTHER CONTRACTORS WITHIN THE PROJECT LIMITS, AS DIRECTED BY THE REGIONAL CONSTRUCTION ENGINEER.

SIGN POSTS

WHERE CONSTRUCTION SIGN INSTALLATIONS ARE NOT PROTECTED BY GUARD RAIL OR OTHER APPROVED TRAFFIC BARRIERS, THE POSTS ON WHICH THE SIGNS ARE MOUNTED SHALL BE YIELDING METAL POSTS AS DESIGNATED IN THE E SERIES OF STANDARD DRAWINGS OR YIELDING WOODEN POSTS IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

WOODEN POSTS ARE ACCEPTABLE FOR USE WITH CONSTRUCTION SIGNS. THESE POSTS SHALL HAVE A UNIFORM CROSS-SECTION AND SHALL BE MADE FROM GRADE 2, AIR-DRIED SOFTWOOD SHALL HAVE AN EXTREME FIBER IN BENDING "Fb" DESIGN VALUE NOT TO EXCEED 1400 psi AND HORIZONTAL SHEAR "Fv" DESIGN VALUE NOT TO EXCEED 90 psi SPECIFICATION "DESIGN VALUES FOR WOOD CONSTRUCTION" AND RELATED SUPPLEMENT, DATED 1986.

AS ESTABLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION IN THEIR NATIONAL DESIGN THE FOLLOWING ARE CONSIDERED TO BE ACCEPTABLE WOODEN POSTS:

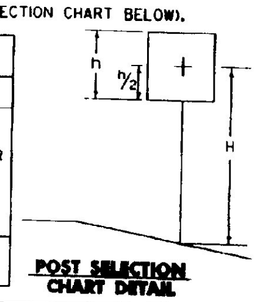
1. 4'' X 4'' (ACTUAL DIMENSIONS ARE 3.5'' X 3.5'')
   A) ACCEPTABLE FOR SINGLE OR DUAL POSTS INSTALLATION WITH NO MODIFICATIONS.
2. 4'' X 6'' (ACTUAL DIMENSIONS ARE 3.5'' X 5.5'')
   A) ACCEPTABLE FOR SINGLE POST INSTALLATIONS ONLY WHEN MODIFIED BY DRILLING TWO 1 1/2'' DIAMETER HOLES, ONE AT 4'' AND THE OTHER 18'' ABOVE THE GROUND LINE AND PERPENDICULAR TO THE ROADWAY CENTERLINE.
3. 6'' X 6'' (ACTUAL DIMENSIONS ARE 5.5'' X 5.5'')
   A) ACCEPTABLE FOR SINGLE POST INSTALLATIONS ONLY WHEN MODIFIED BY DRILLING TWO 2'' DIAMETER HOLES, ONE AT 4'' AND THE OTHER AT 18'' ABOVE THE GROUND LINE AND PERPENDICULAR TO ROADWAY CENTERLINE.
4. 6'' X 8'' (ACTUAL DIMENSIONS ARE 5.5'' X 7.5'')
   A) ACCEPTABLE FOR SINGLE POST INSTALLATIONS ONLY WHEN MODIFIED BY DRILLING TWO 3'' DIAMETER HOLES, ONE AT 4'' AND THE OTHER AT 18'' ABOVE THE GROUND LINE AND PERPENDICULAR TO THE ROADWAY CENTERLINE.

ADDITIONAL DESIGN CRITERIA:

THE LONGER DIMENSION OF THE POST(S), SUCH AS THE 6'' DIMENSION OF THE 4'' X 6'' POST, SHALL BE PLACED PARALLEL TO THE ROADWAY CENTERLINE.
ALL WOODEN POSTS SHALL HAVE AN EMBEDMENT DEPTH OF 4 FEET.
NO CROSS-BRACING OR BACK-BRACING TO KEEP THE POSTS PLUMB WILL BE ALLOWED.
CONCRETE FOUNDATIONS, COLLARS, OR SOIL BEARING PLATES ARE NOT PERMITTED.
CONSTRUCTION SIGNS SHALL BE PLACED ON TWO OR MORE POSTS WHEN ANY OF THE FOLLOWING CONDITIONS GOVERN:

A) THE SIGN WIDTH (HORIZONTAL DIMENSIONS FOR DIAMOND SHAPED SIGNS) EXCEEDS 3 1/2 FEET.
B) THE EXPOSED SIGN AREA OF ANY SINGLE SIGN OR ASSEMBLY EXCEEDS 12 1/2 SQ. FEET.
C) THE Sv OF A SINGLE POST IS EXCEEDED. (SEE THE POST SELECTION CHART BELOW).

WOOD POST SELECTION CHART		
SIGN AREA (FT^2) X HEIGHT (FT) $\leq$ Sv (SELECTION VALUE)		
POST SIZE	Sv	DESIGN CRITERIA:
4'' X 4''	64	WIND SPEED = 60 MPH (10-YEAR
4'' X 6''	147	MEAN OCCURENCE INTERVAL)
6'' X 6''	216	WIND PRESSURE = 13 psf
6'' X 8''	389	ALLOWABLE BENDING STRESS



POST SELECTION CHART DETAIL

OTHER STDS. REQUIRED:

REVISIONS AND CORRECTIONS

MAY 26, 1989 - DATE OF ORIGINAL ISSUE
OCT 21, 1992 - REVISED WOOD POST REQUIREMENTS, ADDED SIGN DETAILS, & REVISED TITLE BLOCK
AUG 08, 1995 - MINOR NOTE REVISIONS
JAN 06, 1997 - MINOR NOTE AND DIMENSION REVISIONS

APPROVED

DIRECTOR OF ENGINEERING

DIRECTOR OF CONSTRUCTION AND MAINTENANCE

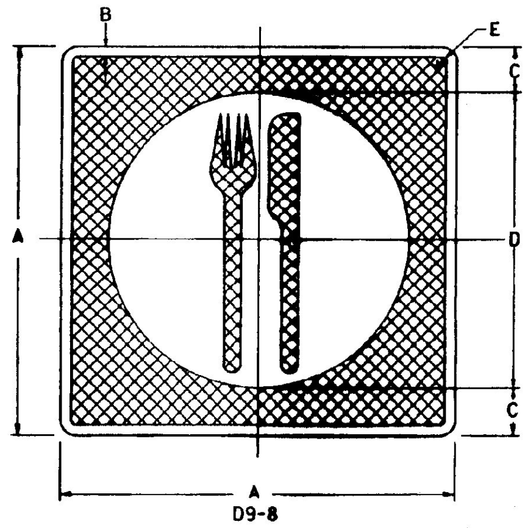
CONSTRUCTION APPROACH SIGNS

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VERMONT AGENCY OF TRANSPORTATION

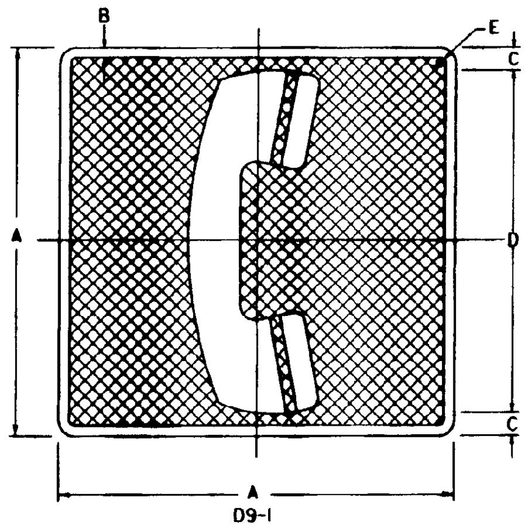
STANDARD
E-100

AS BUILTS
DATE: 7/21/99



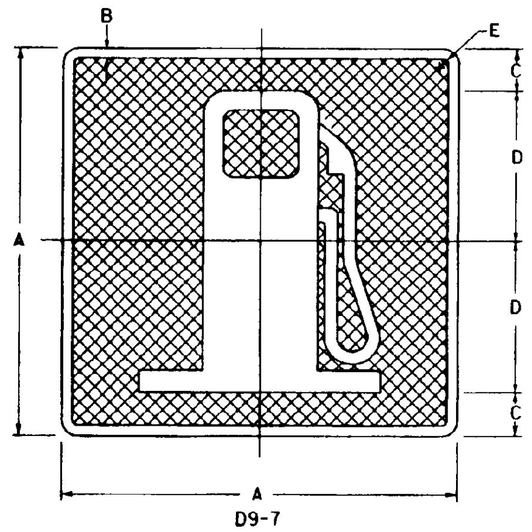
D9-8

SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1 1/2	15	1 1/2
STD	24	1/2	2	20	1 1/2
SPECIAL	30	3/4	2 1/2	25	1 7/8



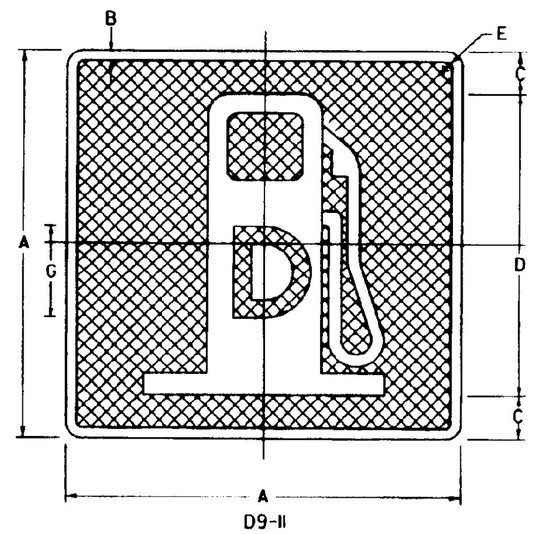
D9-1

SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1 1/2	15	1 1/2
STD	24	1/2	2	20	1 1/2
SPECIAL	30	3/4	2 1/2	25	1 7/8



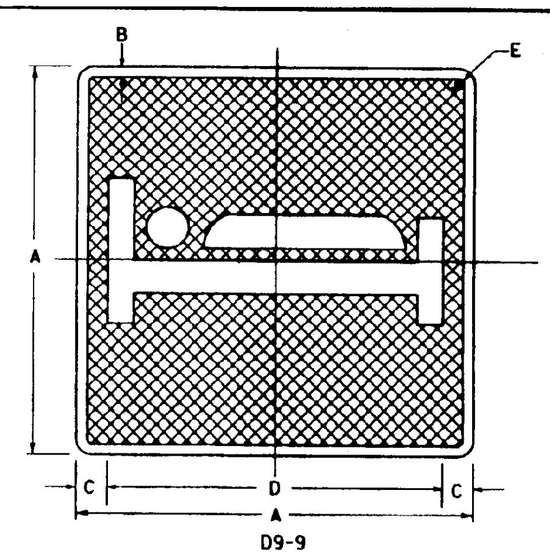
D9-7

SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	3	6	1 1/2
STD	24	1/2	3	9	1 1/2
SPECIAL	30	3/4	3 3/4	11 1/4	1 7/8



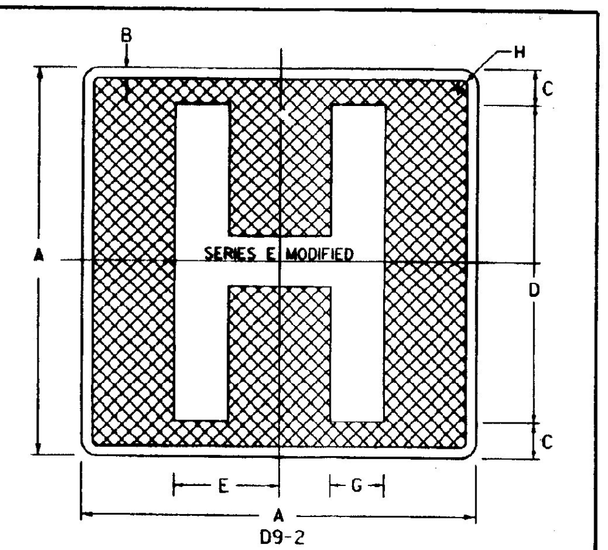
D9-11

SIGN	DIMENSIONS (INCHES)					
	A	B	C	D	E	G
MIN	18	1/2	1 1/2	15	1 1/2	4E(M)
STD	24	1/2	2	20	1 1/2	6E(M)
SPECIAL	30	3/4	2 1/2	25	1 7/8	8E(M)



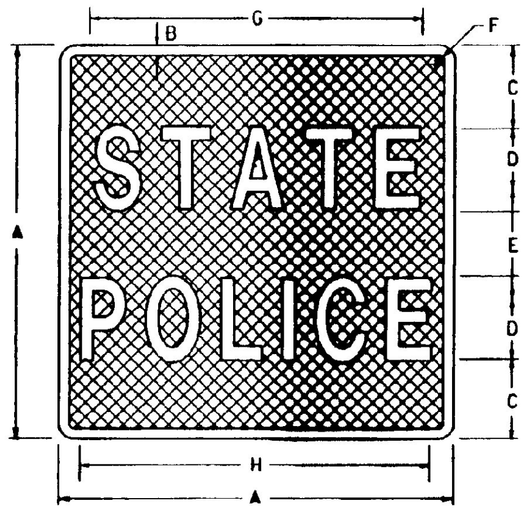
D9-9

SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1 1/2	15	1 1/2
STD	24	1/2	2	20	1 1/2
SPECIAL	30	3/4	2 1/2	25	1 7/8

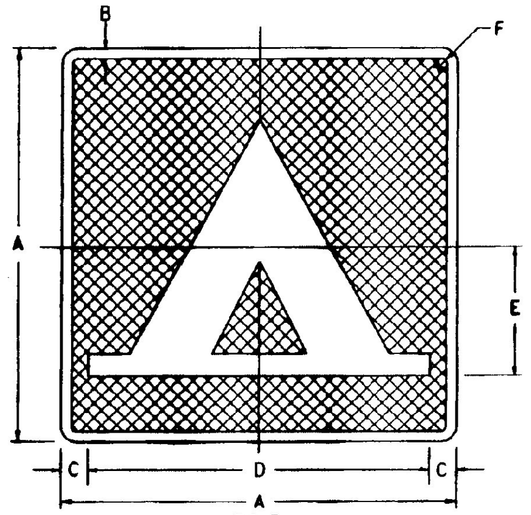


D9-2

SIGN	DIMENSIONS (INCHES)						
	A	B	C	D	E	G	H
MIN	18	1/2	1 1/2	15			1 1/2
STD	24	1/2	2	20	6 3/8	3 1/5	1 1/2
SPECIAL	30	3/4	2 1/2	25	8	4	1 7/8

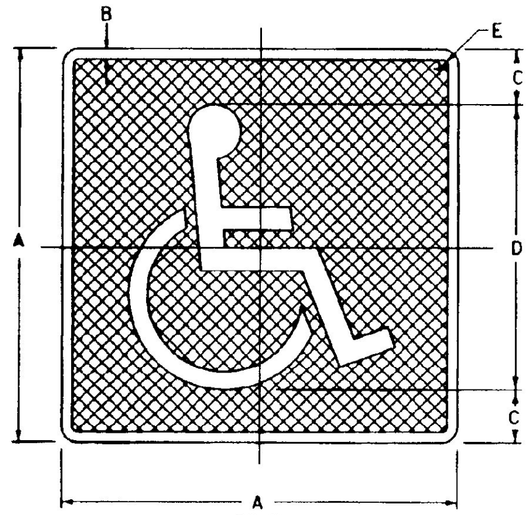


SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	H
MIN AND STD	24	1/2	5	5C	4	1 1/2	14 3/16	18
SPECIAL	30	1/2	6	6C	6	1 1/2	18 3/4	22 1/16



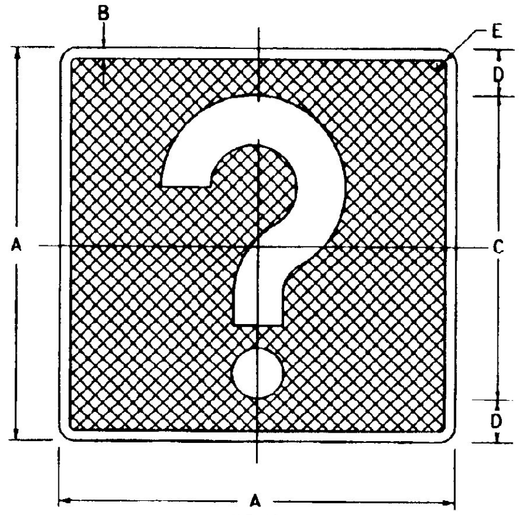
D9-3

SIGN	DIMENSIONS (INCHES)					
	A	B	C	D	E	F
MIN	18	1/2	1 1/2	15	6	1 1/2
STD	24	1/2	2	20	8	1 1/2
SPECIAL	30	3/4	2 1/2	25	10	1 7/8



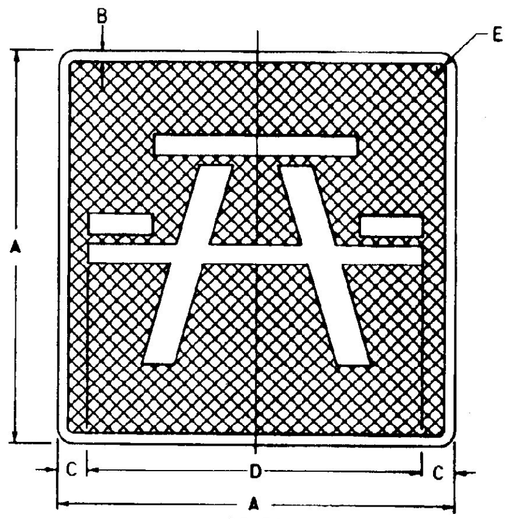
D9-6

SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1 1/2	15	1 1/2
STD	24	1/2	2	20	1 1/2
SPECIAL	30	3/4	2 1/2	25	1 7/8



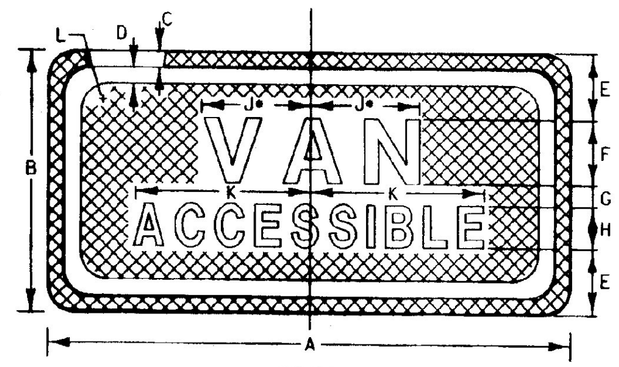
D9-10

SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1 1/2	15	1 1/2
STD	24	1/2	2	20	1 1/2
SPECIAL	30	3/4	2 1/2	25	1 7/8



D5-5A

SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1 1/2	15	1 1/2
STD	24	1/2	2	20	1 1/2
SPECIAL	30	3/4	2 1/2	25	1 7/8

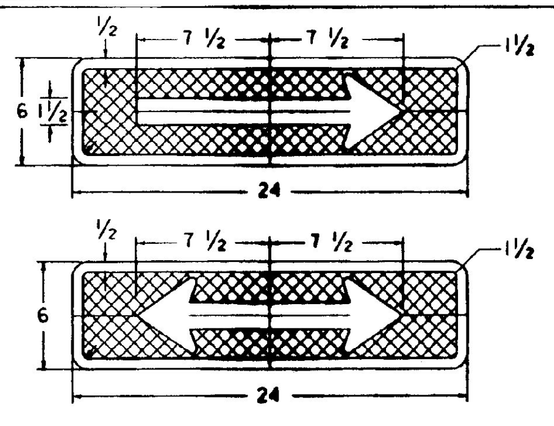


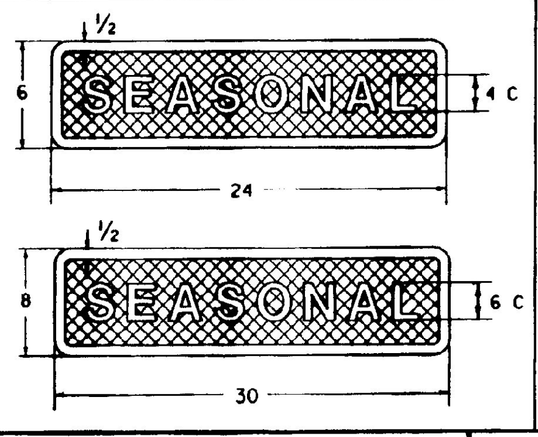
R7-8A

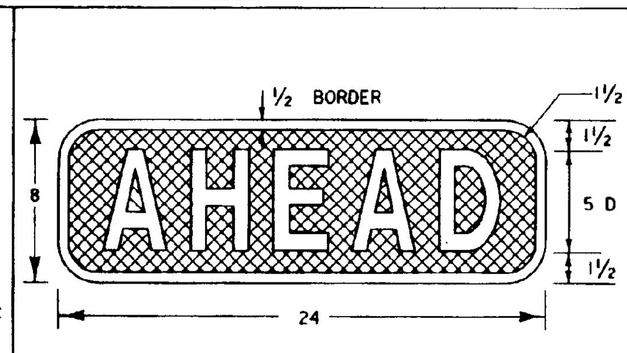
• INCREASE SPACING 50%

SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	J	K	L
STD	12	6	3/8	3/8	1 1/2	1 1/2D	1/2	ID	2 1/4	4	1 1/2
SPECIAL	18	9	3/8	5/8	2 1/4	2D	I	1 1/2D	2 3/4	7	1 1/2

NOTE :
ALL DIMENSIONS SHOWN IN INCHES







NOTES

MATERIALS

THE SIGN BASE MATERIAL USED FOR THE GUIDE SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING MINIMUM THICKNESSES NOTED.

A - FLAT SHEET ALUMINUM - 0.060
B - HIGH DENSITY OVERLAID PLYWOOD - 1/2"
C - GALVANIZED FLAT SHEET STEEL - 16 GA.

COLORS

THE SIGNS SHALL BE WHITE OR SILVER REFLECTORIZED SHEETING WITH A REVERSE SCREENED BLUE BACKGROUND. THE BLUE SHALL CONFORM WITH THE STANDARD COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS AND APPROVED BY THE U.S. DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

LETTERING

LETTERS SHALL CONFORM WITH THE REQUIREMENTS FOUND IN THE PUBLICATION "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" PRINTED BY THE FEDERAL HIGHWAY ADMINISTRATION.

DESIGN

THE DESIGN OF THESE SIGNS SHALL CONFORM WITH THE DETAILS SET FORTH IN THE MANUAL "STANDARD HIGHWAY SIGNS" AS SPECIFIED IN "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES." LETTER-NUMERAL DESIGNATION UNDER EACH SYMBOL IS IDENTIFICATION IN MANUAL.

SPECIFICATIONS

THESE SIGNS SHALL MEET THE STANDARD STATE SPECIFICATIONS FOR "TRAFFIC SIGNS."

OTHER STDS. REQUIRED:

REVISIONS AND CORRECTIONS

SEPT. 10. 1987 - DATE OF ORIGINAL ISSUE
DEC. 18, 1989 - DELETED SERVICE MOUNTING DETAIL
REVISED "STATE POLICE" SIGN
ADDED "AHEAD" SIGN
AUG. 18, 1995 - SIGN DETAIL REVISIONS PER STANDARD HIGHWAY SIGNS MANUAL

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

APPROVED

DIRECTOR OF ENGINEERING

TRAFFIC AND SAFETY ENGINEER

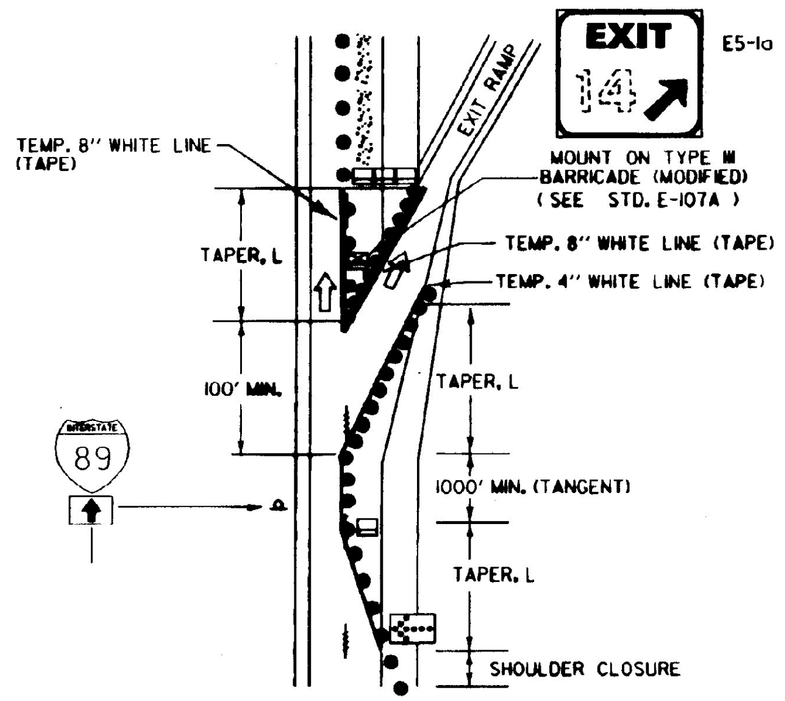
GENERAL MOTORIST SERVICES SIGN DETAILS

/traf/std/stdel32.dgn : stdel32.i

VERMONT AGENCY OF TRANSPORTATION

STANDARD
E-132

AS BUILTS
DATE: 7/21/99



NOT TO SCALE

MAINLINE LANE CLOSURE AT AN EXIT RAMP

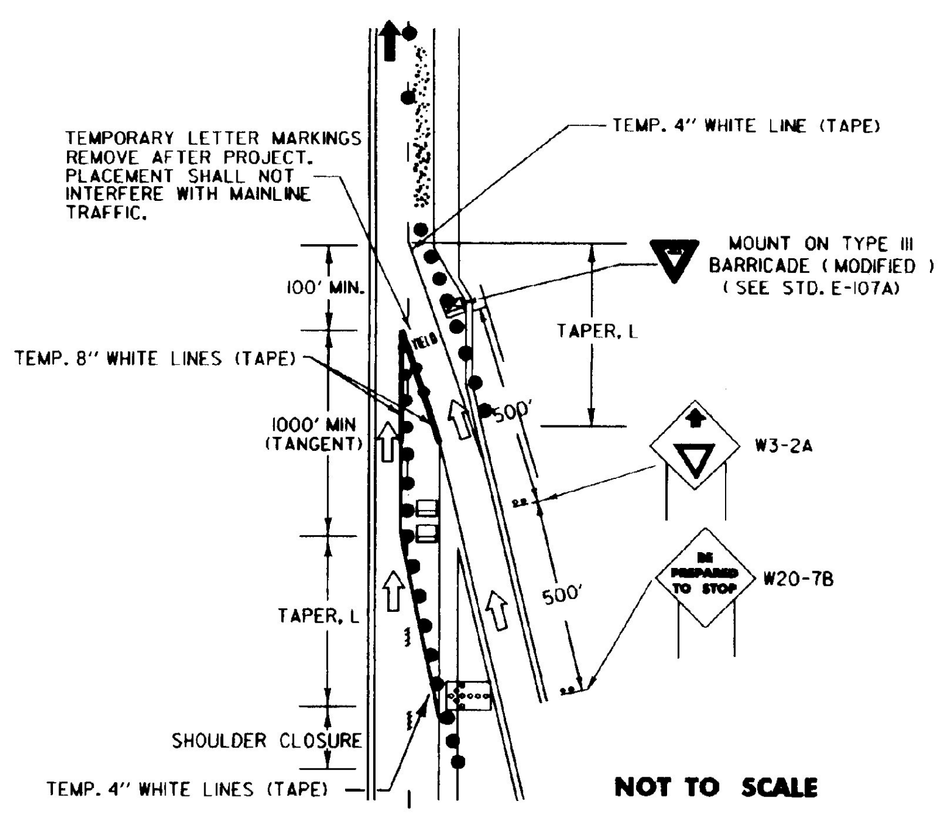
THIS DETAIL SHALL BE USED WHEN THE WORK ZONE BEGINS AT THE GORE OR THE MAINLINE LANE CLOSURE DRUM PLACEMENT INTERFERES WITH THE EXIT RAMP.

NOTES:

1) ALL SIGNS SHALL BE MOUNTED ON FIXED POSTS (YIELDING TYPE) UNLESS OTHERWISE NOTED.
2) CHANNELIZING DEVICES SHALL BE PLACED AS FOLLOWS:
   TAPERS - DEVICES SHALL BE SPACED A MAXIMUM OF "S" (THE SPEED LIMIT IN FEET) APART.
   TANGENT - DEVICES SHALL BE SPACED 2 X "S" (THE SPEED LIMIT IN FEET) APART.
3) ALL DISTANCES ARE DESIRABLE MINIMUMS FIELD CONDITIONS SHALL CONTROL THE ACTUAL PLACEMENT.
4) TAPER RATES ARE BASED ON THE POSTED MAILINE AND EXIT SPEEDS.
5) TEMPORARY PAVEMENT MARKINGS ARE REQUIRED WHEN THE LAYOUT IS TO BE IN EFFECT FOR THREE DAYS OR MORE.
6) LANE CLOSURES AND TAPER LENGTHS, L, AS DETAILED ON STANDARD E-103.
7) EXIT SIGN SHALL BE MOUNTED A MINIMUM OF 3' ABOVE THE GROUND AND HIGH ENOUGH TO BE SEEN ABOVE CHANNELIZING DEVICES.

LEGEND

- REFL. 28" CONES
- REFL. PLASTIC DRUMS
- PAVEMENT MARKING REMOVAL
- INDICATES TRAFFIC FLOW
- WORK AREA
- FLASHING ARROW PANEL
- TYPE II BARRICADES
- TYPE III BARRICADES (MOD.)

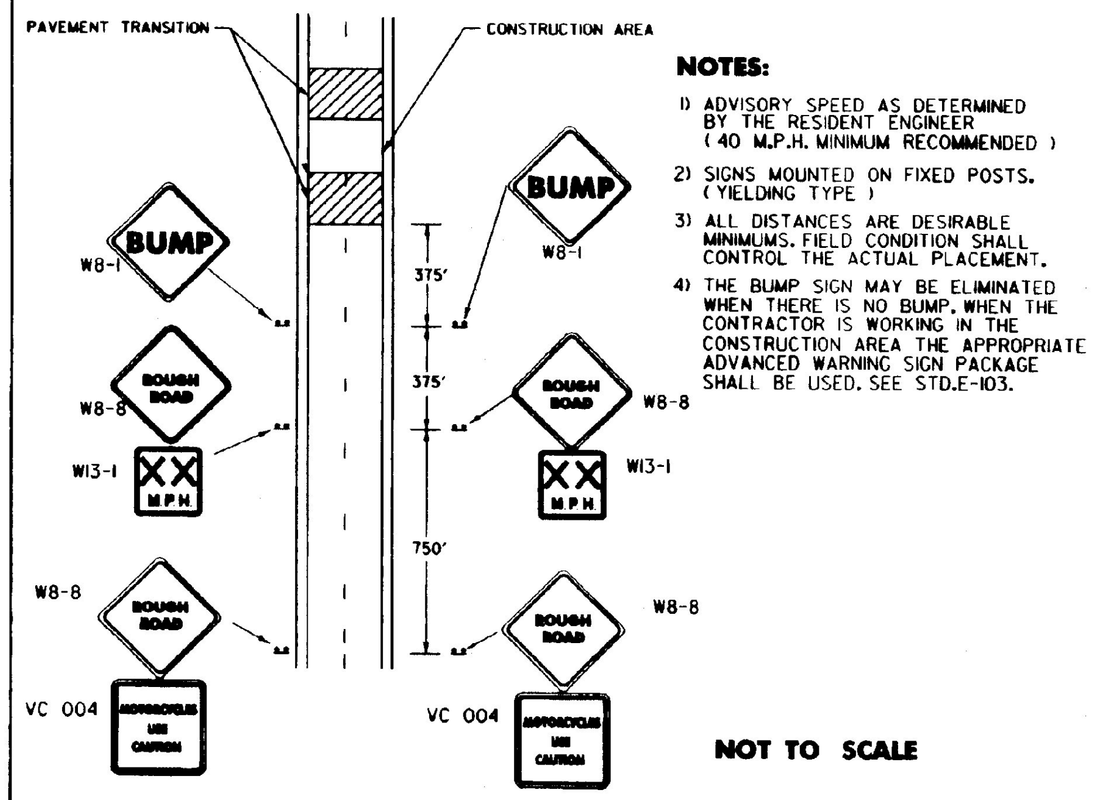


NOT TO SCALE

MAINLINE LANE CLOSURE AT AN ENTRANCE RAMP

THIS DETAIL SHALL BE USED WHEN THE WORK ZONE BEGINS AT AT THE END OF THE ACCELERATION LANE OR THE MAINLINE LANE CLOSURE DRUM PLACEMENT INTERFERES WITH THE ON-RAMP TRAFFIC.

IF THE LENGTH OF THE ACCELERATION LANE IS NOT ADEQUATE, THE YIELD SIGN SHALL BE REPLACED WITH A STOP SIGN. IF A STOP SIGN IS USED, IT SHOULD BE ACCOMPANIED BY A STOP BAR.

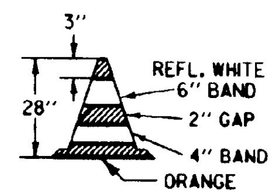


NOTES:

1) ADVISORY SPEED AS DETERMINED BY THE RESIDENT ENGINEER (40 M.P.H. MINIMUM RECOMMENDED)
2) SIGNS MOUNTED ON FIXED POSTS. (YIELDING TYPE)
3) ALL DISTANCES ARE DESIRABLE MINIMUMS. FIELD CONDITION SHALL CONTROL THE ACTUAL PLACEMENT.
4) THE BUMP SIGN MAY BE ELIMINATED WHEN THERE IS NO BUMP. WHEN THE CONTRACTOR IS WORKING IN THE CONSTRUCTION AREA THE APPROPRIATE ADVANCED WARNING SIGN PACKAGE SHALL BE USED. SEE STD.E-103.

NOT TO SCALE

ADVANCED WARNING SIGN PACKAGE FOR COLD PLANED (SCARIFIED) SURFACES.

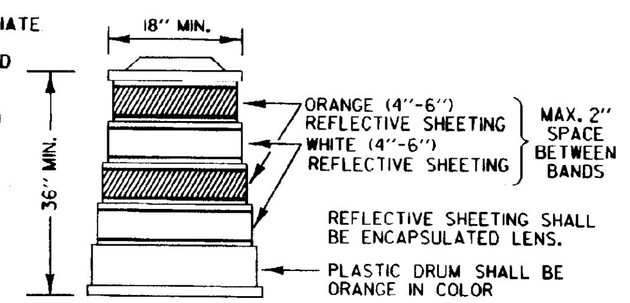


NOTES:

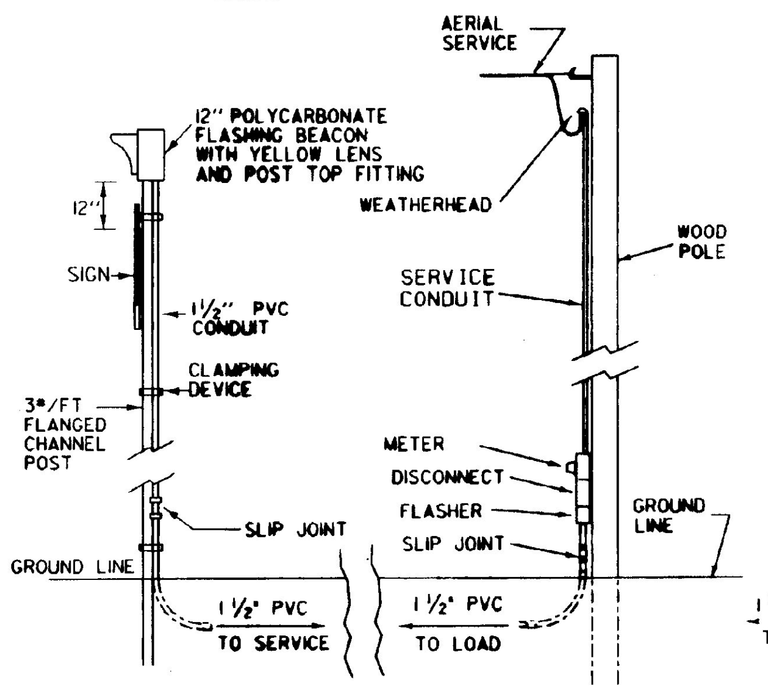
1.) 28" CONES SHALL BE USED ON ROADWAYS WITH SPEED LIMITS OF 35 MPH OR MORE AND ON ALL ROADWAYS DURING HOURS OF DARKNESS.
2.) CONES MAY BE WEIGHTED TO PREVENT OVER-TURNING, HOWEVER THE WEIGHTS SHALL NOT PRESENT A HAZARD IF THE CONE IS STRUCK.
3.) REFLECTIVE SHEETING SHALL BE ENCAPSULATED LENS.

28" REFLECTORIZED CONE

SAND BAGS OR AN APPROPRIATE BALLASTING DEVICE, WHICH DOES NOT PRESENT A HAZARD TO THE IMPACTING VEHICLE OR BECOME A PROJECTILE UPON IMPACT, SHALL BE USED TO WEIGHT DRUMS.

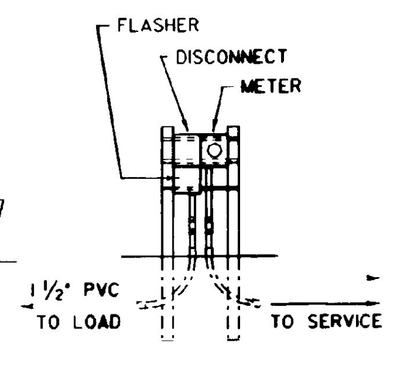


REFLECTORIZED PLASTIC DRUM



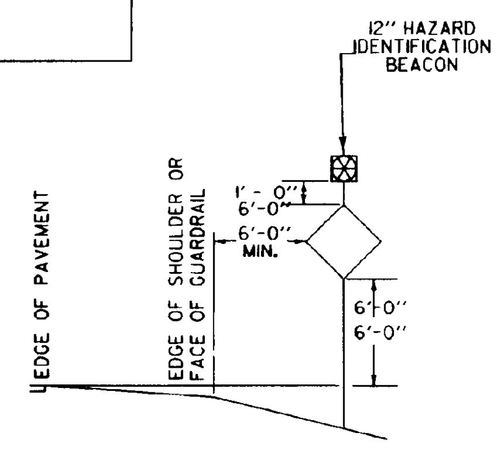
FLASHING BEACON DETAIL

SEE STANDARD E-175



UNDERGROUND SERVICE DETAIL

AERIAL SERVICE WITHOUT LUMINAIRE



SIGN PLACEMENT DETAIL

NOTES:

1.) AT THE CONTRACTOR'S OPTION:
   A. THE POWER SUPPLY MAY BE AERIAL OR UNDERGROUND (SEE DETAIL).
   B. POWER FOR A FLASHING BEACON MAY BE COMBINED WITH POWER FOR A TRAFFIC SIGNAL OR THEY MAY HAVE SEPARATE POWER SOURCES.
   C. THE FLASHER MAY BE INSTALLED ON A STANCHION NEAR THE SIGN, ON A UTILITY POLE (WITH UTILITY COMPANY APPROVAL) OR AT THE SAME LOCATION AS A TRAFFIC SIGNAL CONTROLLER.
2.) THE FLASHER UNIT SHALL BE ONE CIRCUIT AND INCLUDE A RADIO INTERFERENCE FILTER.
3.) BATTERY OPERATED FLASHERS WILL NOT BE ALLOWED.
4.) BOTTOM OF THE BEACON SHALL BE A MIN. OF 8'-0" AND A MAX. OF 12'-0" ABOVE THE EDGE OF THE PAVEMENT.
5.) FOR URBAN AREA PLACEMENT SEE STD. E-121.

OTHER STDS. REQUIRED: E-101, E-102, E-102A, E-103, E-107A, E-136, E-150, E-175

REVISIONS AND CORRECTIONS

APR 12, 1988 - DATE OF ORIGINAL ISSUE
JAN 23, 1989 - REVISED EXIT SIGN - CLARIFIED EXIT TAPER
SEPT 20, 1993 - REVISED RAMP CLOSURES, FLASHING BEACON DETAILS AND MOVED TYPE III BARRICADE (MOD) TO STDE-107A
AUG 08, 1995 - REVISED BEACON SIZE

APPROVED

Gordon S. MacCutcheon
DIRECTOR OF ENGINEERING

David A. Ross
TRAFFIC AND SAFETY ENGINEER

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

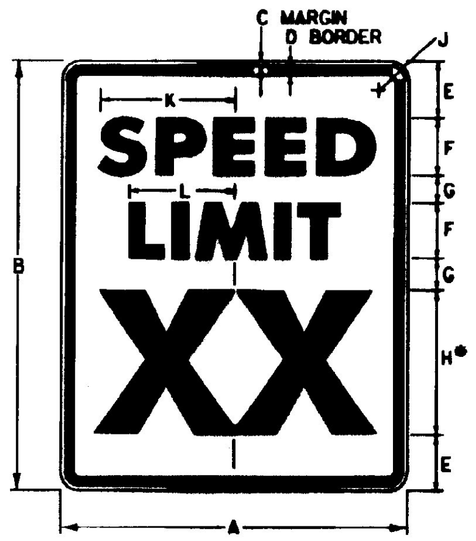
TRAFFIC CONTROL MISCELLANEOUS DETAILS

/traf/std/stdel06.dgn : stdel06.i

VERMONT AGENCY OF TRANSPORTATION

STANDARD E-106

AS BUILT
DATE: 7/21/99



* OPTICALLY SPACE NUMERALS ABOUT VERTICAL CENTERLINE.

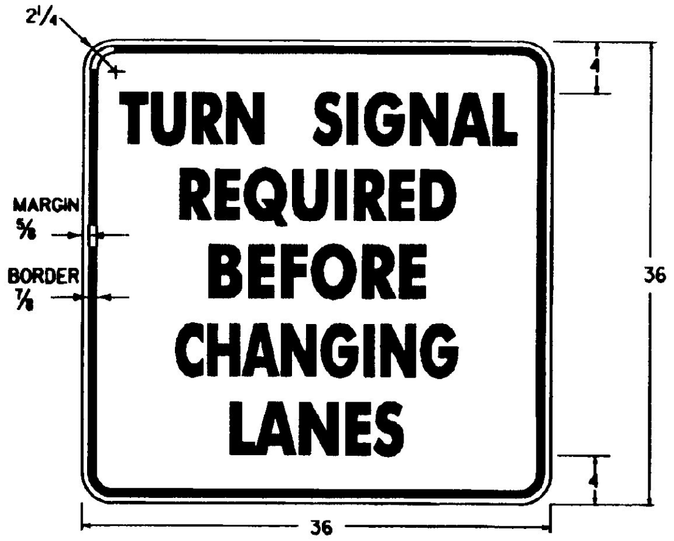
R2-1

SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	J	K	L
MIN	18	24	3/8	5/8	3	3E	2	8E	1 1/2	7 3/8	5 1/2
STD	24	30	3/8	5/8	4	4E	2	10E	1 1/2	9 3/8	7 1/8
EXPWY	36	48	1/2	1/2	6	6E	5	14E	2 1/4	14 3/8	11
FWY	48	60	3/4	1 1/4	8	8E	4	20E	3	19 1/8	14 5/8



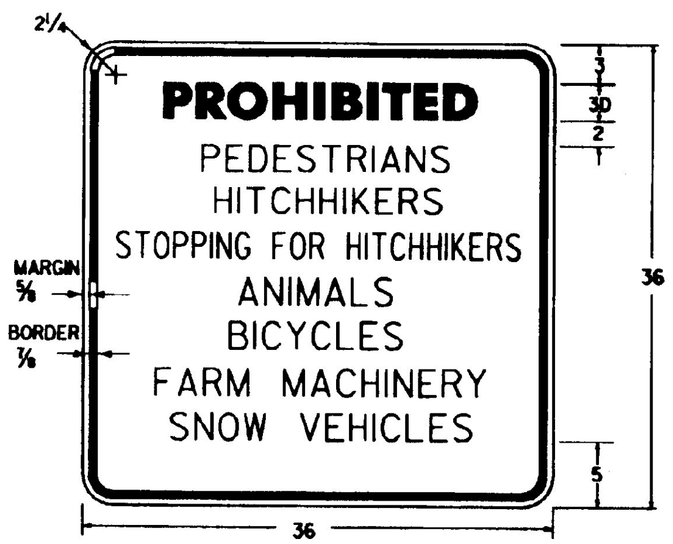
TO BE USED WITH "SPEED LIMIT 55" OR "65" FWY SIGN ONLY

VR-141



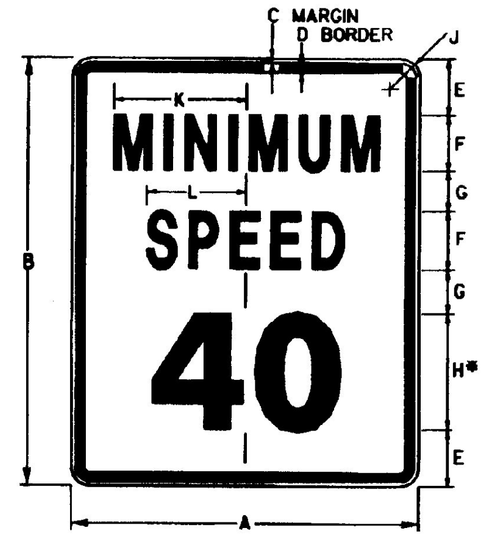
TEXT 4"C; SPACING 2"

VR-002



TEXT 2"C, SPACING 1/2", EXCEPT WHERE NOTED.

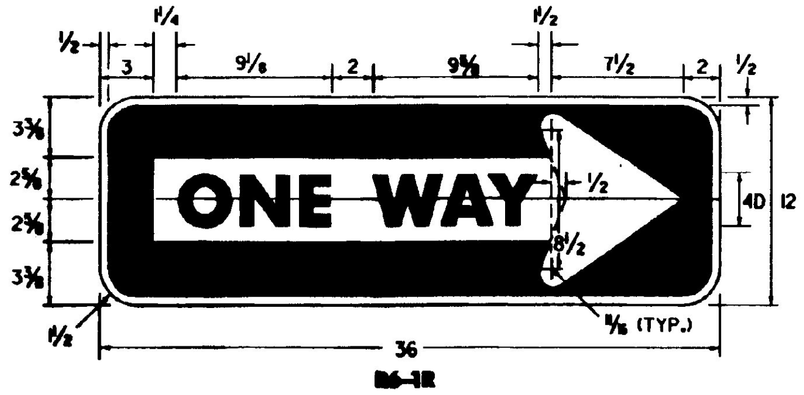
VR-046



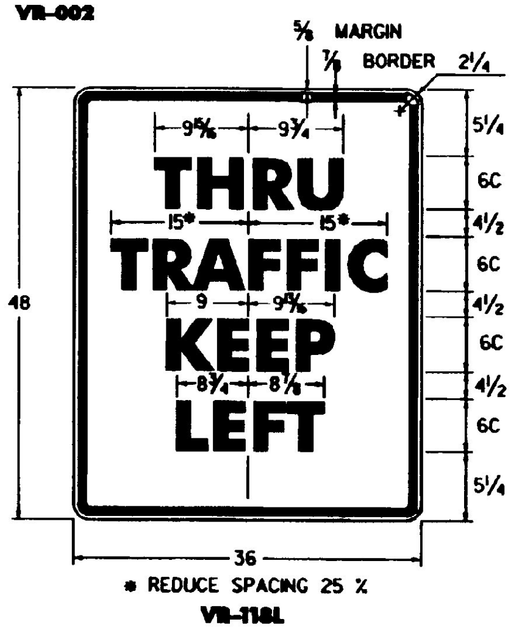
* OPTICALLY SPACE NUMERALS ABOUT VERTICAL CENTERLINE.

R2-4

SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	J	K	L
STD	24	30	3/8	5/8	4	4E	2	10E	1 1/2	9 3/8	6 5/8
EXPWY	36	48	3/8	1/2	6	6E	5	14E	2 1/4	13 3/4	10 3/8
FWY	48	60	3/4	1 1/4	8	8E	4	20E	3	18 3/8	13 5/8

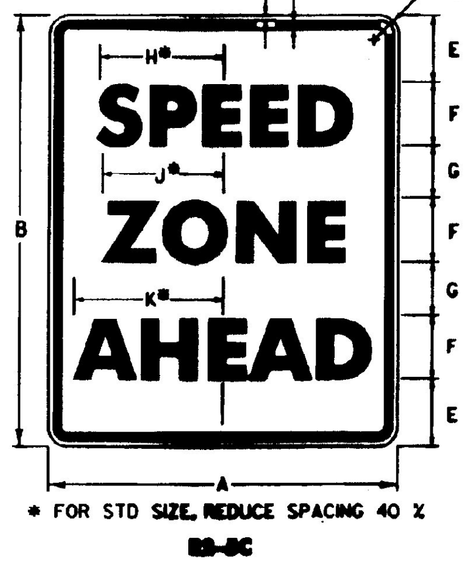


R6-1R



* REDUCE SPACING 25 %

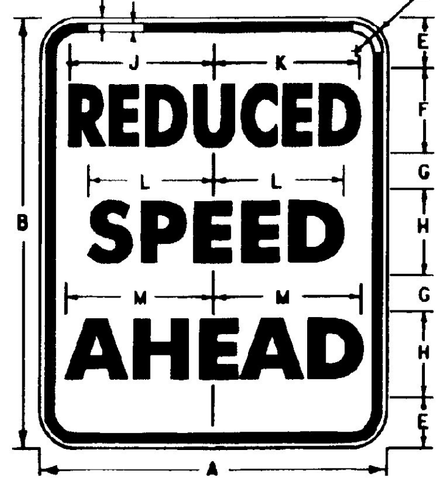
VR-118L



* FOR STD SIZE, REDUCE SPACING 40 %

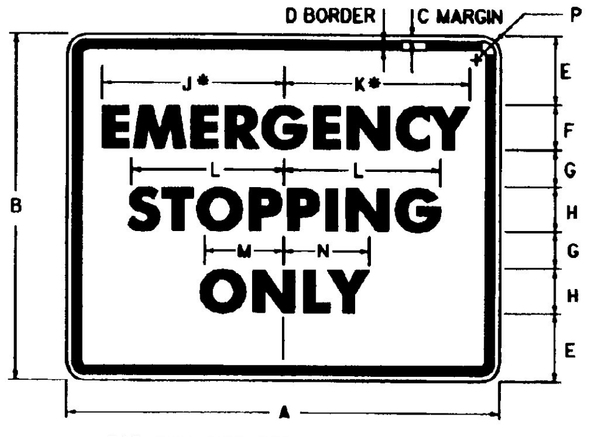
R2-5C

SIGN	DIMENSIONS (INCHES)											
	A	B	C	D	E	F	G	H	J	K	L	
MIN.	18	24	3/8	5/8	3 1/2	4C	2 1/2	6 5/8	5 1/2	7	1 1/2	
STD.	24	30	3/8	5/8	3 1/2	6C	2 1/2	9 3/8	7 1/8	9 3/4	1 1/2	
EXPWY.	36	48	5/8	1/2	7	8C	5	13 5/8	11 1/8	14	2 1/4	
FWY.	48	60	3/4	1 1/4	9	10C	6	17	13 5/8	17 1/2	3	



R2-5A

SIGN	DIMENSIONS (INCHES)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	
MIN.	18	24	3/8	5/8	3 1/2	4B	2 1/2	4C	6 3/8	7	6 5/8	7	1 1/2	
STD.	24	30	3/8	5/8	3 1/2	6B	2 1/2	6C	10	10 3/4	9 3/8	9 3/4	1 1/2	
EXPWY.	36	48	5/8	7/8	7	8B	5	8C	14 1/4	14 3/4	13 5/8	14	2 1/4	
FWY.	48	60	3/4	1 1/4	9	10B	6	10C	17 3/4	18 3/8	17	17 1/2	3	



* FOR FWY SIZE, REDUCE SPACING 50 %

R6-7

SIGN	DIMENSIONS (INCHES)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	P
EXPWY.	30	24	3/8	5/8	3 1/2	4C	2 1/2	4D	12 1/2	13	12 3/4	6 3/8	7	1 1/2
FWY.	48	36	5/8	7/8	5	6D	4	6D	20 3/8	21 1/8	19 1/8	10 1/16	10 3/8	2 1/4

GENERAL:

1. ALL DIMENSIONS IN INCHES.

COLORS:

THE REGULATORY SIGNS SHOWN ON THIS SHEET SHALL HAVE BLACK TEXT ON REFLECTORIZED WHITE BACKGROUND, UNLESS OTHERWISE NOTED. THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS AND APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

MATERIALS:

THE SIGN BASE MATERIALS USED FOR REGULATORY SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING OF THE MINIMUM THICKNESS NOTED.

	18'' X 24''	24'' X 30'' 30'' X 24''	36'' X 12'' 36'' X 36'' 36'' X 48'' 48'' X 36'' 48'' X 48'' 48'' X 60''
FLAT SHEET ALUMINUM	0.060''	0.080''	0.100''
HIGH DENSITY OVERLAID PLYWOOD	1/2''	1/2''	5/8''
GALVANIZED FLAT SHEET STEEL	18 GAGE	16 GAGE	14 GAGE

THE REFLECTIVE MATERIAL FOR GROUND MOUNTED SIGNS SHALL BE AASHTO TYPE II OR III WHITE REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE TEXT OF THE SIGNS MAY BE LETTERING FILM, SILK SCREENED OR HAND PAINTED. HAND PAINTING MUST BE COMPARABLE IN QUALITY TO THE RESULTS OBTAINED BY SILK SCREENING.

SPECIFICATIONS:

REGULATORY SIGNS SHALL MEET THE VERMONT STANDARD SPECIFICATIONS FOR TRAFFIC SIGNS.

TEXT DESIGN:

LETTERS, DIGITS, ARROWS, SPACING AND TEXT DIMENSIONS SHALL CONFORM WITH THE ''STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS'' AND DESIGNS PRESCRIBED IN THE STANDARD HIGHWAY SIGNS AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

OTHER STDS.: NONE REQUIRED

REVISIONS AND CORRECTIONS

OCT. 30, 1987 - DATE OF ORIGINAL ISSUE
SEPT. 20, 1995 - ADDED AND DELETED SIGN DETAILS, ADDED SIGN ID NUMBERS, MINOR NOTE REVISIONS.

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

APPROVED

Gordon R. MacArthur
DIRECTOR OF ENGINEERING

TRAFFIC AND SAFETY ENGINEER

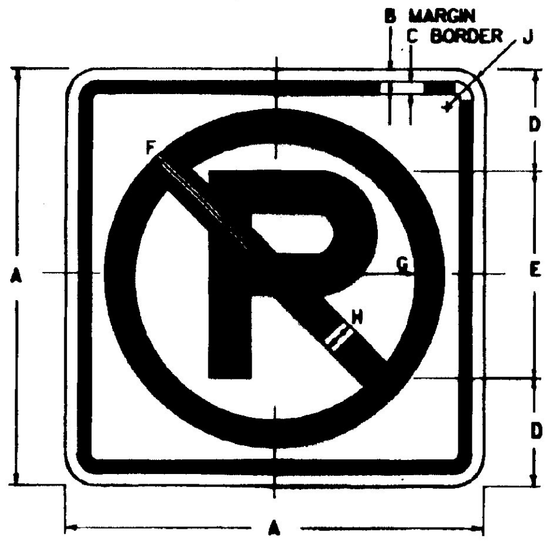
REGULATORY SIGN DETAILS

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VERMONT AGENCY OF TRANSPORTATION

STANDARD
E-142

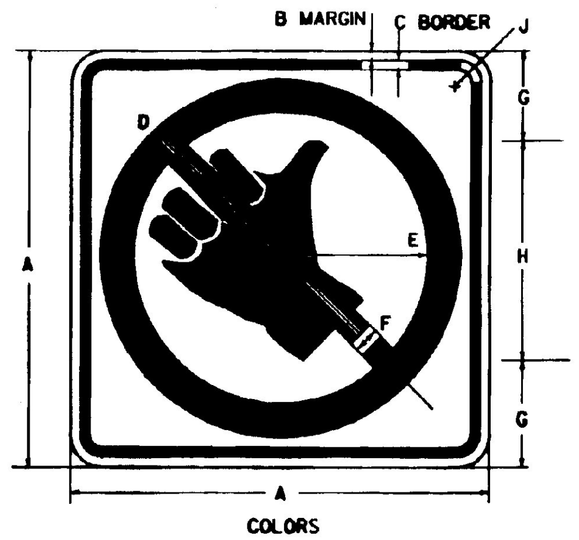
AS BUILTS
DATE: 7/21/99



COLORS
CIRCLE AND DIAGONAL - RED (REFL - RURAL)
SYMBOL AND BORDER - BLACK (NON - REFL)
BACKGROUND - WHITE (REFL - RURAL)

R8-8A

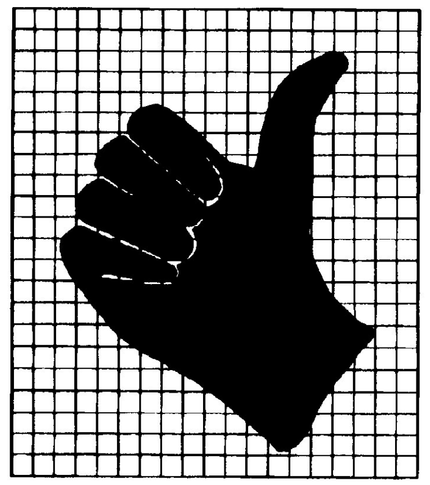
SIGN	DIMENSIONS (INCHES)								
	A	B	C	D	E	F	G	H	J
URBAN MIN. AND STD.	12	3/8	3/8	3	6E&D	4 1/8	3 3/8	1	1/2
RURAL MIN. AND STD.	24	3/4	3/8	6	12E&D	10 1/2	8 1/2	2	1/2
EXPWY.	36	5/8	1/8	9	18E&D	15 3/4	12 3/4	3	2 1/4
FWY.	48	3/4	1 1/4	12	24E&D	21	17	4	3

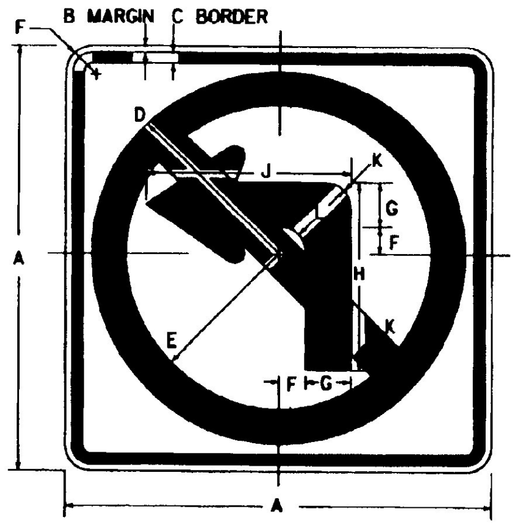


COLORS
CIRCLE AND DIAGONAL - RED (REFL)
SYMBOL AND BORDER - BLACK (NON - REFL)
BACKGROUND - WHITE (REFL)

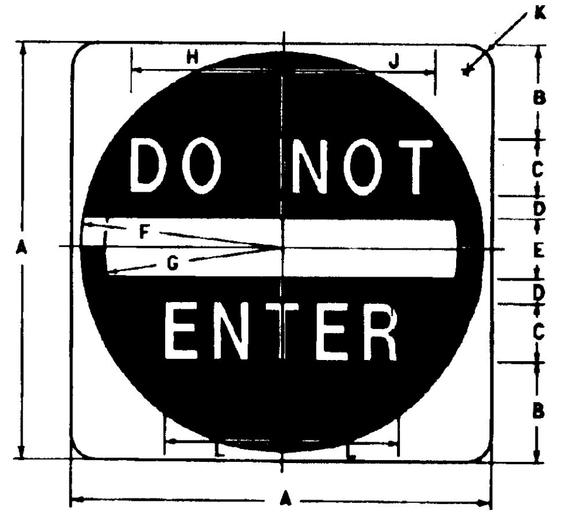
R9-4A

SIGN	DIMENSIONS (INCHES)								
	A	B	C	D	E	F	G	H	J
MIN.	18	3/8	5/8	7 7/8	6 3/8	1/2	3 3/4	10 1/2	1 1/2
STD.	24	3/8	5/8	10 1/2	8 1/2	2	5	14	1 1/2





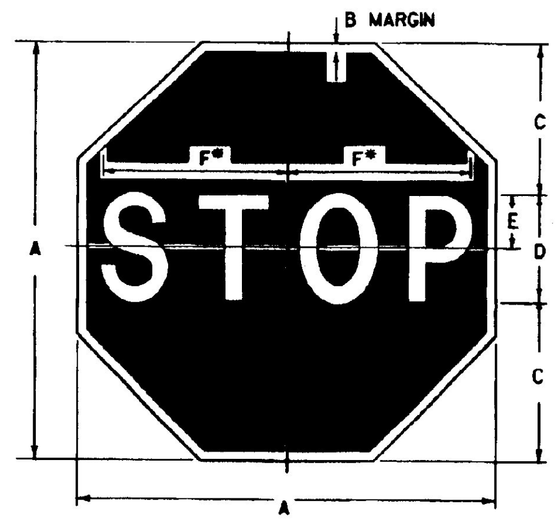
R3-2



COLORS
SYMBOL - RED (REFL)
LEGEND AND BACKGROUND - WHITE (REFL)
ENCAPSULATED LENS

R5-1

SIGN	DIMENSIONS (INCHES)											
	A	B	C	D	E	F	G	H	J	K	L	
MIN. AND STD.	30	6 1/2	4D	2	5	14 1/2	12 1/2	9 3/4	10	1 7/8	7 1/8	
EXPWY.	36	7 1/2	5D	2 1/2	6	17 1/2	15	12	12 3/8	2 1/4	9 1/8	
SPECIAL	48	11	6D	3	8	23 1/2	20	14 1/2	15	3	18 3/4	

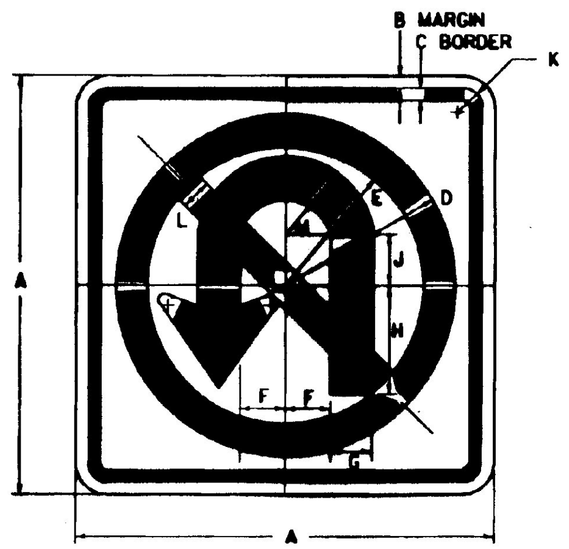


* REDUCE SPACING 40 %

COLORS
LEGEND - WHITE (REFL)
BACKGROUND - RED (REFL)
ENCAPSULATED LENS

R1-1

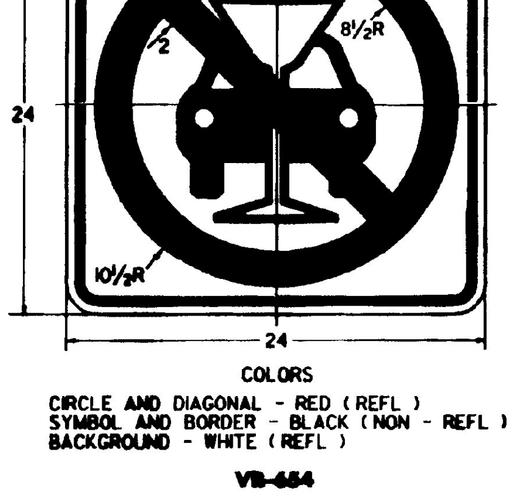
SIGN	DIMENSIONS (INCHES)					
	A	B	C	D	E	F
BIKE	18	3/8	6	6C	3	7 3/4
MIN.	24	1/2	8	8C	4	10
STD.	30	3/4	10	10C	5	12 1/2
EXPWY.	36	1/2	12	12C	6	15
SPECIAL	48	1 1/4	16	16C	8	20



COLORS
CIRCLE AND DIAGONAL - RED (REFL)
ARROW AND BORDER - BLACK (NON - REFL)
BACKGROUND - WHITE (REFL)

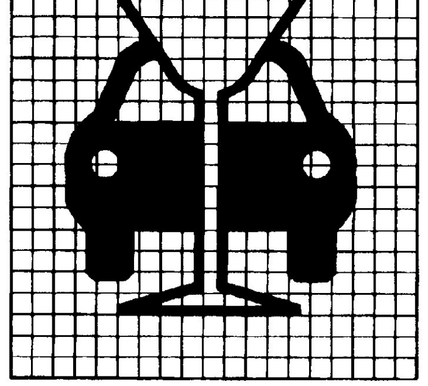
R3-4

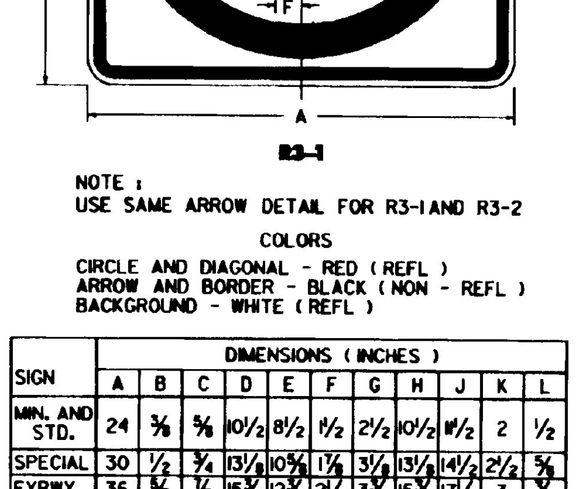
SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	J	K	L	M	
MIN. AND STD.	24	3/8	5/8	10 1/2	8 1/2	2 1/2	2 1/2	6	2 1/4	1 1/2	2	5	
SPECIAL	30	1/2	3/4	13 1/8	10 5/8	3 1/8	3 1/8	7 1/2	2 5/8	1 1/2	2 1/2	6 1/4	
EXPWY.	36	5/8	1/8	15 3/4	12 3/4	3 3/4	3 3/4	9	3 1/8	2 1/4	3	7 1/2	
SPECIAL	48	3/4	1 1/4	21	17	5	5	12	4 1/2	3	4	10	



COLORS
CIRCLE AND DIAGONAL - RED (REFL)
SYMBOL AND BORDER - BLACK (NON - REFL)
BACKGROUND - WHITE (REFL)

VB-654



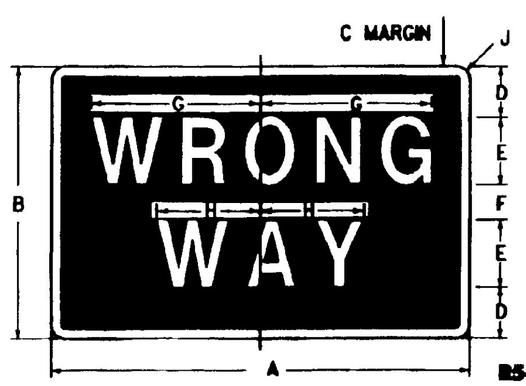


R3-1

NOTE :
USE SAME ARROW DETAIL FOR R3-1 AND R3-2

COLORS
CIRCLE AND DIAGONAL - RED (REFL)
ARROW AND BORDER - BLACK (NON - REFL)
BACKGROUND - WHITE (REFL)

SIGN	DIMENSIONS (INCHES)											
	A	B	C	D	E	F	G	H	J	K	L	
MIN. AND STD.	24	3/8	5/8	10 1/2	8 1/2	1 1/2	2 1/2	10 1/2	11 1/2	2	1/2	
SPECIAL	30	1/2	3/4	13 1/8	10 5/8	1 7/8	3 1/8	13 1/8	14 1/2	2 1/2	3/8	
EXPWY.	36	5/8	1/8	15 3/4	12 3/4	2 1/4	3 3/4	15 3/4	17 1/4	3	3/4	
SPECIAL	48	3/4	1 1/4	21	17	3	5	21	23	4	1	



"WRONG WAY"

COLORS
LEGEND - WHITE (REFL)
BACKGROUND - RED (REFL)
ENCAPSULATED LENS

R5-1A

SIGN	DIMENSIONS (INCHES)								
	A	B	C	D	E	F	G	H	J
MIN.	30	18	5/8	3	5D	2	11 7/16	6 5/8	1 1/2
STD.	36	24	3/4	4 1/2	6D	3	13 5/8	8 1/16	1 1/2
SPECIAL	42	30	1/8	5	8D	4	17 3/4	10 3/4	1 1/2

GENERAL:

1. ALL DIMENSIONS IN INCHES.
2. SEE STANDARD E-144 FOR ARROWHEAD DETAILS.

COLORS:

THE REGULATORY SIGNS SHOWN ON THIS SHEET SHALL HAVE BLACK TEXT ON REFLECTORIZED THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS AND APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

MATERIALS:

THE SIGN BASE MATERIALS USED FOR REGULATORY SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING OF THE MINIMUM THICKNESS NOTED.

	12'' X 12'' 18'' X 18''	24'' X 24'' 30'' X 18'' 30'' X 30''	36'' X 24'' 36'' X 36'' 42'' X 30'' 48'' X 48''
FLAT SHEET ALUMINUM	0.060''	0.080''	0.100''
HIGH DENSITY OVERLAID PLYWOOD	1/2''	1/2''	5/8''
GALVANIZED FLAT SHEET STEEL	18 GAGE	16 GAGE	14 GAGE

THE REFLECTIVE MATERIAL SHALL BE AASHTO TYPE II OR III WHITE REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE BLACK PORTIONS OF THE SIGNS MAY BE LETTERING FILM, SILK SCREENED OR HAND PAINTED. HAND PAINTING MUST BE COMPARABLE IN QUALITY TO THE RESULTS OBTAINED BY SILK SCREENING. ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR THE SIGN BACKGROUND WHERE NOTED.

SPECIFICATIONS:

REGULATORY SIGNS SHALL MEET THE VERMONT STANDARD SPECIFICATIONS FOR TRAFFIC SIGNS.

TEXT DESIGN:

LETTERS, DIGITS, ARROWS, SPACING AND TEXT DIMENSIONS SHALL CONFORM WITH THE ''STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS'' AND DESIGNS PRESCRIBED IN THE STANDARD HIGHWAY SIGNS AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

OTHER STDS.: E-144 REQUIRED

REVISIONS AND CORRECTIONS

OCT. 30, 1987 - DATE OF ORIGINAL ISSUE
SEPT. 20, 1995 - ADDED AND DELETED SIGN DETAILS, ADDED SIGN ID NUMBERS, MINOR NOTE REVISIONS.

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

APPROVED

DIRECTOR OF ENGINEERING

TRAFFIC AND SAFETY ENGINEER

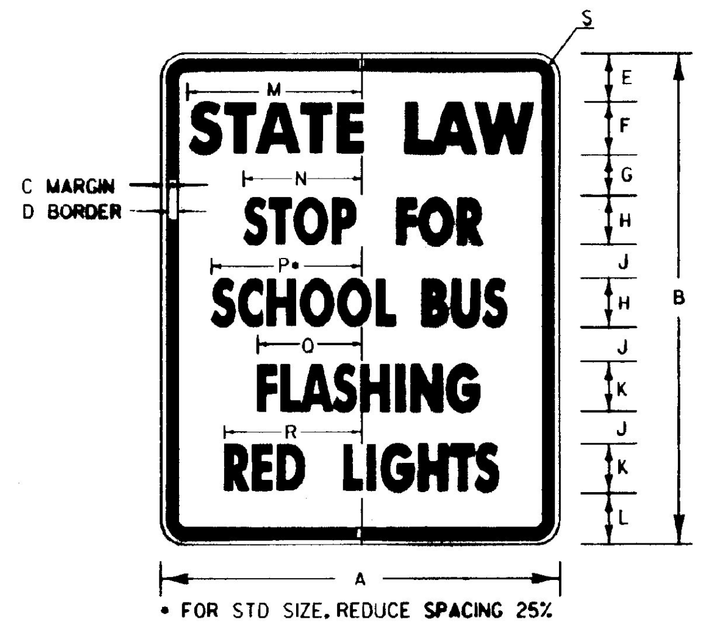
REGULATORY SIGN DETAILS

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VERMONT AGENCY OF TRANSPORTATION

STANDARD
E-143

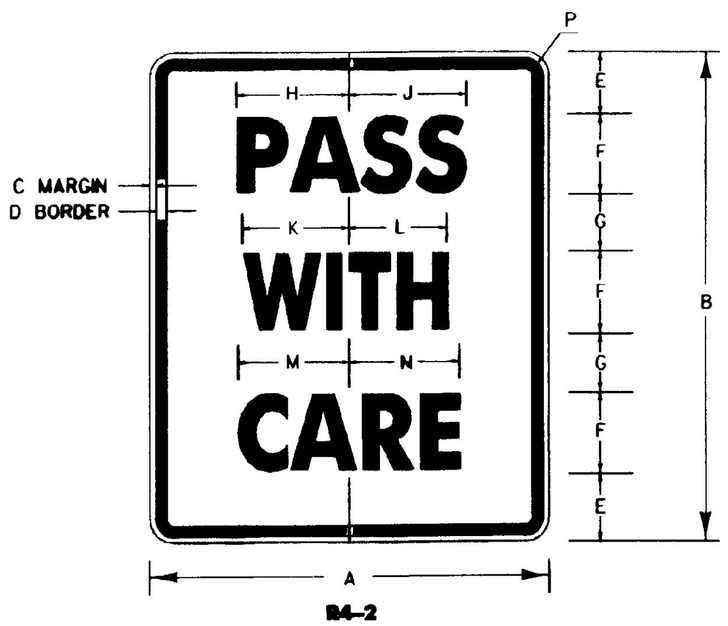
AS BUILTS
DATE: 7/21/99



• FOR STD SIZE, REDUCE SPACING 25%

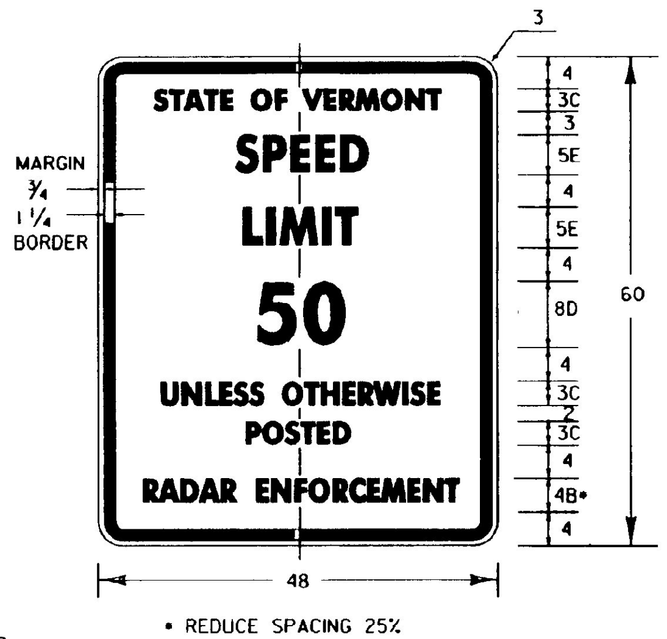
VR-048

SIGN	DIMENSIONS (INCHES)															
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T
STD.	24	30	3/8	5/8	3	4B	3	3B	1 1/2	3B	2 1/2	9 1/2	10 5/8	10 7/16	6 5/16	8 5/16	1 1/2
EXPWY. & FWY.	48	60	3/4	1 1/4	6	7C	5	6B	4	6B	6	21	14 1/4	18 1/16	12 5/16	16 3/16	3



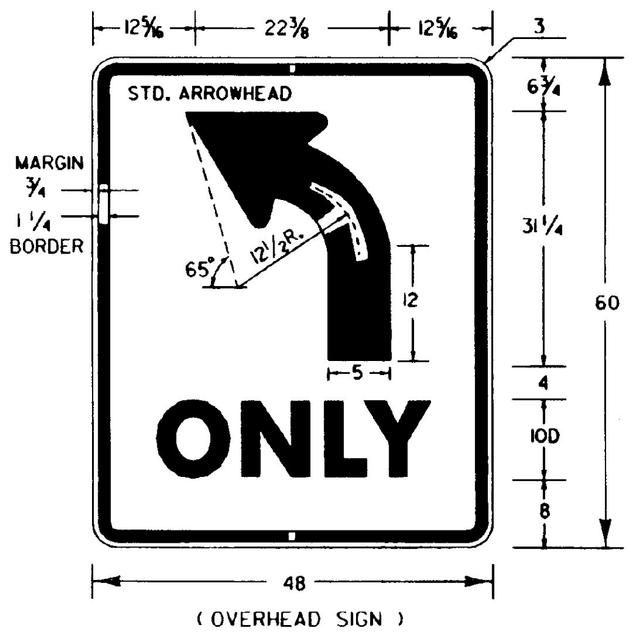
R4-2

SIGN	DIMENSIONS (INCHES)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	P
MIN.	18	24	3/8	5/8	3 1/2	4C	2 1/2	5 7/16	5 5/16	5	4 3/4	5 3/8	5 1/2	1 1/2
STD.	24	30	3/8	5/8	3 1/2	6C	2 1/2	8 7/16	8 7/16	7 1/2	7 3/16	8	8 1/4	1 1/2
EXPWY.	36	48	5/8	7/8	7	8C	5	10 7/16	11 1/4	10	9 1/2	10 11/16	11	2 1/4
FWY.	48	60	3/4	1 1/4	8	10C	7	13 5/16	14 1/16	12 1/2	11 5/16	13 3/16	13 3/4	3



• REDUCE SPACING 25%

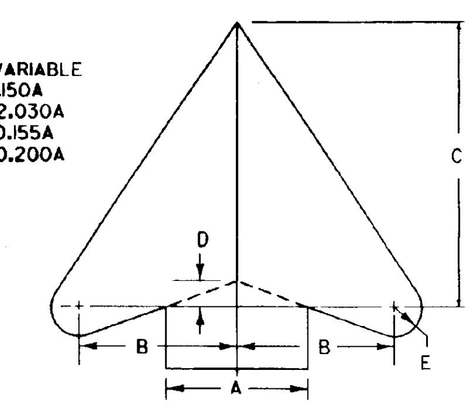
VR-114



(OVERHEAD SIGN)

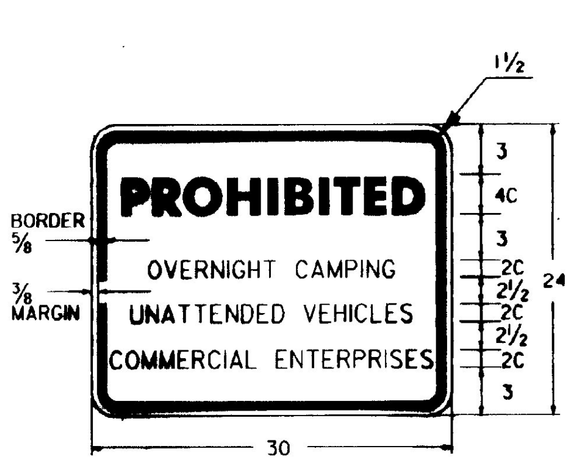
R3-5

ARROW HEAD DETAIL

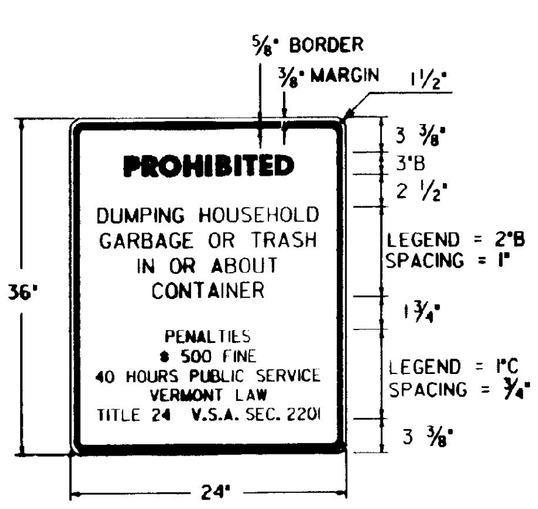


DIMENSIONS (INCHES)				
A	B	C	D	E
2	2 5/16	4 1/16	5/16	3/8
2 1/4	2 5/8	4 1/2	3/8	7/16
2 1/2	2 7/8	5 1/16	3/8	1/2
2 5/8	3	5 1/4	3/8	1/2
2 3/4	3 3/16	5 5/16	7/16	5/8
3	3 1/2	6 1/8	7/16	5/8
3 1/8	3 5/8	6 3/8	1/2	5/8
3 1/4	3 3/4	6 5/8	1/2	5/8
3 5/16	3 11/16	6 11/16	1/2	11/16
3 1/2	4	7 1/8	7/16	11/16
3 3/4	4 5/16	7 5/8	9/16	3/4
4	4 5/8	8 1/8	5/8	13/16
4 1/16	4 3/4	8 1/4	5/8	13/16

DIMENSIONS (INCHES)				
A	B	C	D	E
4 1/4	4 7/8	8 5/8	5/8	13/16
4 3/8	5	8 7/8	11/16	7/8
4 1/2	5 3/16	9 1/8	11/16	7/8
4 3/4	5 7/16	9 5/8	3/4	1
4 7/8	5 5/8	9 7/8	3/4	1
5	5 3/4	10 1/8	3/4	1
5 1/4	6	10 5/8	13/16	1 1/16
5 1/2	6 3/8	11 1/8	7/8	1 1/8
5 3/4	6 5/8	11 11/16	7/8	1 1/8
6	6 7/8	12 3/16	15/16	1 3/16
6 1/2	7 1/2	13 3/16	1	1 5/16
7	8	14 3/16	1 1/16	1 3/8
7 1/2	8 5/8	15 3/16	1 1/8	1 1/2
8	9 3/16	16 1/4	1 1/4	1 5/8

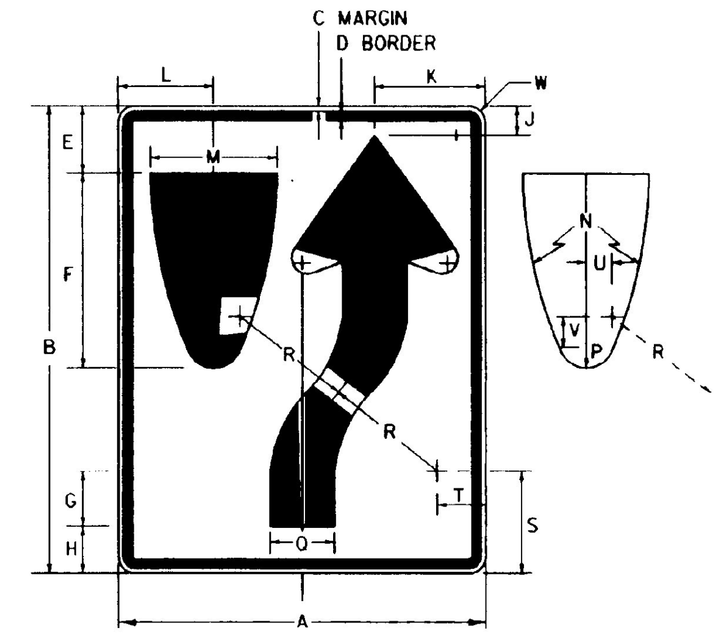


VR-032



VR-278

M4-1A

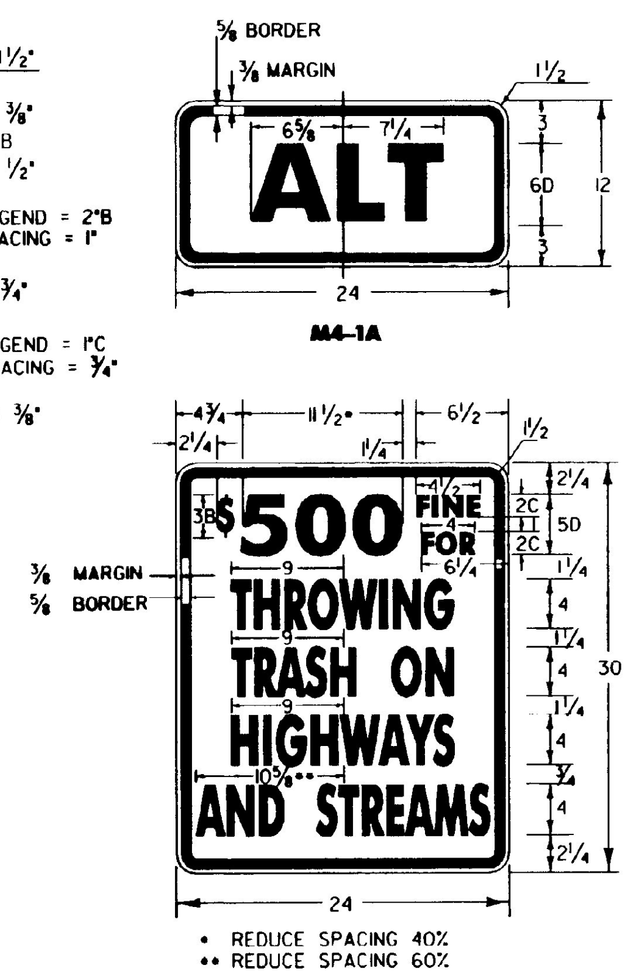


R4-7

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	J	K
MIN	18	24	3/8	5/8	3 3/8	9 3/8	1 7/8	2 1/4	1 3/8	5 1/2
STD	24	30	3/8	5/8	4 1/2	12 1/2	2 1/2	3	1 7/8	7 3/8
EXPWY	36	48	5/8	7/8	6 3/4	18 3/4	3 3/4	4 1/2	2 13/16	11 1/8
FWY	48	60	3/4	1 1/4	9	25	5	6	3 3/4	14 13/16
	L	M	N	P	Q	R	S	T	U	V	W
MIN	4 11/16	6	22 1/2	1 1/2	3	6 3/4	4 1/8	2 1/4	1 1/16	7/16	1 1/2
STD	6 1/4	8	30	2	4	9	5 1/2	3	1 3/8	2 13/16	1 1/2
EXPWY	9 3/8	12	45	3	6	13 1/2	8 1/4	4 1/2	2	2 3/4	2 1/4
FWY	12 1/2	16	60	4	8	18	11	6	2 11/16	5	3

VR-648

VR-541



• REDUCE SPACING 40%
•• REDUCE SPACING 60%

VR-023b

GENERAL:

1. ALL DIMENSIONS IN INCHES.

COLORS:

THE REGULATORY SIGNS SHOWN ON THIS SHEET SHALL HAVE BLACK TEXT ON REFLECTORIZED WHITE BACKGROUND, UNLESS OTHERWISE NOTED. THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS AND APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

MATERIALS:

THE SIGN BASE MATERIALS USED FOR REGULATORY SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING OF THE MINIMUM THICKNESS NOTED.

	12'' X 18'' 18'' X 24''	24'' X 12'' 24'' X 24'' 24'' X 30'' 24'' X 36'' 30'' X 24''	36'' X 48'' 48'' X 60''
FLAT SHEET ALUMINUM	0.060''	0.080''	0.100''
HIGH DENSITY OVERLAID PLYWOOD	1/2''	1/2''	5/8''
GALVANIZED FLAT SHEET STEEL	18 GAGE	16 GAGE	14 GAGE

THE REFLECTIVE MATERIAL FOR GROUND MOUNTED SIGNS SHALL BE AASHTO TYPE II OR III WHITE REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. WHEN MOUNTED OVERHEAD, ALL SIGNS SHALL HAVE ENCAPSULATED LENS REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE TEXT OF THE SIGNS MAY BE LETTERING FILM, SILK SCREENED OR HAND PAINTED. HAND PAINTING MUST BE COMPARABLE IN QUALITY TO THE RESULTS OBTAINED BY SILK SCREENING.

SPECIFICATIONS:

REGULATORY SIGNS SHALL MEET THE VERMONT STANDARD SPECIFICATIONS FOR TRAFFIC SIGNS.

TEXT DESIGN:

LETTERS, DIGITS, ARROWS, SPACING AND TEXT DIMENSIONS SHALL CONFORM WITH THE ''STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS'' AND DESIGNS PRESCRIBED IN THE STANDARD HIGHWAY SIGNS AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

OTHER STDS. : NONE REQUIRED

REVISIONS AND CORRECTIONS

JAN. 23, 1989 - DATE OF ORIGINAL ISSUE
SEPT. 20, 1995 - ADDED AND DELETED SIGN DETAILS. ADDED SIGN ID NUMBERS, MINOR NOTE REVISIONS
FEB. 2, 1998 - REMOVED VR-023, REPLACED WITH VR-278

APPROVED

DIRECTOR OF PROJECT DEVELOPMENT

DIRECTOR OF CONSTRUCTION AND MAINTENANCE

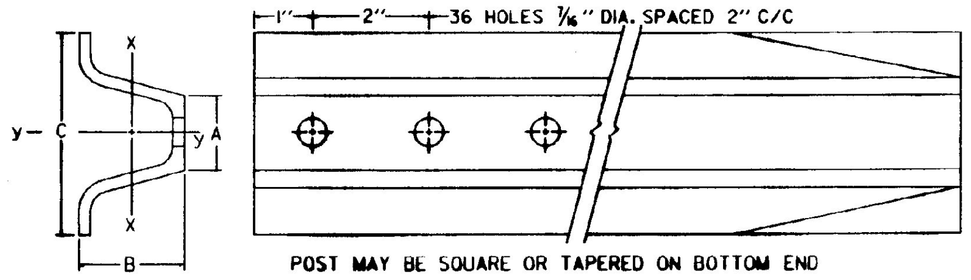
REGULATORY SIGN DETAILS

/traf/std/stdel44.dgn: stdel44.i

VERMONT AGENCY OF TRANSPORTATION

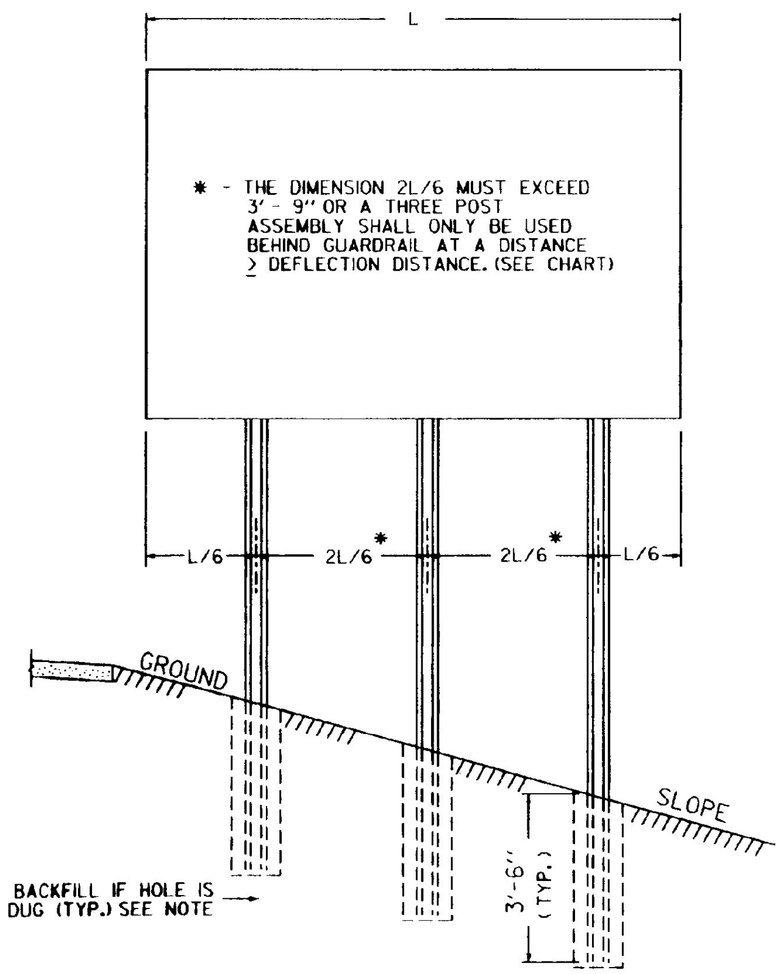
STANDARD
E-144

AS BUILTS
DATE: 7/21/99



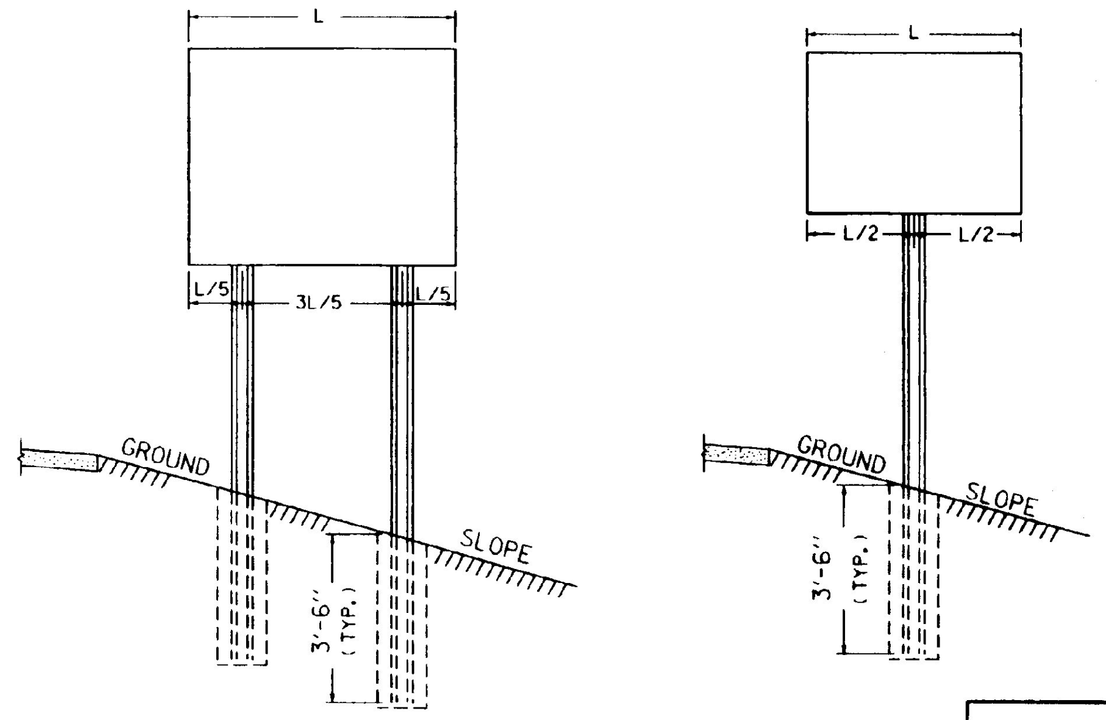
POST SIZE (LB/FT.)	DIMENSIONS			SECTION MODULUS, X-X
	A	B	C	
2	1 9/32"	1 3/64"	3 1/16"	0.225 IN.^{3}
3	1 5/16"	1 7/8"	3 1/2"	0.403 IN.^{3}

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



MULTI-POST INSTALLATIONS

WHEN SIGN POSTS ARE INSTALLED WITH A POST SPACING OF LESS THAN 8 FEET, POST SIZES MUST BE SELECTED TO INSURE THAT WHEN ACTING TOGHETHER THE POSTS DO NOT CREATE A HAZARD, REFER TO V.A.O.T. SIGN POST DESIGN GUIDELINE FOR ADDITIONAL DETAILS.



GENERAL NOTES

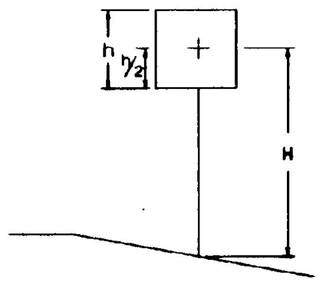
CONSTRUCTION METHODS - POSTS MAY BE DRIVEN OR SET IN A DUG HOLE AND BACKFILLED. IF DRIVEN, A DRIVING CAP SHALL BE USED. THE DUG HOLE INSTALLTION SHALL BE USED IN AREAS OF POOR SOIL CONDITIONS OR AS DIRECTED BY THE RESIDENT ENGINEER. BACKFILL SHALL BE COMPACTED AS DIRECTED BY THE RESIDENT ENGINEER.

IN AREAS WHERE LEDGE ROCK IS ENCOUNTERED, POSTS WILL BE SET IN A HOLE WITH 2" CLEARANCE AND GROUTED WITH TYPE 4 MORTAR 24" BELOW THE SURFACE OF THE SOLID ROCK. UNLESS THE POSTS PENETRATE THE GROUND A MINIMUM OF 3'-6". THE PORTION OF THE POST IN CONTACT WITH THE MORTAR SHALL BE COATED WITH AN APPROVED COATING.

SIGN CLEARANCES - HORIZONTAL AND VERTICAL SIGN CLEARANCES SHALL BE SHOWN ON THE PLANS OR THE APPROPRIATE STD. SHEETS.

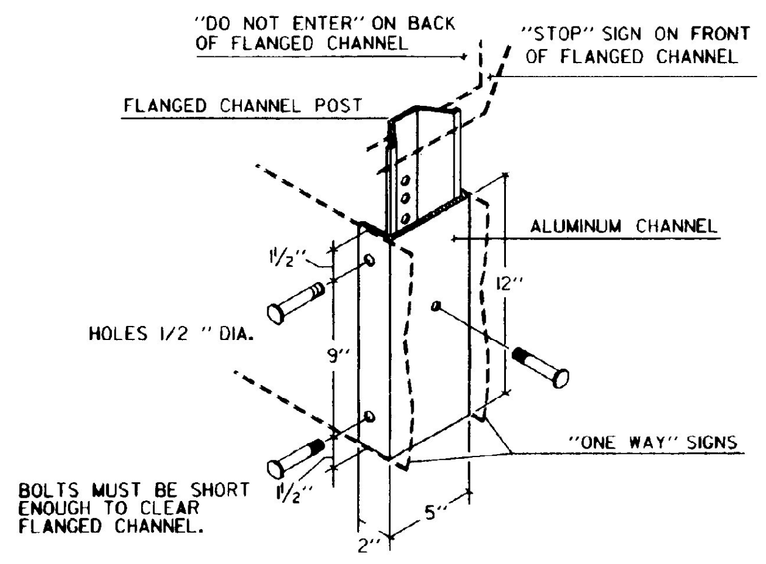
SINGLE POST INSTALLATIONS SHALL BE LIMITED TO A SIGN AREA OF 12-1/2 SQ.FT. OR LESS.

POST SPACING DETAILS



POST SELECTION CHART		
SIGN AREA (FT^2) 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) 0.60 Fy
2 LB/FT. (TWO POST INSTALLATION)	62	
3 LB/FT.	107	

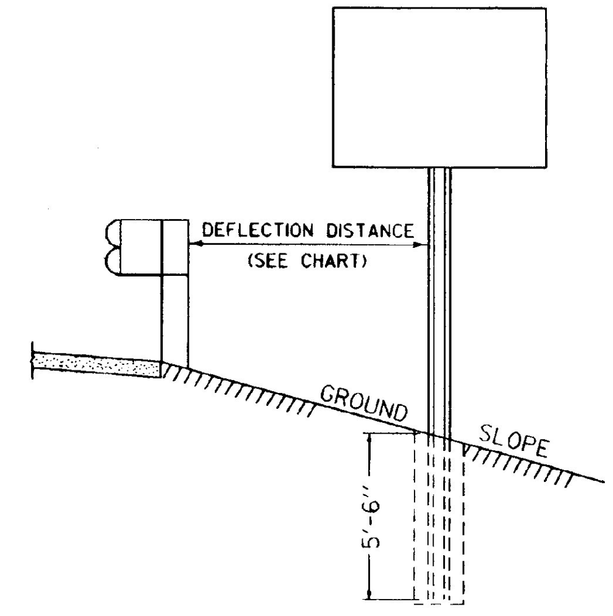
SINGULAR 2 LB./FT. POSTS SHALL ONLY TO BE USED IN URBAN AREAS.



DETAIL OF TYPE "A" OR "B" MOUNTING BRACKET. SEE STANDARD E-120 FOR CLEARANCES.

GUARDRAIL DEFLECTION CHART (PER AASHTO - ROADSIDE DESIGN GUIDE - 1988)			
TYPE		GR POST SPACING	DEFLECTION
THREE CABLE	W/STEEL POSTS	16'-0"	12'
	W/WOODEN POSTS	12'-6"	12'
W-BEAM	W/WEAK POST	12'-6"	7'
	W/STRONG POST	6'-3"	3'
BOX BEAM		6'-0"	5'
THRIE BEAM	W/WEAK POST	12'-6"	4'
	W/STRONG POST	6'-3"	2'

THIS CHART LISTS THE THEORETICAL DEFLECTION DISTANCE UPON IMPACT OF VARIOUS GUARDRAIL WITH DIFFERENT TYPES AND SPACING OF POSTS.



WHEN USING FLANGED CHANNEL POSTS ON STEEP SLOPES (1ON 2 OR STEEPER FILL SLOPES BEHIND GUARDRAIL), ADD 2' EMBEDDMENT TO THE POST LENGTH TO GIVE THE ASSEMBLY MORE STABILITY. HOWEVER IF SIGN POST IS LOCATED INSIDE THE DEFLECTION DISTANCE, THE SIGN POST SHALL BE SET AT A DEPTH OF 3'-6".

OTHER STDS. REQUIRED:

REVISIONS AND CORRECTIONS

SEP. 10, 1987 - DATE OF ORIGINAL ISSUE
MAR. 01, 1988 - FHWA REVIEW COMMENTS
OCT. 21, 1992 - ADDED DETAILS, REVISED NOTES & REVISED TITLE BLOCK
AUG. 18, 1995 - DELETION OF 2.5 #/FT. POST AND TWO-RAIL ALUMINUM. ADDED ADDITIONAL NOTE.

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

APPROVED

DIRECTOR OF ENGINEERING

TRAFFIC AND SAFETY ENGINEER

FLANGED CHANNEL STEEL SIGN POST

/traf/std/stdel60.dgn : stdel60.1

VERMONT AGENCY OF TRANSPORTATION

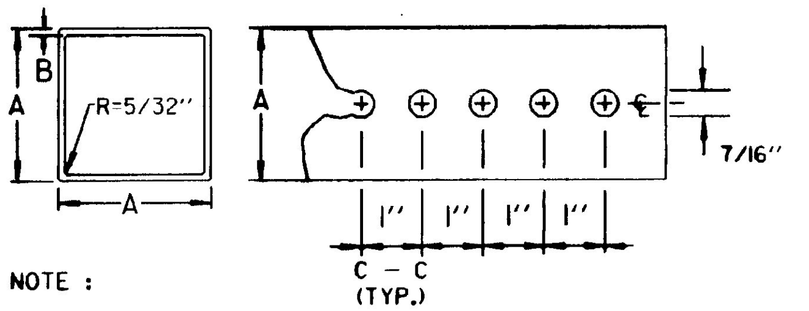
STANDARD E-160

AS BUILTS
DATE: 2/21/99

GUARDRAIL DEFLECTION CHART
(PER AASHTO - ROADSIDE DESIGN GUIDE - 1988)

TYPE		GR POST SPACING	DEFLECTION
THREE CABLE	W/STEEL POSTS	16' - 0"	12'
	W/WOODEN POSTS	12' - 6"	12'
W-BEAM	W/WEAK POST	12' - 6"	7'
	W/STRONG POST	6' - 3"	3'
BOX BEAM		6' - 0"	5'
THRIE BEAM	W/WEAK POST	12' - 6"	4'
	W/STRONG POST	6' - 3"	2'

THIS CHART LISTS THE THEORETICAL DEFLECTION DISTANCE UPON IMPACT OF VARIOUS GUARDRAIL WITH DIFFERENT TYPES AND SPACING OF POSTS.



NOTE :

THE POSTS SHALL BE CAREFULLY FORMED OF STEEL WITH A MINIMUM YIELD OF 55,000 PSI, INTO A SIZE AND SHAPE WITH CORNERS INDUCTION WELDED IN SUCH A MANNER THAT NEITHER FLASH NOR WELD SHALL INTERFERE WITH THE TELESCOPING PROPERTIES, NOR DAMAGE THE GALVANIZING.

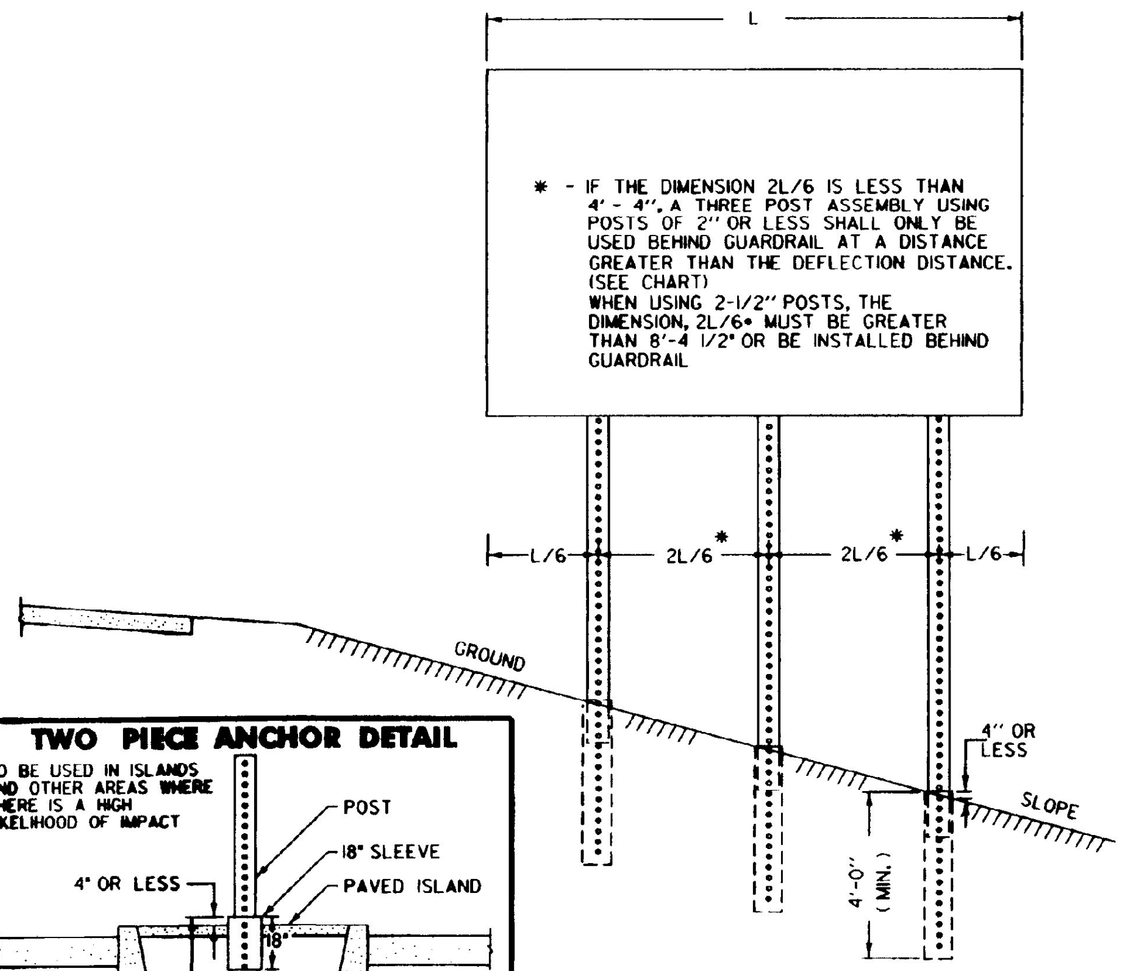
- THE WALL THICKNESS TOLERANCES SHALL BE +.005 AND -.010 FOR THE 12 GAUGE.
  THE WALL THICKNESS TOLERANCES SHALL BE +.002" AND -.008" FOR THE 14 GAGE.

DIMENSION DETAILS AND POST SELECTION CHART

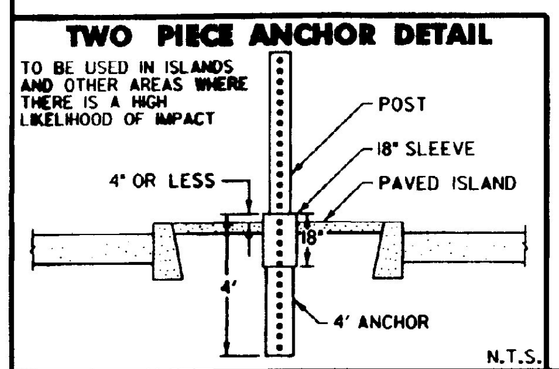
POST SELECTION CHART								
SIGN AREA (FT²) X H (FT) ≤ SV (SELECTION VALUE)								
POST SIZE	DIMENSIONS			SECTION MODULUS IN³	ONE POST Sv	TWO POST Sv	THREE POST Sv	NUMBER PERMITTED IN 8' PATH
LBS/FT.	A	*B	GAUGE					
2.30	1-3/4"	.083	14	0.231	74	148	222	TWO
2.65	2"	.083	14	0.296	95	190	286	TWO
3.35	2-1/2"	.105	12	0.642	206	412	616	ONE

DESIGN CRITERIA:

WIND SPEED = 60 MPH (10 -YEAR MEAN RECURRENCE INTERVAL)
WIND PRESSURE = 13 PSF
STEEL MINIMUM YIELD = 55,000 PSI
ALLOWABLE STRESS = (1.4) 0.60 FY

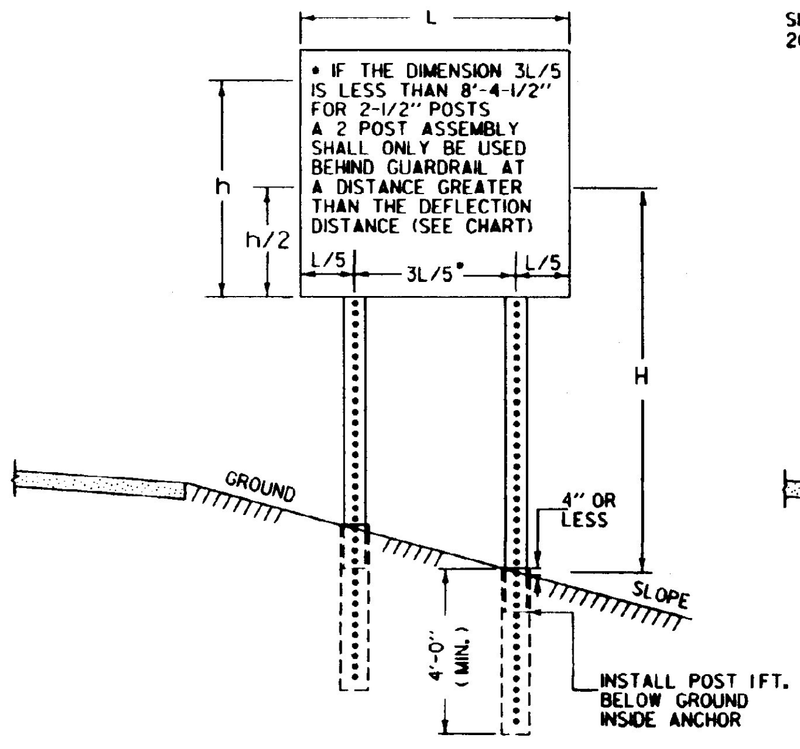


TWO PIECE ANCHOR DETAIL



N.T.S.

MULTI-POST INSTALLATIONS



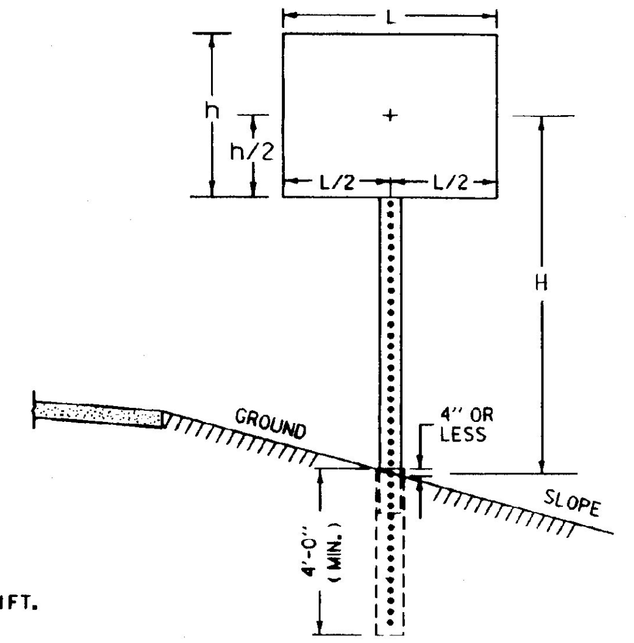
POST SPACING DETAILS

GENERAL NOTES

CONSTRUCTION METHODS - POSTS MAY BE DRIVEN OR SET IN A DUG HOLE AND BACKFILLED. IF DRIVEN, A DRIVING CAP SHALL BE USED. THE DUG HOLE INSTALLATION SHALL BE USED IN AREAS OF POOR SOIL CONDITIONS OR AS DIRECTED BY THE RESIDENT ENGINEER. BACKFILL SHALL BE COMPACTED AS DIRECTED BY THE RESIDENT ENGINEER.

SIGN CLEARANCES - HORIZONTAL AND VERTICAL SIGN CLEARANCES SHALL BE SHOWN ON THE PLANS OR THE APPROPRIATE STD. SHEETS.

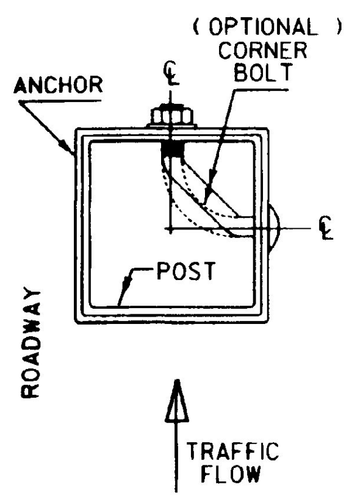
SINGLE POST INSTALLATIONS SHALL BE LIMITED TO A SIGN AREA OF 20 SQ. FT. OR LESS



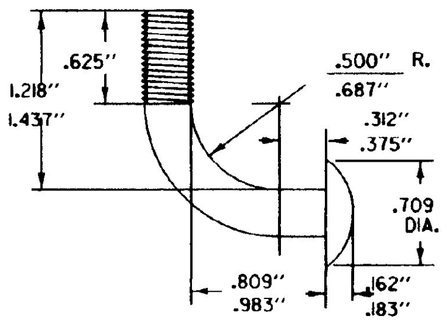
NOTE

WHEN USING SQUARE STEEL POSTS ON STEEP SLOPES (1ON 2 OR STEEPER) ADD ONE FOOT EMBEDMENT FOR GREATER STABILITY.

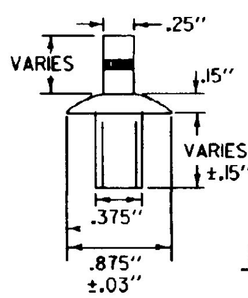
TOP VIEW OF ANCHOR, POST AND BOLT



OPTIONAL CORNER BOLT DETAILS



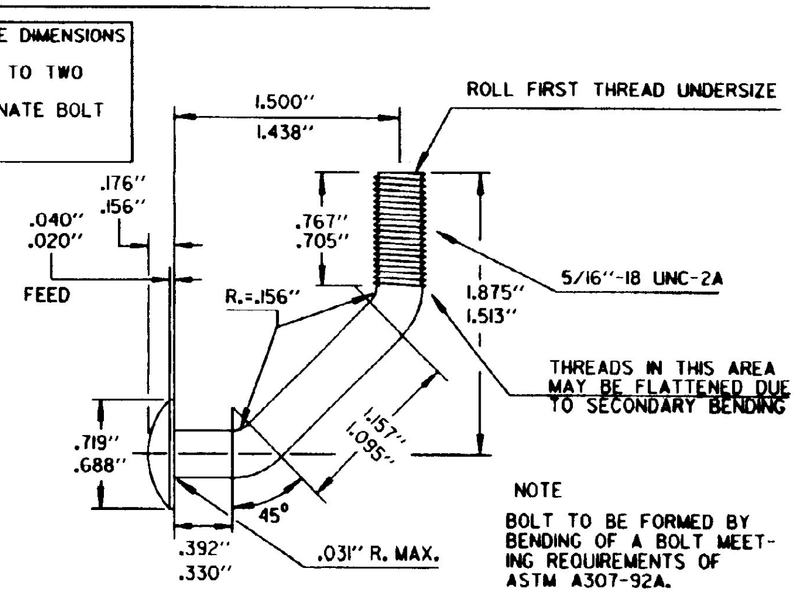
FOR 1-3/4" TO 2-1/2" SQ. TUBE
BOLT SIZE VARIES WITH POST SIZE



THIS DRIVE RIVET MAY BE SUBSTITUTED FOR EITHER OF THE CORNER BOLTS SHOWN ABOVE OR TO THE RIGHT.

DRIVE RIVET

DOUBLE DIMENSIONS REFER TO TWO ALTERNATE BOLT SIZES.

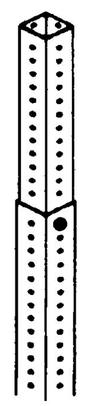


NOTE

BOLT TO BE FORMED BY BENDING OF A BOLT MEETING REQUIREMENTS OF ASTM A307-92A.

• DIMENSIONS VARY AS NEEDED FOR POST SIZE USED

CONNECTION DETAIL



POST IS TO BE INSERTED INTO ANCHOR ONE FOOT BELOW GROUND LEVEL. ANCHOR IS TO BE 4'-0" MINIMUM LENGTH WITH NO MORE THAN 4" ABOVE GROUND. ANCHOR IS ONE SIZE (1/4") GREATER THAN THE POST AND ALL ANCHORS ARE TO BE 12 GAGE EXCEPT ANCHORS FOR 2-1/2" POSTS ARE TO BE 7 GAGE. CONNECTION IS TO BE MADE USING THE BOLT PROVIDED WITH THE SIGN SYSTEM (SEE DETAILS LEFT), AT THE TOP HOLE IN THE ANCHOR (APPROXIMATELY 3-1/2" ABOVE GROUND). THREE INCH ANCHORS WHICH DO NOT HAVE HOLES ON 1" CENTERS WILL REQUIRE DRILLING OF 7/16" HOLES FOR CONNECTIONS.

(SEE DETAIL LEFT FOR BOLT PLACEMENT)

OTHER STDS. REQUIRED: B-120, B-160

REVISIONS AND CORRECTIONS

APR. 27, 1994 - DATE OF ORIGINAL ISSUE
JUL. 21, 1994 - REVISED POST GAUGES
AUG. 18, 1995 - ADDED TWO PIECE ANCHOR DETAIL

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

APPROVED

DIRECTOR OF ENGINEERING

TRAFFIC AND SAFETY ENGINEER

PRELIMINARY

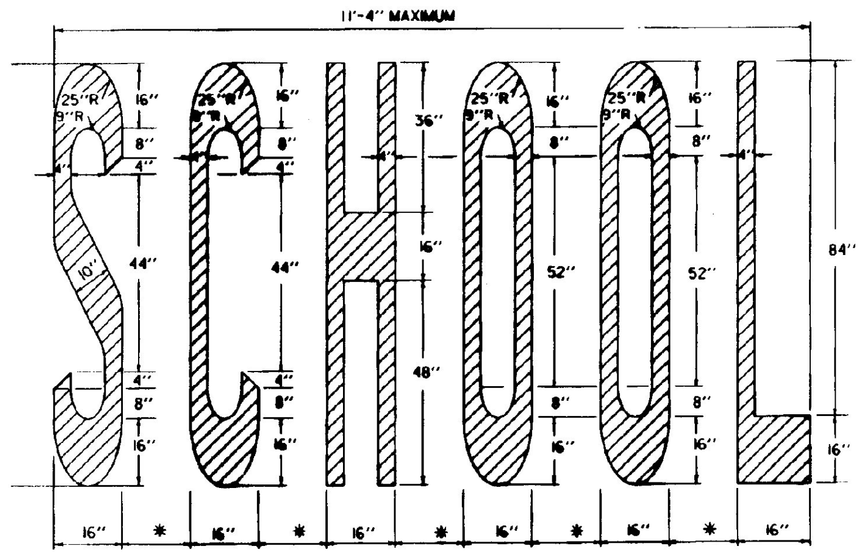
SQUARE STEEL SIGN POST

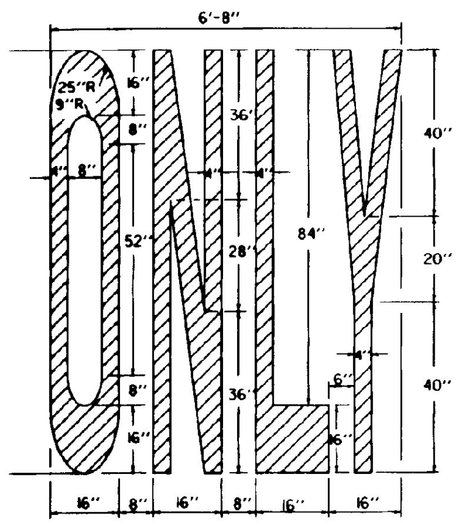
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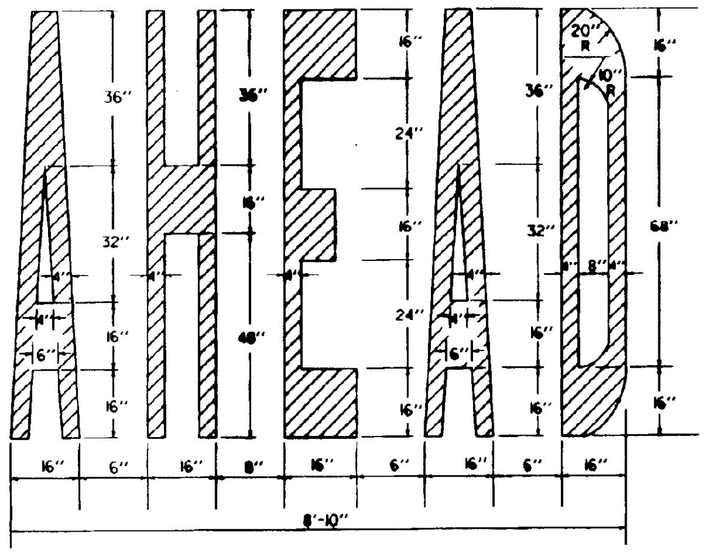
VERMONT AGENCY OF TRANSPORTATION

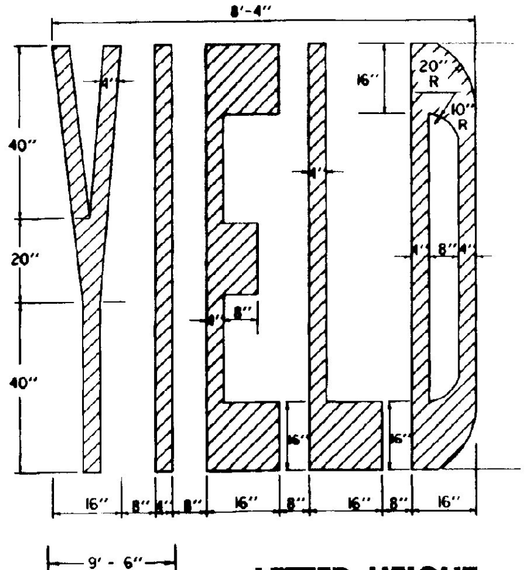
STANDARD E-164

AS BUILT
DATE: 7/21/99



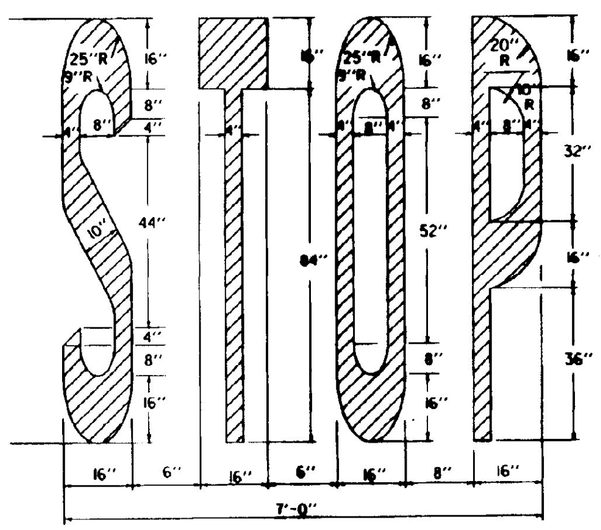




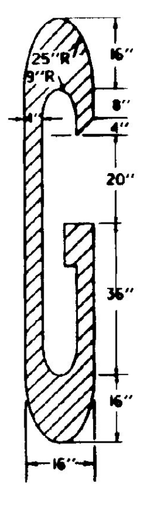


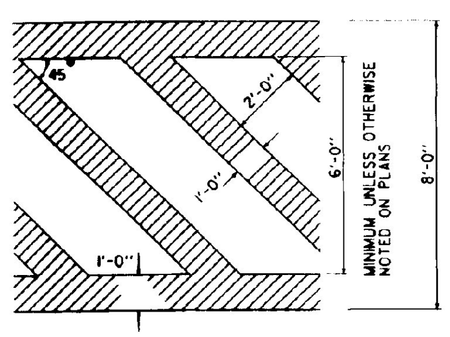
LETTER HEIGHT

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.



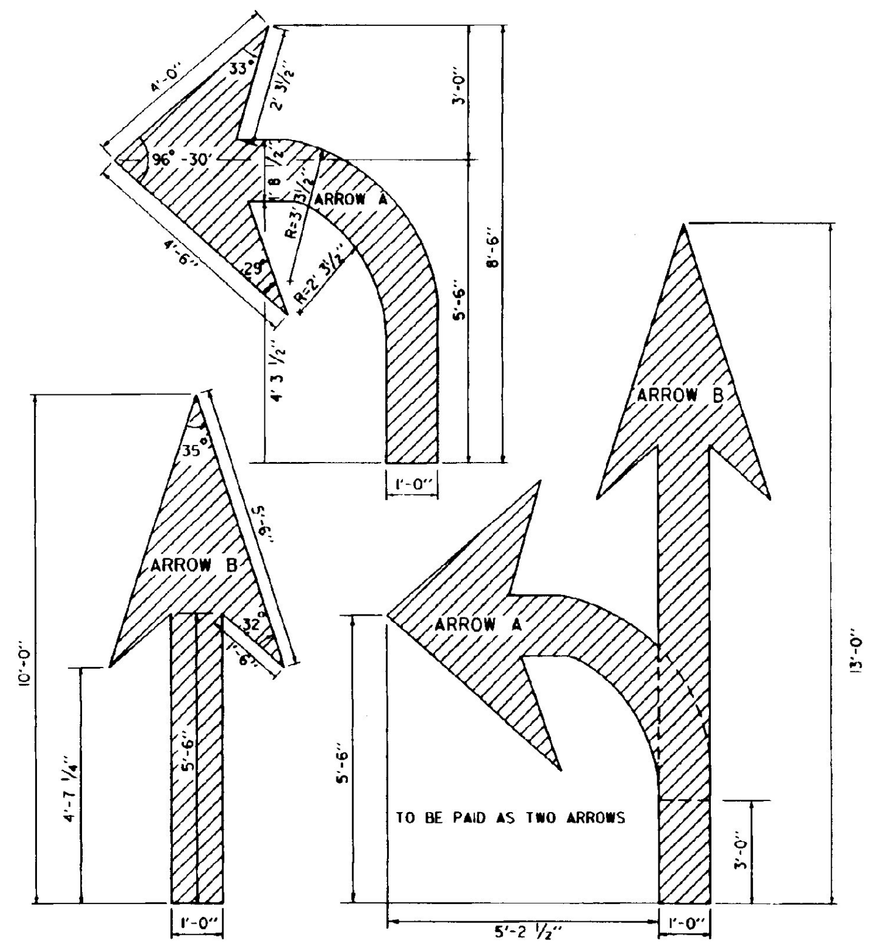
THE LETTER "G" PERTAINS TO THE WORD "SIGNAL" FOR OTHER LETTERS, SEE ABOVE.



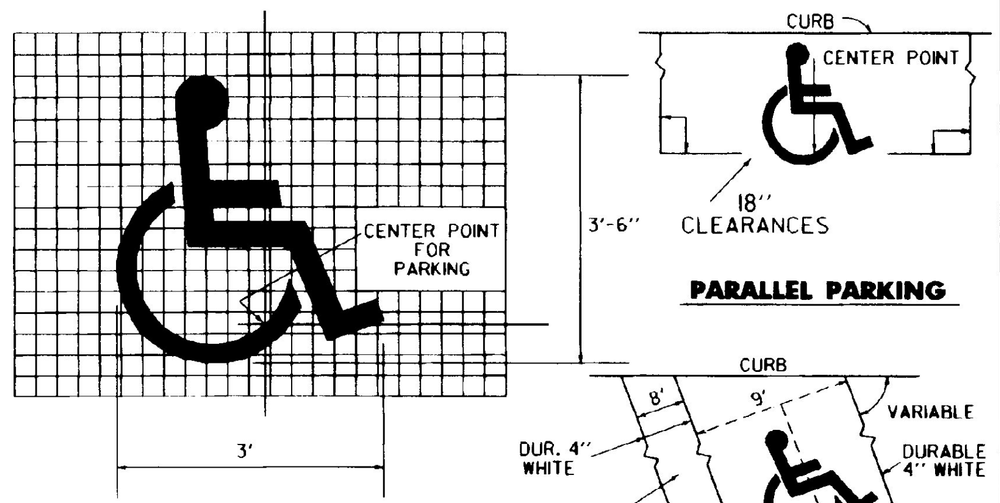


ARROWS AND WORD MARKINGS THAT CONFORM TO THE DIMENSIONS SHOWN ON THIS SHEET OR AS DETAILED IN THE BOOKLET ENTITLED "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION) PREPARED BY THE FEDERAL HIGHWAY ADMINISTRATION WILL BE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

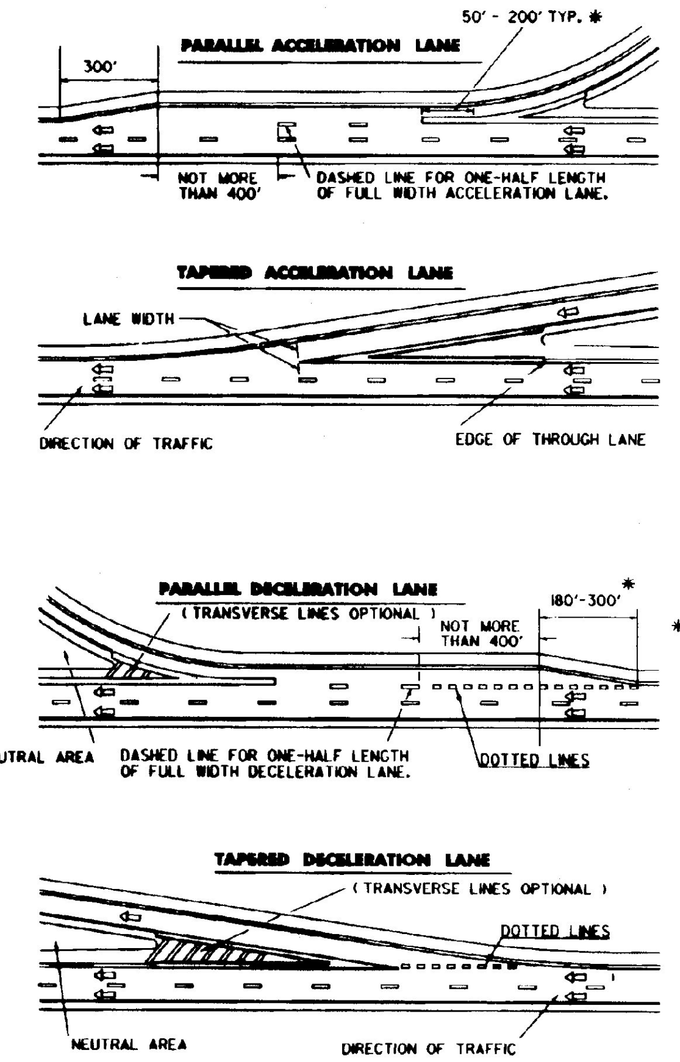
LETTER IN WORD MARKING AND CROSSWALK DETAILS



ARROW DETAILS



HANDICAPPED PAVEMENT MARKING DETAILS

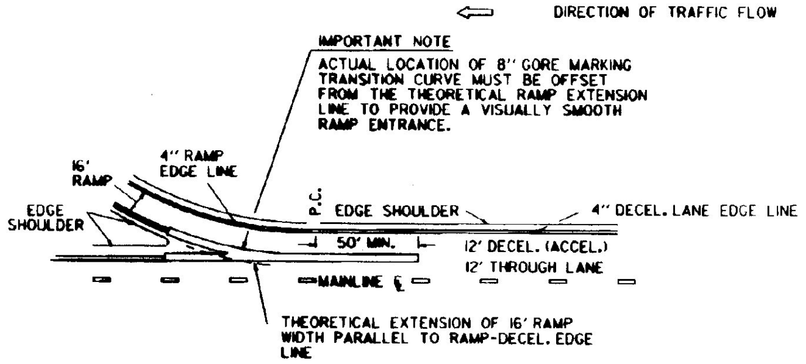


TRANSVERSE LINES SHALL CONSIST OF 8" WHITE LINES SPACED 5'-0" C-C AND SET AT 45° TO MAIN LINE EDGE LINES. THESE MARKINGS SHALL BE USED TO INCREASE VISIBILITY DUE TO DIFFICULT VERTICAL OR HORIZONTAL ALIGNMENT, AS DIRECTED BY THE RESIDENT ENGINEER.

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

DIRECTOR OF ENGINEERING

TRAFFIC AND SAFETY ENGINEER

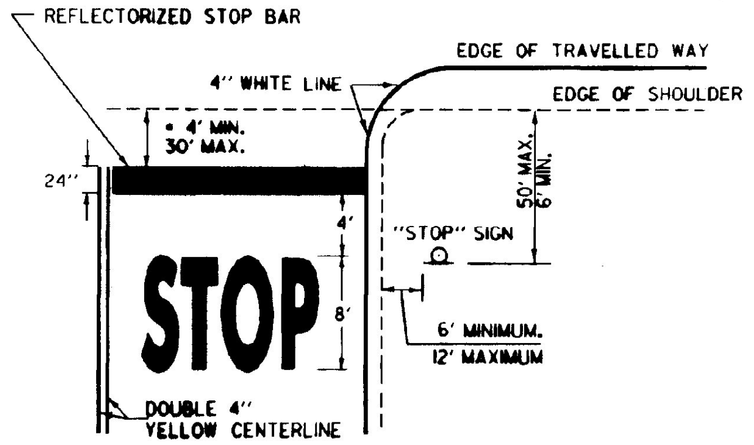
PAVEMENT MARKING DETAILS.

/traf/std/stdel91.dgn/stdel91.1

VERMONT AGENCY OF TRANSPORTATION

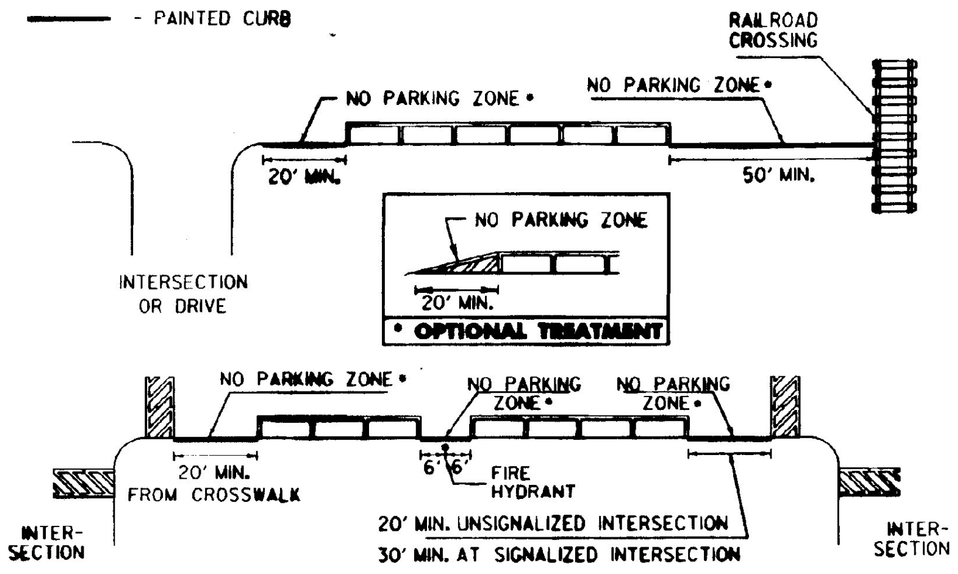
STANDARD
E-191

AS BUILTS
DATE: 7/21/99

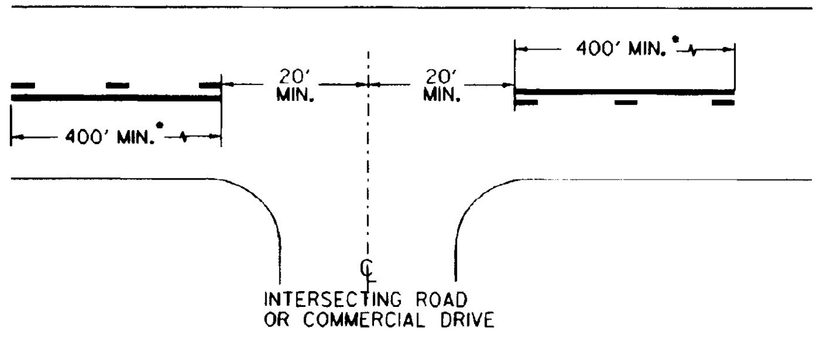


• THE "DESIRED STOPPING POINT" IS THE LOCATION BASED ON SITE CONDITIONS THAT BEST ALLOWS THE STOPPED VEHICLE TO VIEW THE APPROACHING TRAFFIC.

STOP BAR LAYOUT



NO PARKING LAYOUT DETAILS



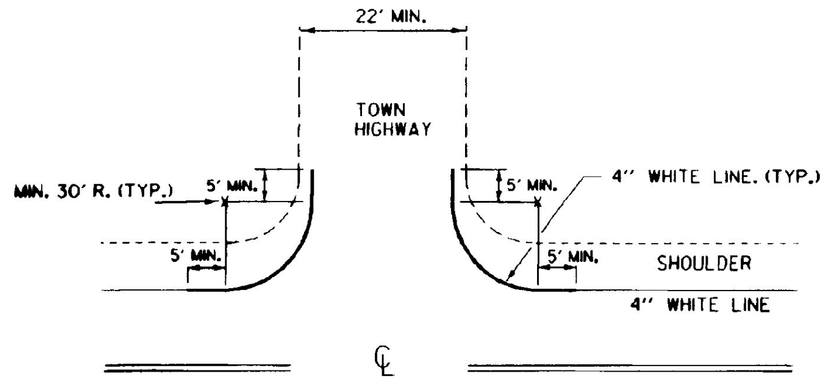
• THE SOLID LINE SHALL BE PAIRED WITH EITHER A SOLID OR DASHED LINE DEPENDING ON SIGHT DISTANCE AVAILABILITY IN THE OPPOSING DIRECTION. ADJUSTMENTS TO THE 40 FOOT CENTERLINE OPENING MAY BE MADE TO ACCOMMODATE SKEWED INTERSECTIONS.

CENTERLINE BREAKES:

A. AT ALL STATE HIGHWAYS AND TOWN HIGHWAYS, INCLUDING CLASS 4 TH'S. THAT HAVE STOP AND LEGAL LOAD LIMIT SIGNS INSTALLED

B. COMMERCIAL DRIVES:
1. WHERE A SEPERATE TURN LANE EXISTS ON THE MAIN LINE (LT. OR RT.)
2. SIGNIFICANT TRAFFIC VOLUMES EXISTS.
3. IF MOTORISTS NEED ASSISTANCE TO DEFINE ENTRANCE POINTS.

CENTERLINE LAYOUT

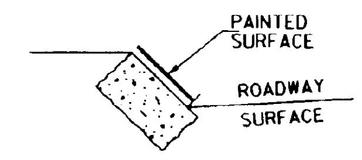


EDGELINES SHALL BE APPLIED TO ALL STATE HIGHWAYS AND SHOULD BE MAINTAINED AT A CONSTANT DISTANCE FROM THE CENTERLINE UNLESS PAVEMENT WIDTH INCREASES TO ALLOW WIDER LANES.

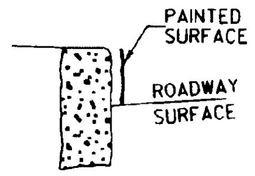
APPLY EDGELINE AS DETAILED ON ALL PAVED CLASS 1 & CLASS 2 TOWN HIGHWAYS AND ANY CLASS 3 TOWN HIGHWAY 22 FEET OR MORE IN WIDTH.

IF MIN. 30 FOOT RADIUS CANNOT BE OBTAINED, OR THE TOWN HIGHWAY IS NOT PAVED, BREAK THE EDGELINE USING AN 80 FOOT GAP AT INTERSECTION.

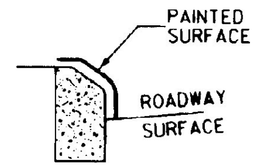
EDGELINE LAYOUTS



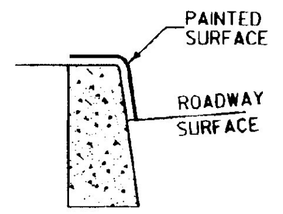
GRANITE SLOPE EDGING



VERTICAL GRANITE CURB

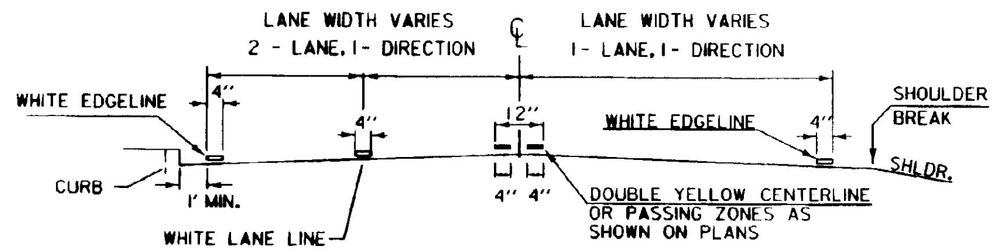


TYPE A (CONCRETE)

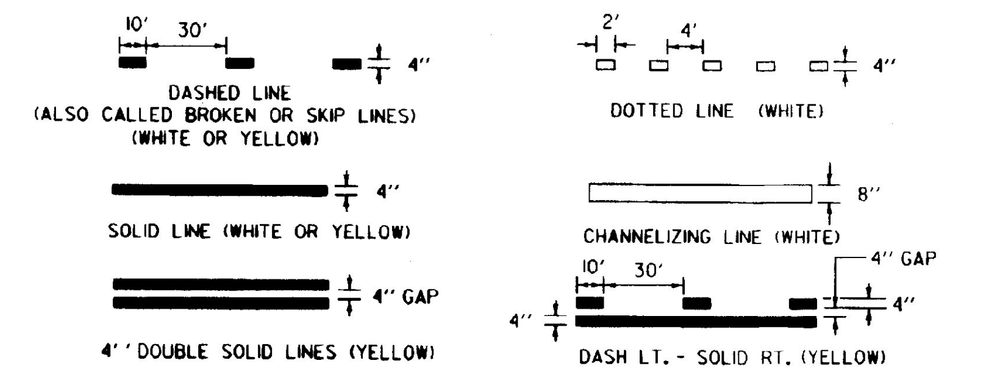


TYPE B (CONCRETE)

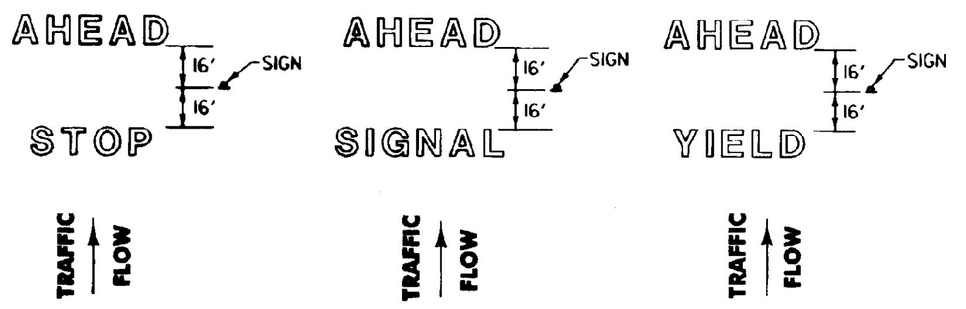
PAINTED CURB



PAVEMENT MARKING PLACEMENT DETAIL

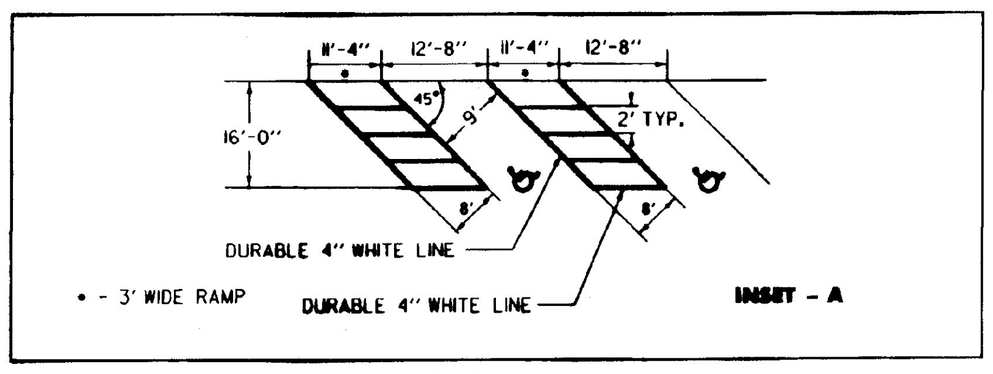


PAVEMENT MARKING LINE DETAILS

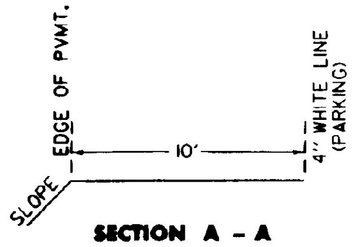


LETTER IN WORD MARKING SPACING DETAIL

NOTE: SINGLE WORDS CENTERED ON SIGN ie: SCHOOL OR YIELD

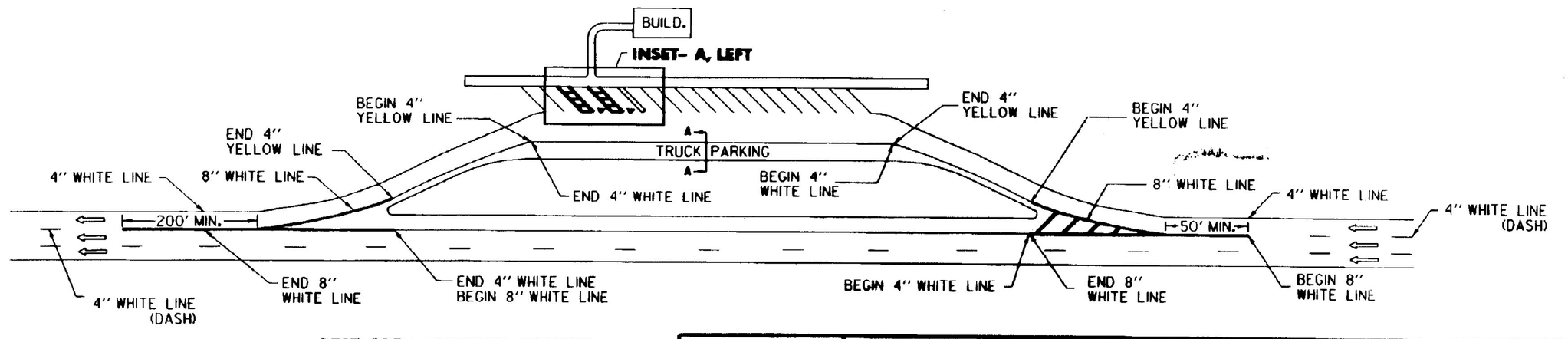


NOTE:
SEE STANDARD SHEET E-191 FOR HANDICAP SYMBOL POSITIONING AND DETAIL.



SECTION A - A

TRUCK PARKING DETAIL



REST AREA PARKING DETAILS

THIS SHEET IS NOT TO SCALE

OTHER STDS. E - 191, E - 192 REQUIRED

REVISIONS AND CORRECTIONS

AUG. 18, 1995 - DATE OF ORIGINAL ISSUE

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

APPROVED

DIRECTOR OF ENGINEERING

TRAFFIC AND SAFETY ENGINEER

PAVEMENT MARKING DETAILS

/traf/std/stdel93.dgn/stdel93.i

VERMONT AGENCY OF TRANSPORTATION

STANDARD
E-193