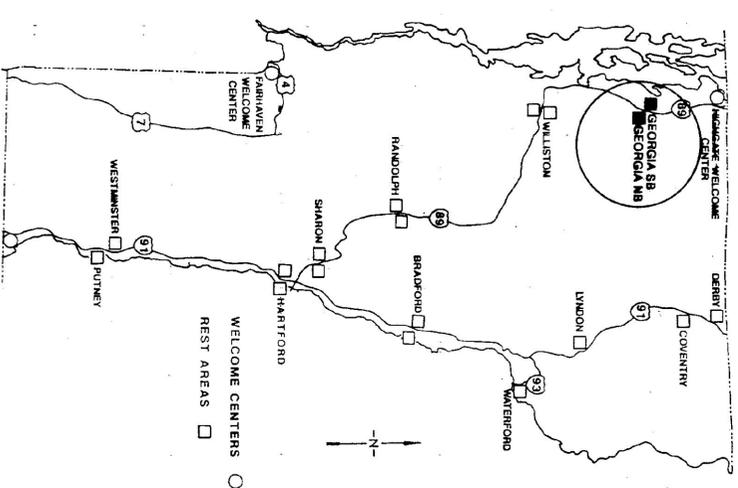


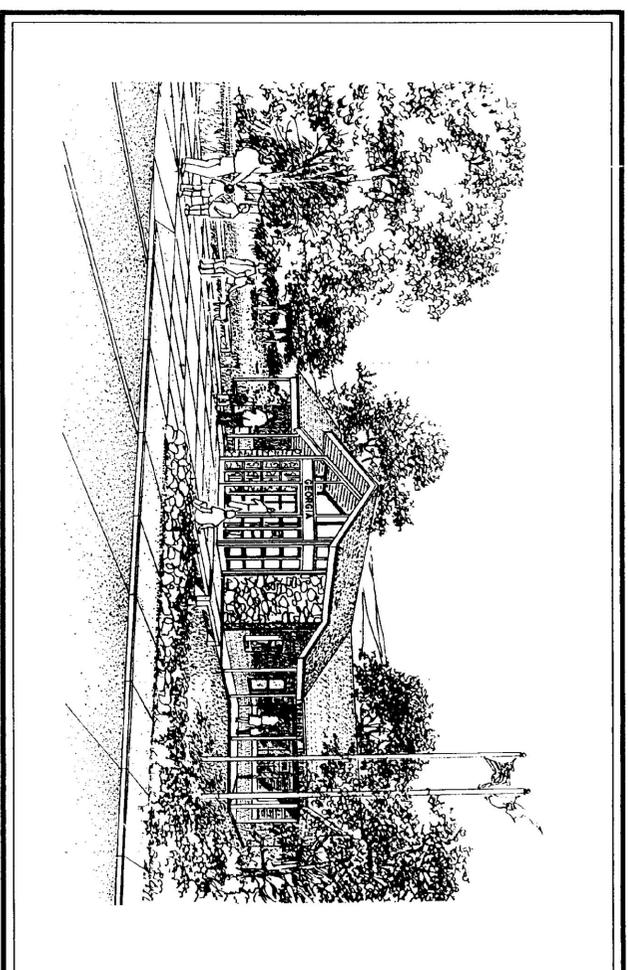
NEW SEWER LINE AND RENOVATIONS TO THE I-89 GEORGIA NORTH BOUND AND SOUTH BOUND REST AREAS

Federal Project No. IM 089-3 (30)

AUGUST 21, 1998



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



FHWA: *Maud S. Rickett*
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. TORFI

ARCHITECT:

DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
1795 WILLISTON ROAD • SOUTH BURLINGTON • VERMONT
(802)863-1428

MECH./ELEC./PLUMB.:

N.F. LAURENCE & ASSOCIATES
113 WEST MAIN STREET • NORTHBOROUGH • MASSACHUSETTS
(508)393-6412

CIVIL ENGINEERING:

CROSS CONSULTING ENGINEERING
228 NORTH MAIN STREET • ST. ALBANS • VERMONT
(802)524-2113

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 16, 1990 FOR USE ON THIS PROJECT. INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISION AS ARE INCORPORATED IN THESE PLANS.

PROJECT LOCATION

DRAWINGS LIST

- 8-1-0 NORTHBOUND DEMOLITION PLAN
- 8-1-1 NORTHBOUND SITE PLAN
- 8-1-2 NORTHBOUND LANDSCAPING PLAN
- 8-1-3 DETAILS
- 8-1-4 SOUTHBOUND DEMOLITION PLAN
- 8-2-0 SOUTHBOUND SITE PLAN
- 8-2-2 SOUTHBOUND LANDSCAPING PLAN
- 8-3-0 PLAN AND PROFILE
- 8-3-1 PLAN AND PROFILE
- 8-3-2 PLAN AND PROFILE
- 8-3-3 PLAN AND PROFILE
- 8-3-4 PLAN AND PROFILE
- 8-3-5 PLAN AND PROFILE
- 8-3-6 TRAFFIC CONTROL SIGNAGE
- 8-3-7 DETAILS
- 4-1-0 SYMBOLS / LEGEND AND NOTES
- 4-1-1 NORTHBOUND BUILDING ELEVATIONS
- 4-2-0 NORTHBOUND BUILDING PLAN
- 4-2-1 SOUTHBOUND BUILDING ELEVATIONS
- 4-3-0 BUILDING VESTIBULE
- 4-3-1 WOOD FRAME / REFLECT. CGE PLAN
- 4-3-2 INTERIOR ELEVATIONS
- 4-3-3 FOLDING TABLE / DOOR AND WINDOW SCHED.
- 4-3-4 MISCELLANEOUS DETAILS
- 4-3-5 MISCELLANEOUS DETAILS
- 4-3-6 SIGNS
- P-1-0 NORTHBOUND PLUMBING PLANS
- P-1-10 NORTHBOUND HEATING & VENTILATING PLANS / LEGEND
- P-1-0 NORTHBOUND ELECTRICAL PLANS
- P-2-0 SOUTHBOUND PLUMBING PLANS
- E-2-0 SOUTHBOUND HEATING AND VENTILATING PLANS
- P-3-0 SOUTHBOUND ELECTRICAL FLOOR PLANS
- P-3-10 PLUMBING LEGEND / DETAILS
- E-3-0 ELECTRICAL LEGEND / DETAILS
- TEC-1 TEMPORARY RAMP CLOSURE
- E-100 CONSTRUCTION APPROACH SIGNS
- E-106 TRAFFIC CONTROL MISCELLANEOUS DETAILS
- 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 PAYMENT MARKING DETAILS
- E-193 PAYMENT MARKING DETAILS

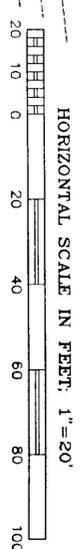
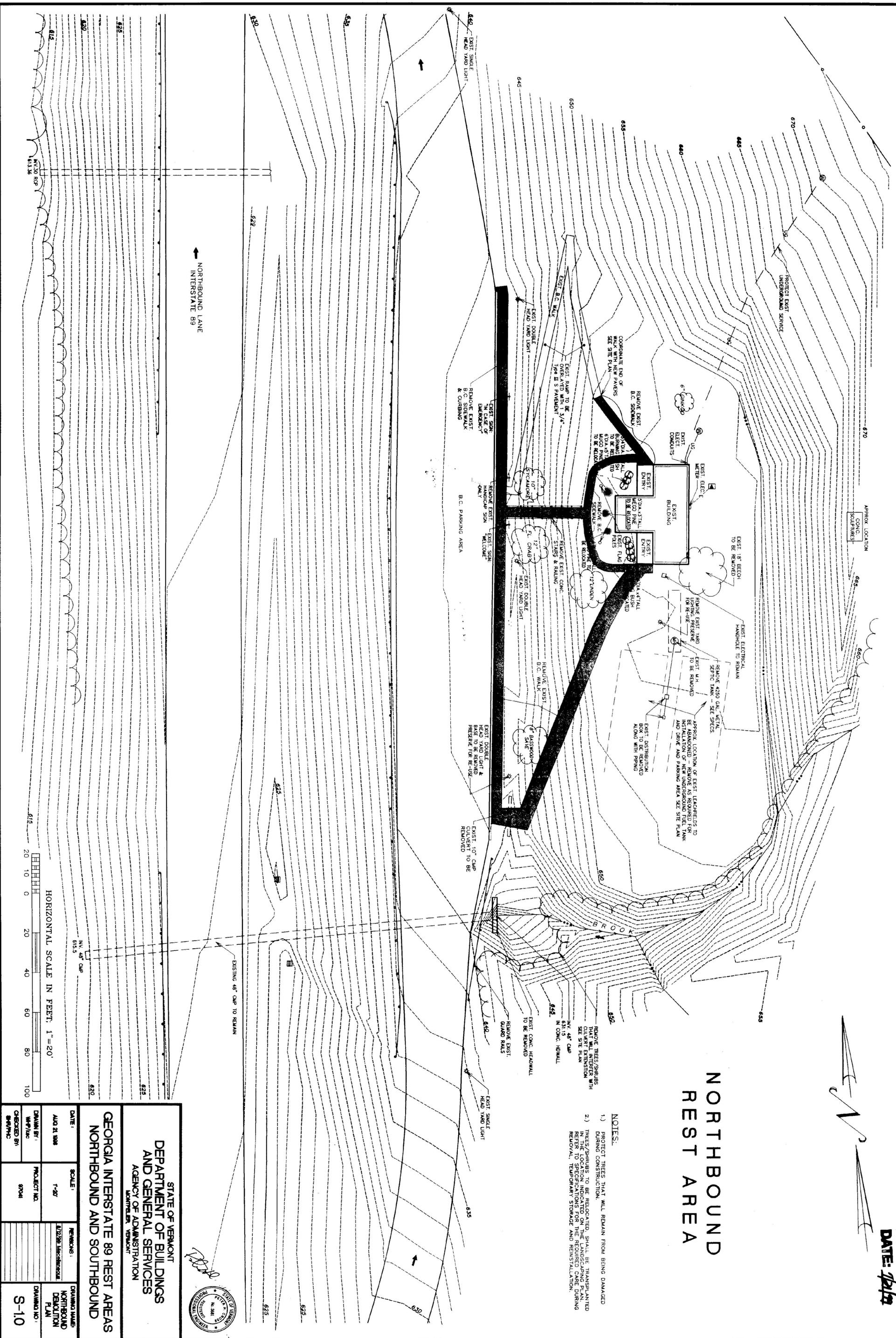
AS BUILT
DATE: 7/21/99

BID SET



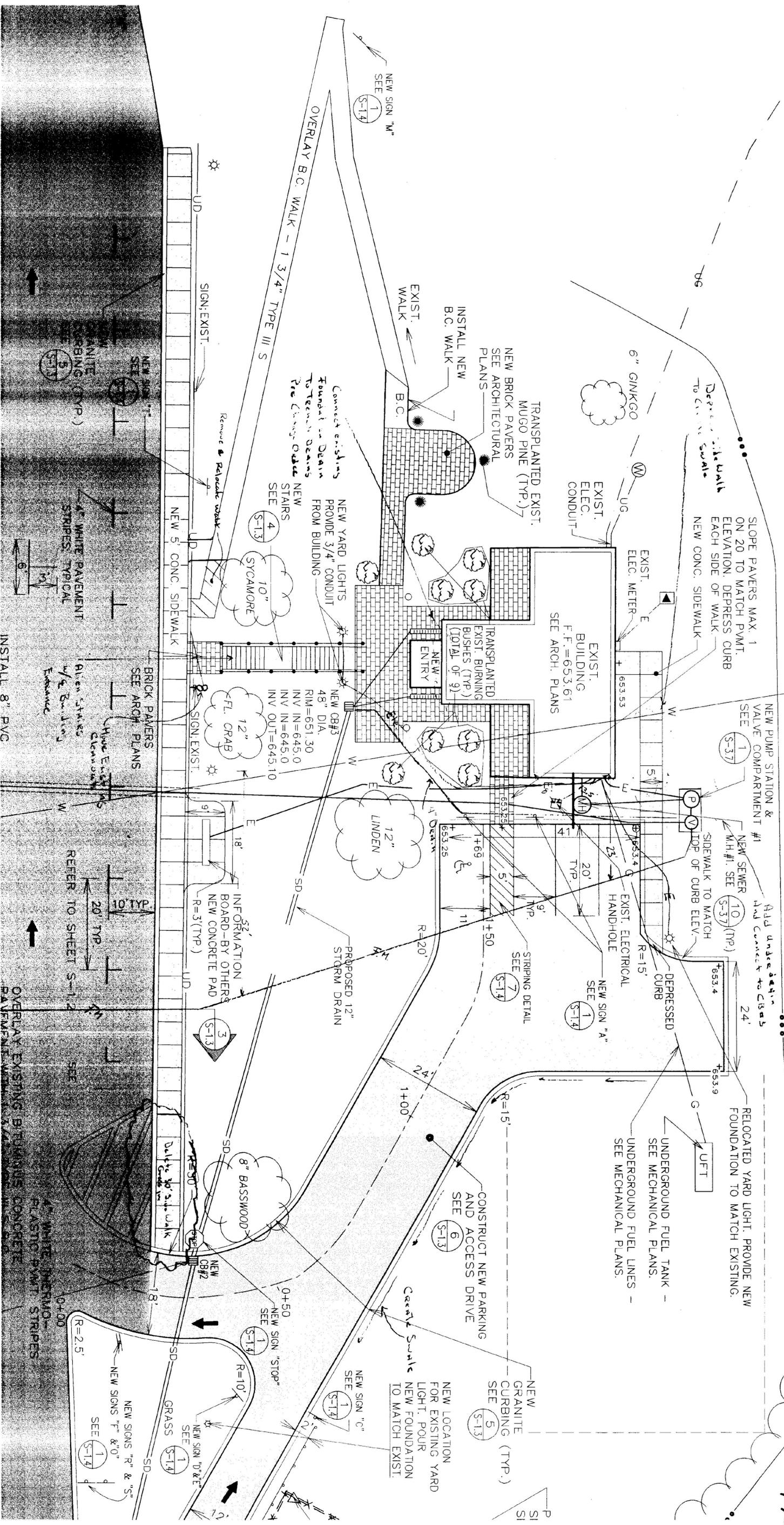
NORTHBOUND REST AREA

- 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. REMOVAL, TEMPORARY STORAGE AND REINSTALLATION.



<p>STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTPELIER, VERMONT</p>		<p>DATE: AUG 21 2008</p>	
<p>GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND</p>		<p>SCALE: 1"=20'</p>	
<p>DRAWING TITLE: NORTHBOUND DEVELOPMENT PLAN</p>		<p>REVISIONS: 1/2/2008 REVISIONS</p>	
<p>DRAWING NO.: S-10</p>		<p>PROJECT NO.: 97041</p>	
<p>CHECKED BY: [Signature]</p>		<p>DATE: [Blank]</p>	



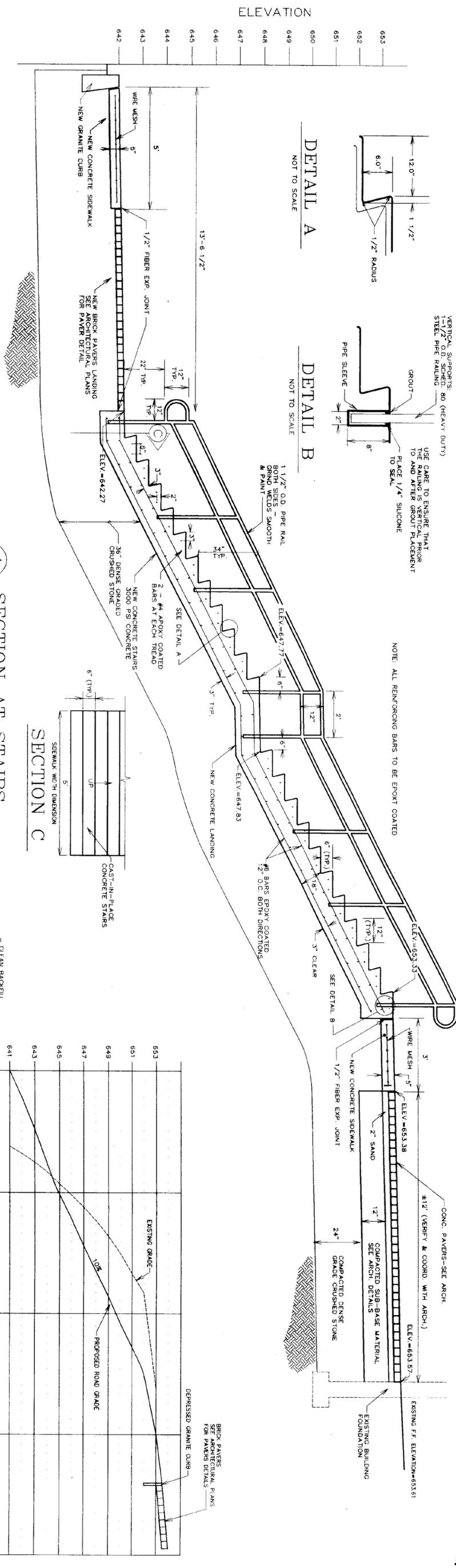
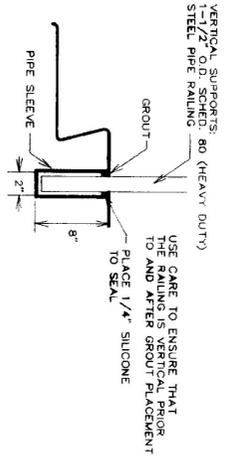
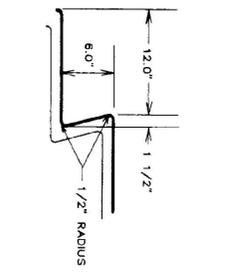


STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

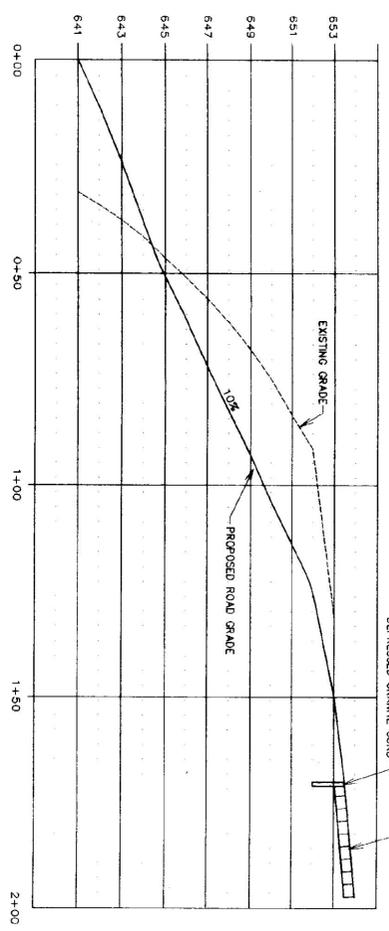
GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING TITLE:
AUG. 21, 1998	1"=40'	1-2/28 Mechanical	NORTHBOUND LANDSCAPING PLAN
DRAWN BY:	PROJECT NO.:	CHECKED BY:	DRAWING NO.:
W.P. Mac	8704	BRW/MC	S-12

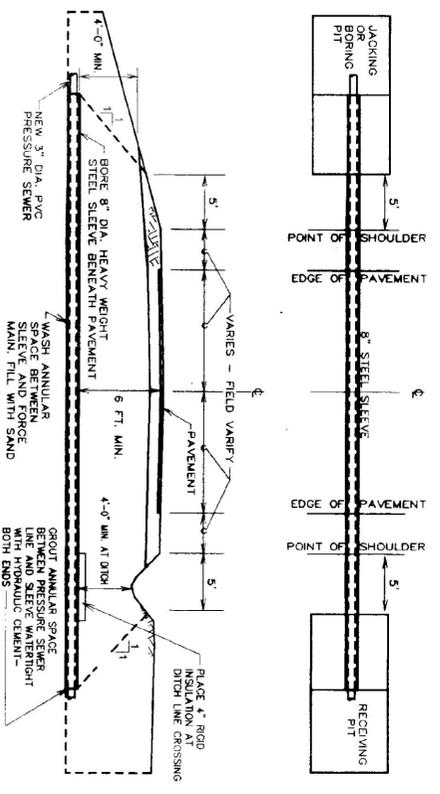




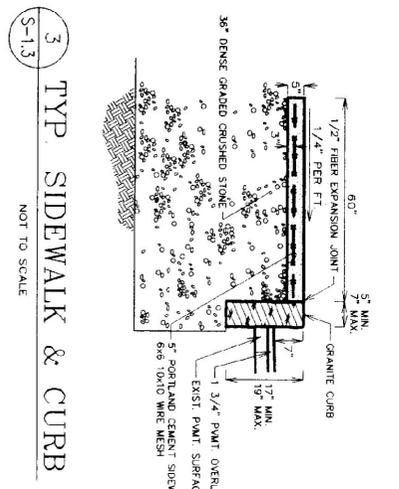
4 SECTION AT STAIRS
SCALE: 1"=2'



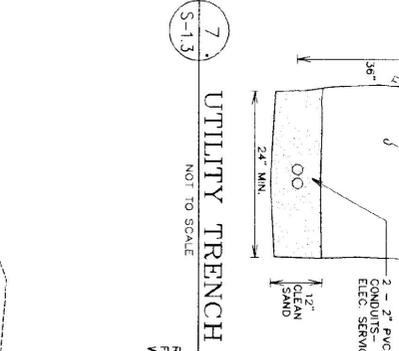
8 ROAD PROFILE
SCALE HORIZONTAL: 1"=20'
SCALE VERTICAL: 1"=4'



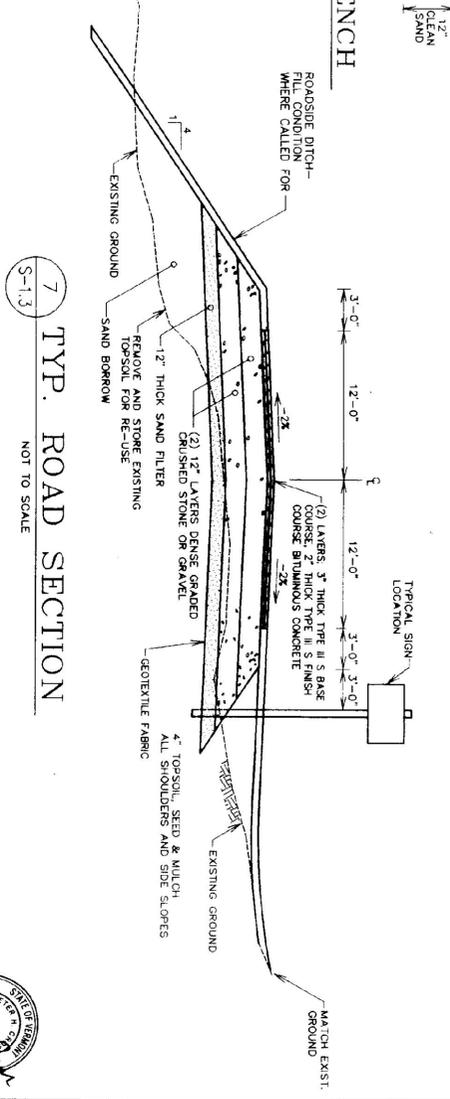
2 HIGHWAY CROSSING DETAIL
NOT TO SCALE



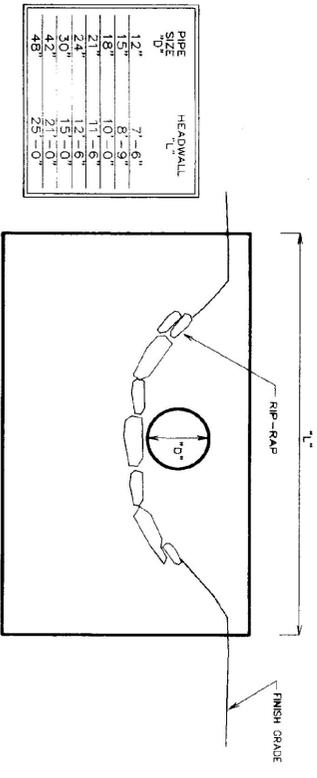
3 TYP. SIDEWALK & CURB
NOT TO SCALE



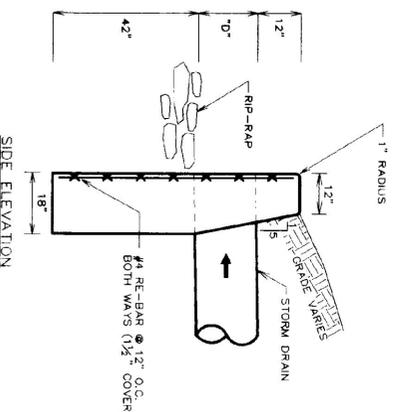
7 UTILITY TRENCH
NOT TO SCALE



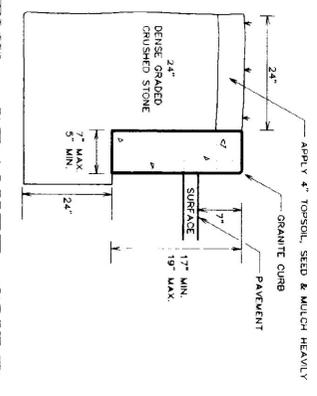
7 TYP. ROAD SECTION
NOT TO SCALE



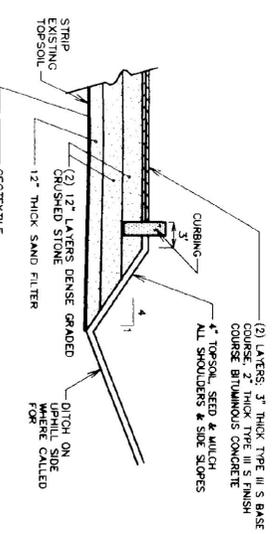
1 CONCRETE HEADWALL
NOT TO SCALE



5 TYP. GRANITE CURB
NOT TO SCALE



6 TYP. PARKING LOT
NOT TO SCALE

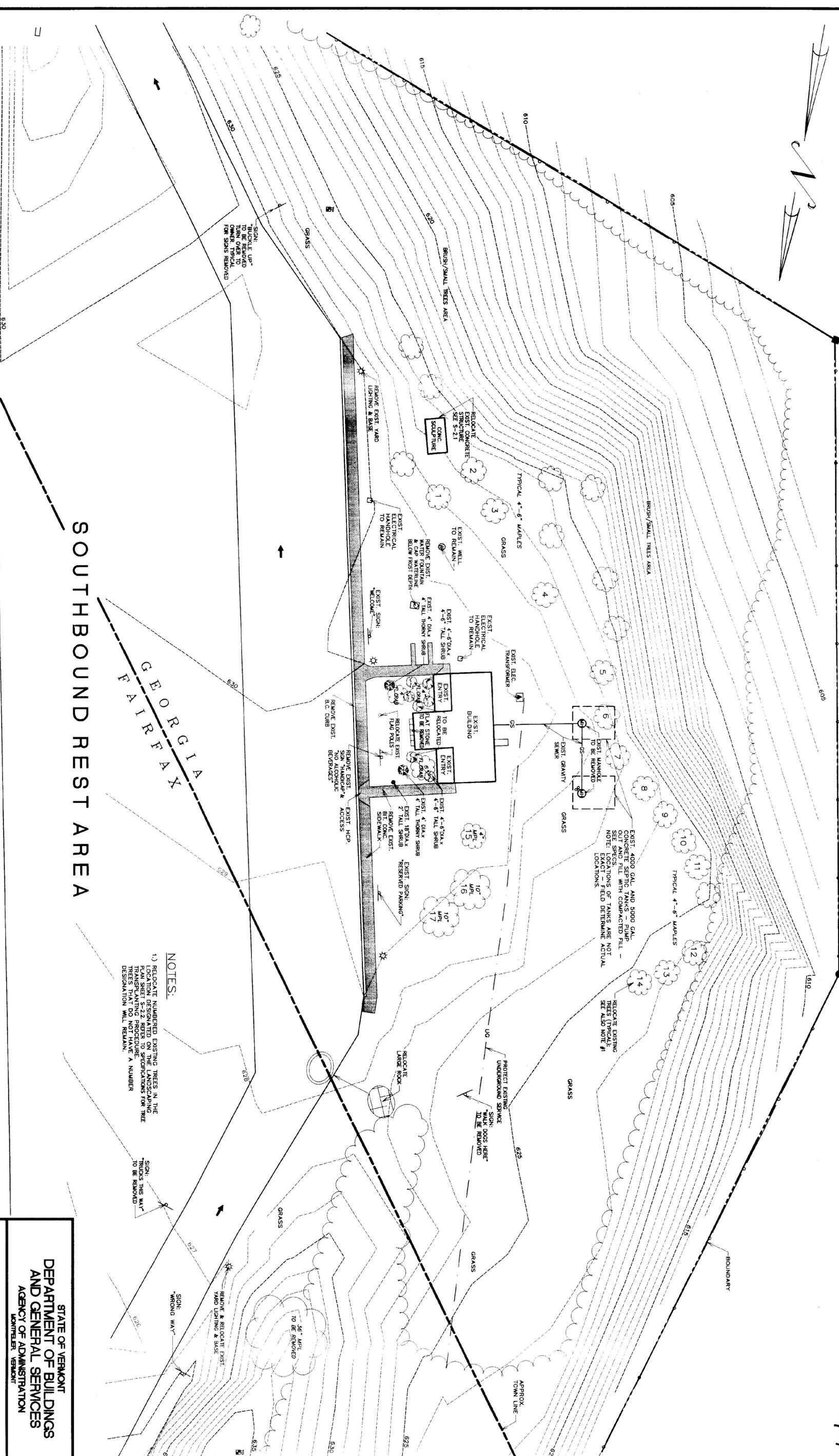


STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

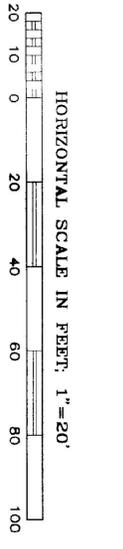
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUG 21 2008	AS NOTED		DETAILS
DRAWN BY: WFP/lad/CRC	PROJECT NO. 8704		DRAWING NO.: S-13
CHECKED BY: B-M/H/C			





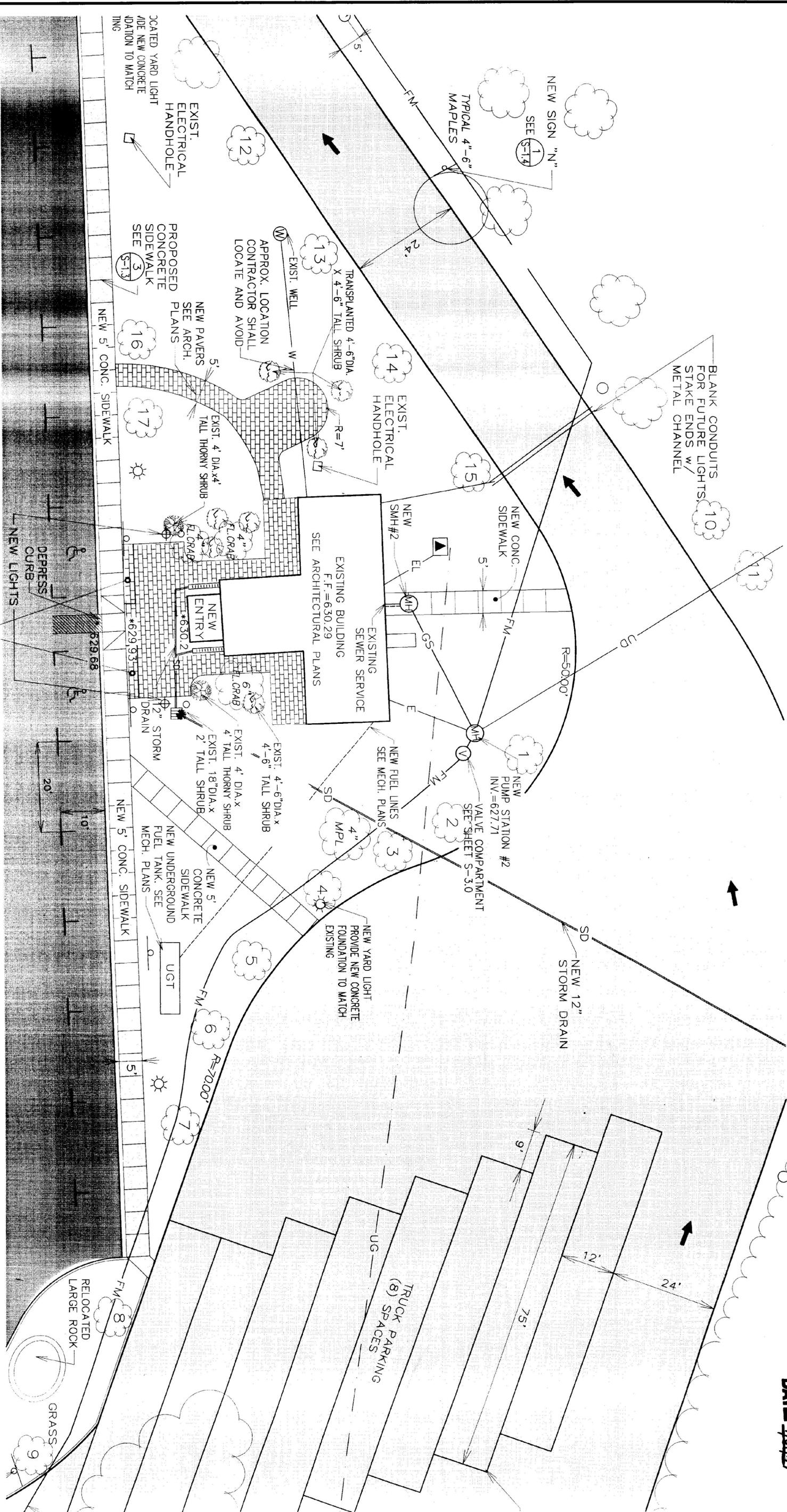
- NOTES:
- 1) RELOCATE NUMBERED EXISTING TREES IN THE PAVED PARKING AREA AND RELOCATE IN THE TRANSPLANTING PROCEDURE. TREES THAT DO NOT HAVE A NUMBER DESIGNATION WILL REMAIN.

GEORGIA
FAIRFAX
SOUTHBOUND REST AREA



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:
AUG 21, 1998	AS NOTED	8/21/98	SOUTHBOUND DENOUON PLAN
DRAWN BY: WPF/PLS	PROJECT NO. 9704		DRAWING NO.: S-20
CHECKED BY: BHW/MC			





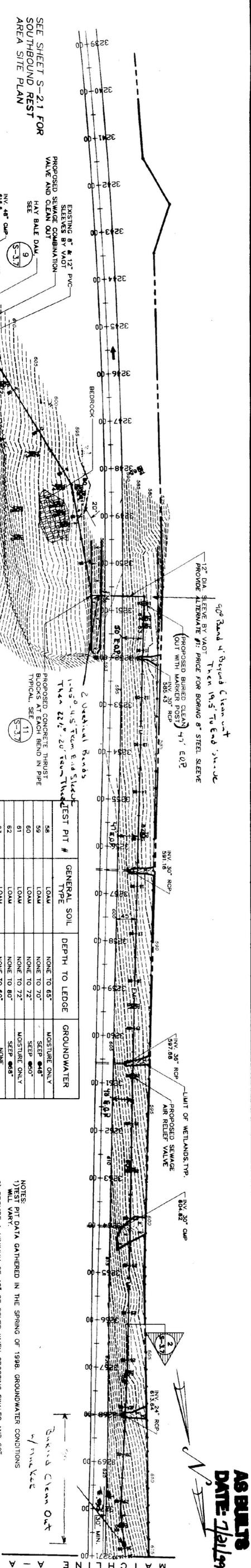
REFER TO SHEET A-20 FOR PAVEMENT LAYOUT

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 AGENCY OF ADMINISTRATION MONTPELIER, VERMONT			
GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND			
DATE: AUG 21 1998	SCALE: 1"=40'	REVISIONS:	DRAWING NAME: SOUTHBOUND LANDSCAPING PLAN
DRAWN BY: WFF/rls	PROJECT NO: 9704		DRAWING NO: S-2.2
CHECKED BY: BRTV/c			





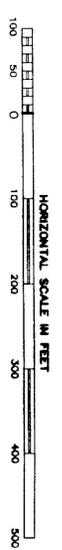
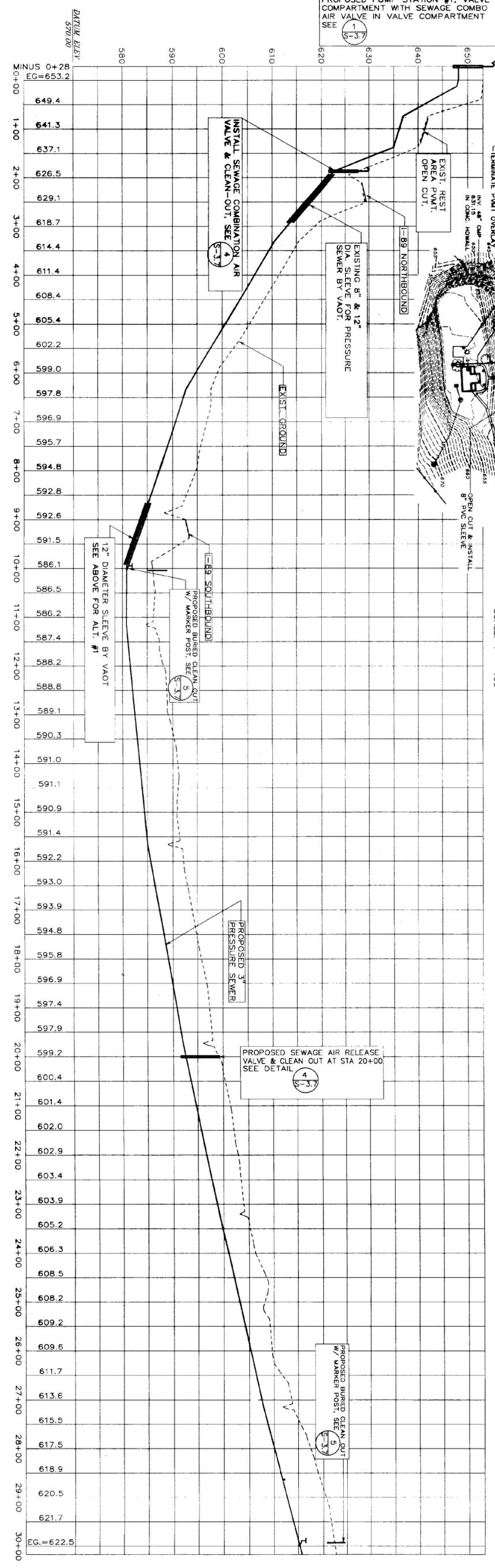
TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
58	LOAM	NONE TO 65"	MOISTURE ONLY
59	LOAM	NONE TO 70"	SEEP #48"
60	LOAM	NONE TO 72"	SEEP #48"
61	LOAM	NONE TO 72"	MOISTURE ONLY
62	LOAM	NONE TO 80"	SEEP #48"
63	LOAM	NONE TO 60"	NONE
64	LOAM	NONE TO 26"	SEEP #44"
71	LOAM	NONE TO 84"	SEEP #60"
72	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) PIT DATA GATHERED IN THE SPRING OF 1988. GROUNDWATER CONDITIONS WILL VARY.
 2) PROVIDE A MINIMUM OF 48" OF COVER WHEN CROSSING SMALLS 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
1	IN P&I VALVE COMP.	SEWAGE COMBO AIR VALVE
2	1+85	SEWAGE COMBO AIR VALVE
3	20+00	SEWAGE AIR RELEASE VALVE

P R O F I L E
 SCALE: 1" = 10' HORIZ.
 1" = 10' VERT.



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

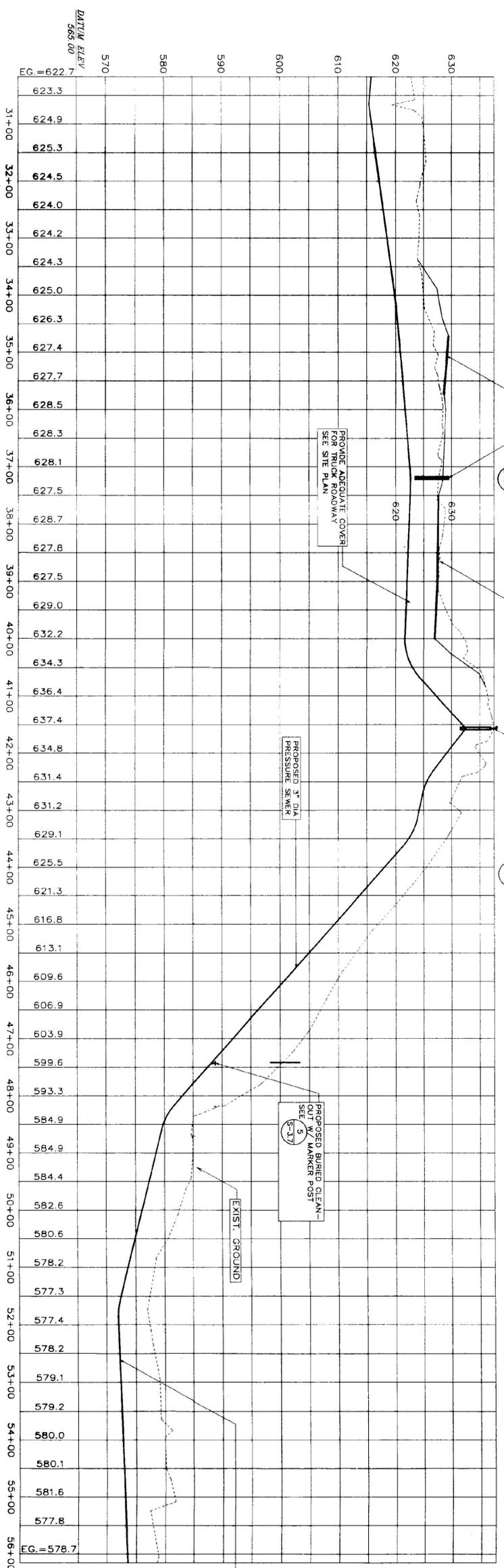
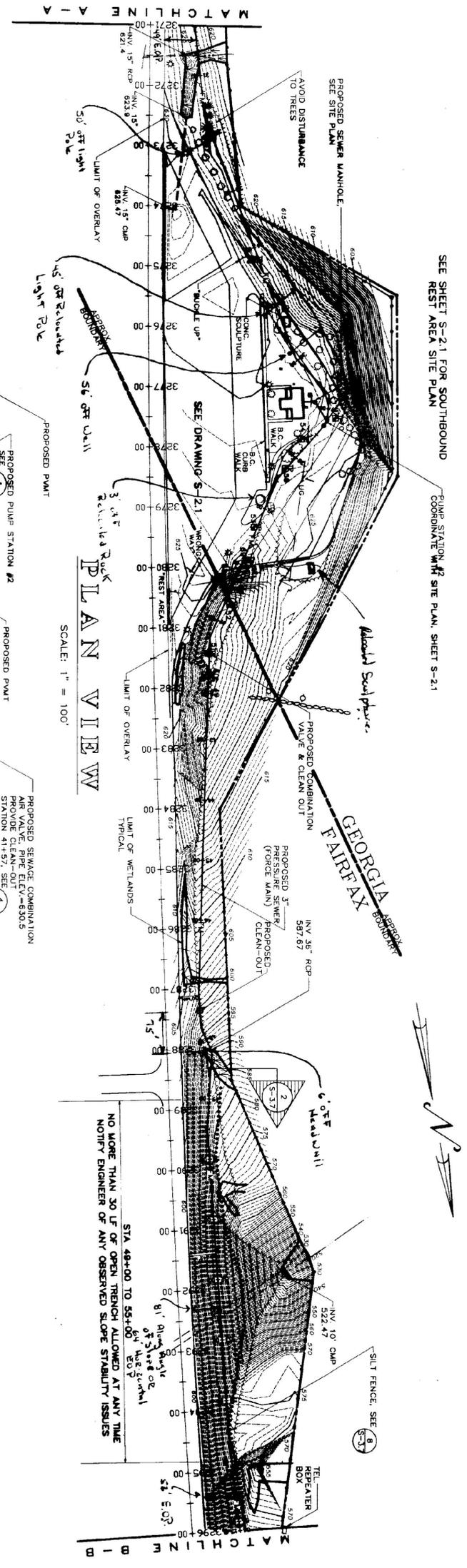
STATE OF VERMONT
 DEPARTMENT OF VERMONT
 AND GENERAL SERVICES
 AGENCY OF ADMINISTRATION
 MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
 NORTHBOUND AND SOUTHBOUND

DATE:	21 AUGUST 1988	SCALE:	F=100'	REVISIONS:		DRAWING VALUE:	
DRAWN BY:	W.F./J.D.	PROJECT NO.:	9704			PLAN AND PROFILE	
CHECKED BY:	M.C.					DRAWING NO.:	S-30

SHEET 1 OF 2
 DATE PLOTTED: 8/19/88

TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
48	SAND	NONE TO 60"	NONE
50	LOAM	NONE TO 45"	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	LOOSE SHALE LEDGE	NONE TO 108"	NONE
67	LOAM	NONE TO 108"	NONE
68	LOAM	NONE TO 102"	NONE
69	LOAM	NONE TO 102"	NONE
70	LOAM	NONE TO 60"	NONE



PR O I L E
SCALE: 1" = 100' HORZ.
1" = 10' VERT.

VALVE SCHEDULE

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



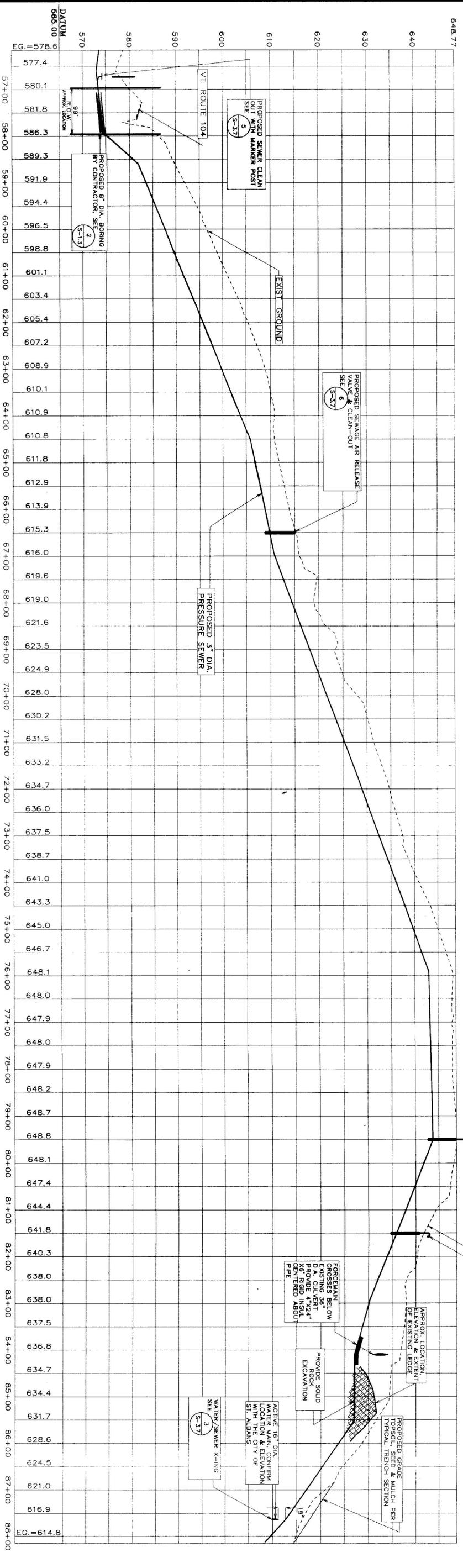
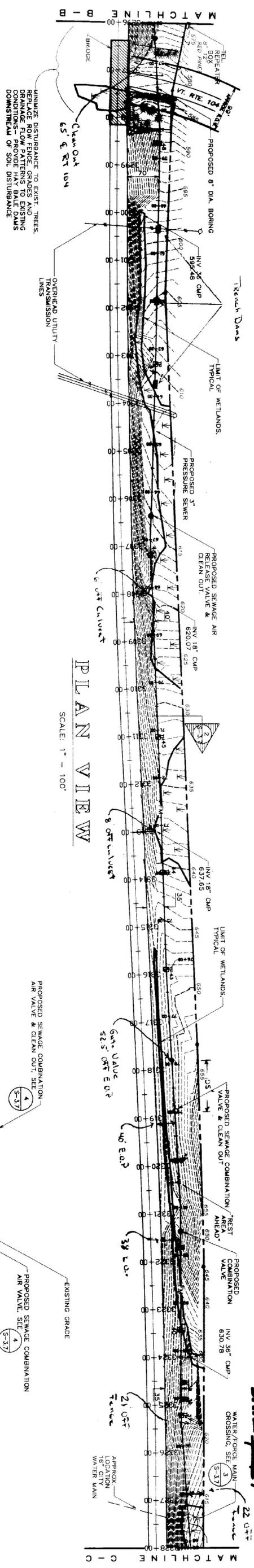
STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTELEONE, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE:	21 AUGUST 1998	SCALE:	1"=100'	REVISIONS:		DRAWING VALUE:	
DRAWN BY:	WHP/MD	PROJECT NO.:	9704			PLAN AND PROFILE	
CHECKED BY:	MJC					DRAWING NO.:	S-3.1

- 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

PRESSURE SEWER TO CROSS ABOVE
EXISTING BOX CULVERT



TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
37	TOPSOIL	NONE TO 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 #00"
43	LOAM	NONE TO 65"	SEEP #04"
44	LOAM	NONE TO 85"	WATER #12"
45	LOAM	NONE TO 80"	SEEP #02"
46	LOAM	NONE TO 63"	SEEP #02"
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 SHALES 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' HORIZ.
 1" = 10' VERT.

VALVE SCHEDULE

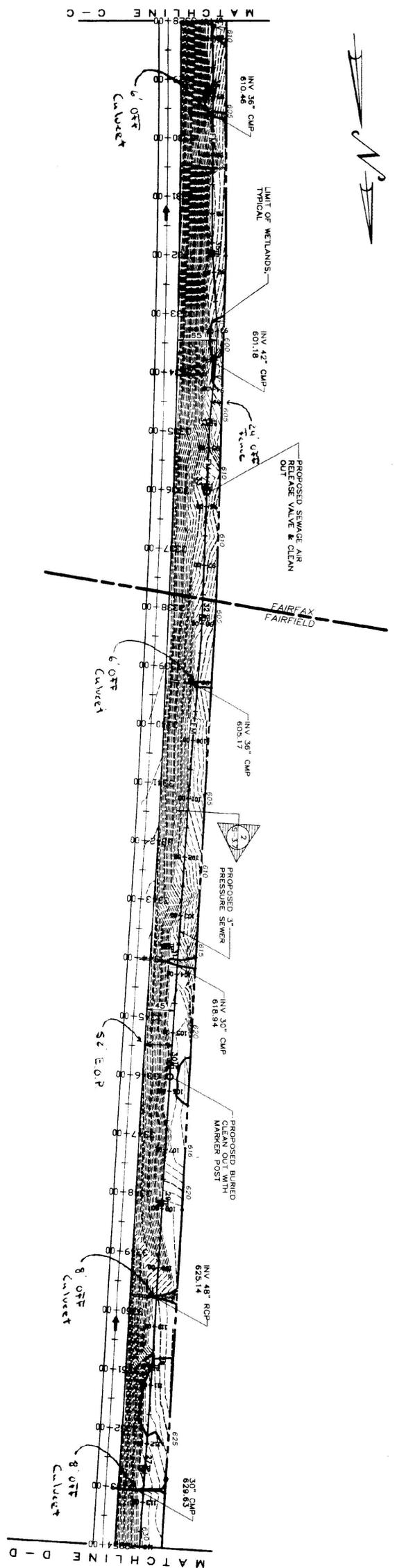
VALVE NO.	STATION	TYPE
5	66+50	SEWAGE AIR RELEASE VALVE
6	79+50	SEWAGE COMBO AIR VALVE
7	81+50	SEWAGE COMBO AIR VALVE



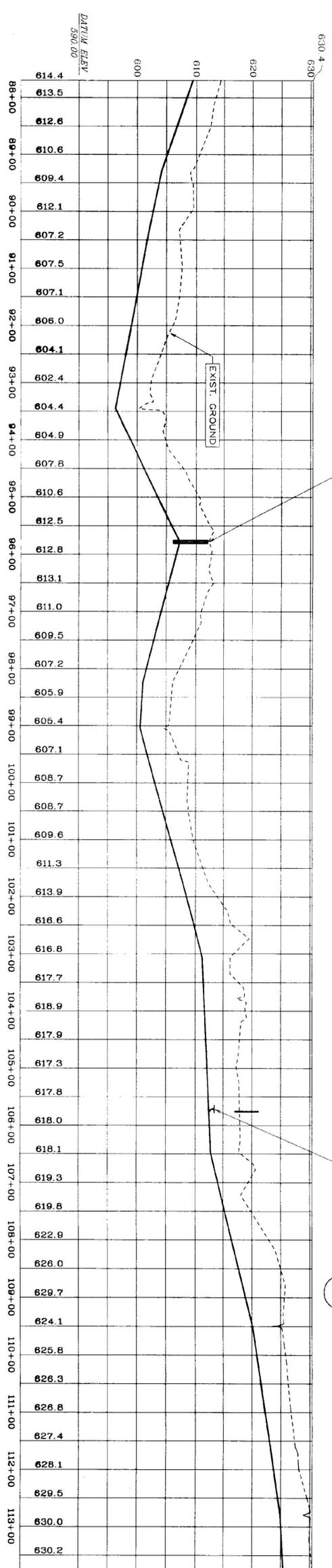
STATE OF VERMONT
 DEPARTMENT OF BUILDINGS
 AND GENERAL SERVICES
 AGENCY OF ADMINISTRATION
 MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
 NORTHBOUND AND SOUTHBOUND

DATE: 21 AUGUST 1998	SCALE: AS NOTED	REVISIONS:	DRAWING NAME: PLAN AND PROFILE
DRAWN BY: WHP/ED	PROJECT NO: 8704		DRAWING NO: S-3.2
CHECKED BY: PNC			



PLAN VIEW
SCALE: 1" = 100'



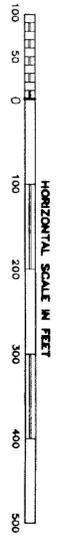
PROFILE
SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

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 @ 64"
36	LOAM	NONE TO 70"	SEEP @ 65"

- NOTES:
1) PIT DATA GATHERED IN THE SPRING OF 1983. GROUNDWATER CONDITIONS WILL VARY.
2) PROVIDE A MINIMUM OF 48" OF COVER WHEN CROSSING SWALES AND 60" MINIMUM OVER ALL TYPICAL SOIL.
3) WHERE STONE LINED DITCHES ARE DISTURBED, SALVAGE AND REPLACE EXISTING STONE LINING. DITCHES TO MAINTAIN EXISTING CROSSINGS.
4) USE 4" INSULATION OVER FORCE MAIN AT ALL WATERWAY CROSSINGS. SEE DETAIL 12, SHEET S-3.7

VALVE SCHEDULE

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

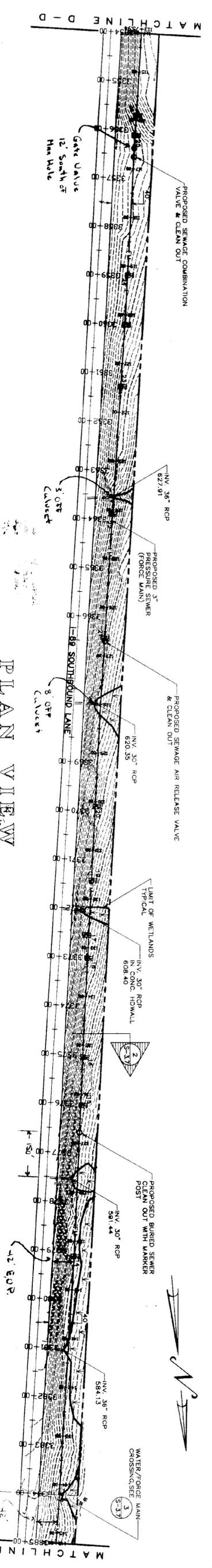


STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

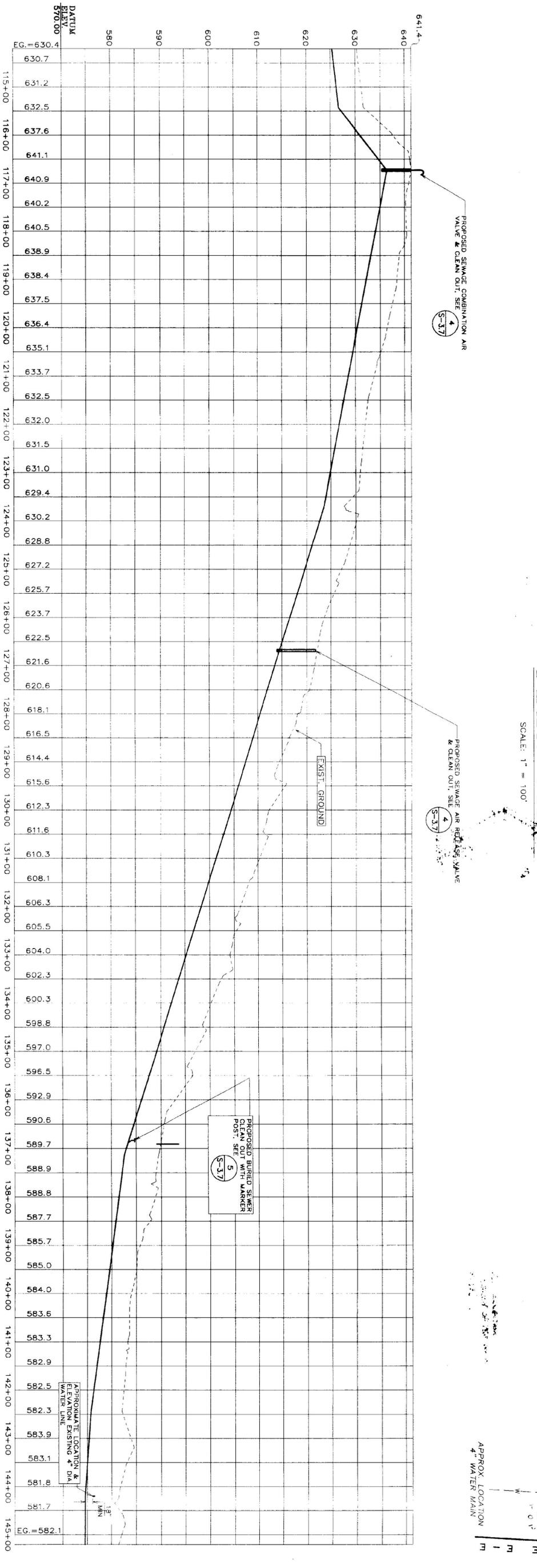
GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE: 21 AUGUST 1984	SCALE: 1"=400'	REVISIONS:	DRAWING TITLE: PLAN AND PROFILE
DRAWN BY: WHP/AD	PROJECT NO: 92041		DRAWING NO: S-3.3
CHECKED BY: PJC			

AS BUILT
DATE 7/21/95



PLAN VIEW
SCALE: 1" = 100'



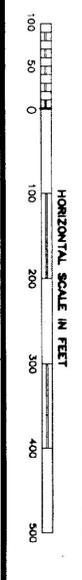
TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
14	LOAM	NONE TO 74"	SEEP 0.14"
15	LOAM	NONE TO 75"	NONE
16	LOAM	NONE TO 72"	SEEP 0.60"
17	LOAM	NONE TO 75"	SEEP 0.70"
18	LOAM	NONE TO 78"	SEEP 0.44"
19	LOAM	NONE TO 82"	SEEP 0.60"
20	LOAM	NONE TO 78"	SEEP 0.72"
21	LOAM	NONE TO 84"	NONE
22	LOAM	NONE TO 72"	MOISTURE
23	LOAM	NONE TO 74"	SEEP 0.75"
24	LOAM & SAND	NONE TO 108"	SEEP 0.20"
25	LOAM & CLAY	NONE TO 30"	SEEP 0.20"
26	LOAM & CLAY	NONE TO 30"	SEEP 0.20"

PROFILE
SCALE: 1" = 100' HORIZ.
1" = 10' VERT.

VALVE SCHEDULE

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

- 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 SVALES AND 60" WHERE STONE LINED DITCHES ARE DISTURBED. SALVAGE AND REPLACE EXISTING STONE AND REPAIR DITCH TO MATCH EXISTING.
3) USE 4" INSULATION OVER FORCE MAIN AT ALL WATERWAY CROSSINGS. SEE DETAIL 12, SHEET 3.7



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 1995
SCALE: 1"=100'
DRAWN BY: WPT/MD
CHECKED BY: PJC
PROJECT NO.: 8704
DRAWING NO.: S-3.4

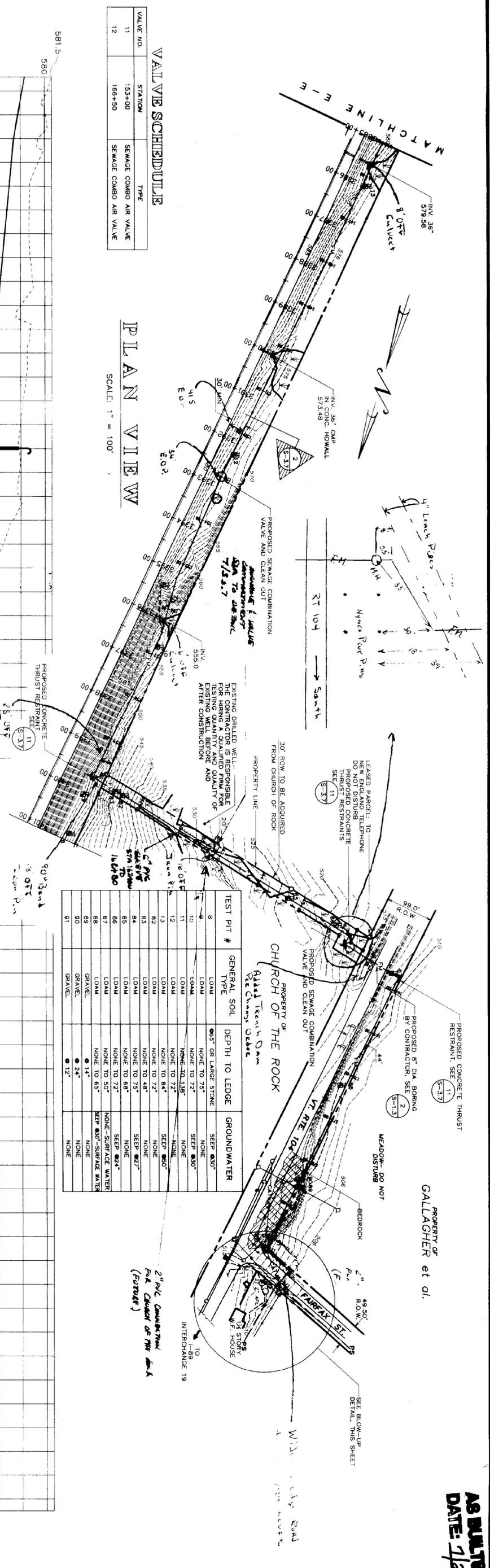
REVISIONS:
DRAWING NAME: PLAN AND PROFILE



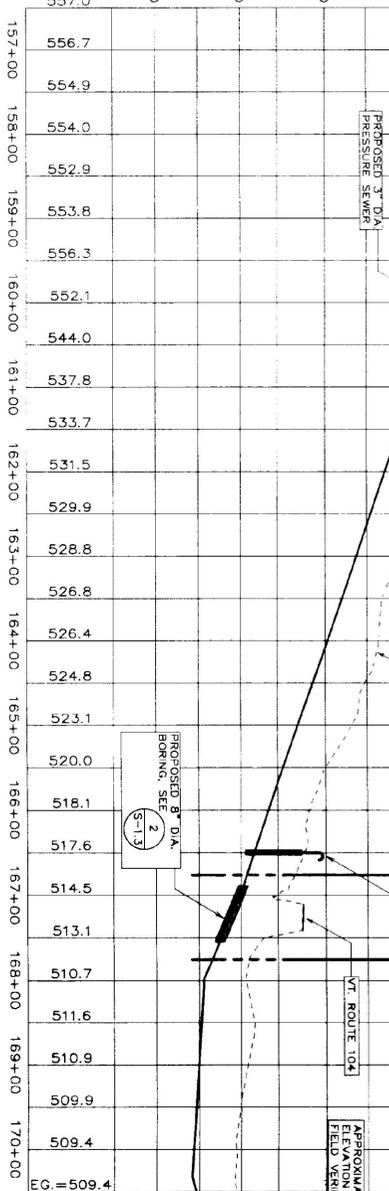
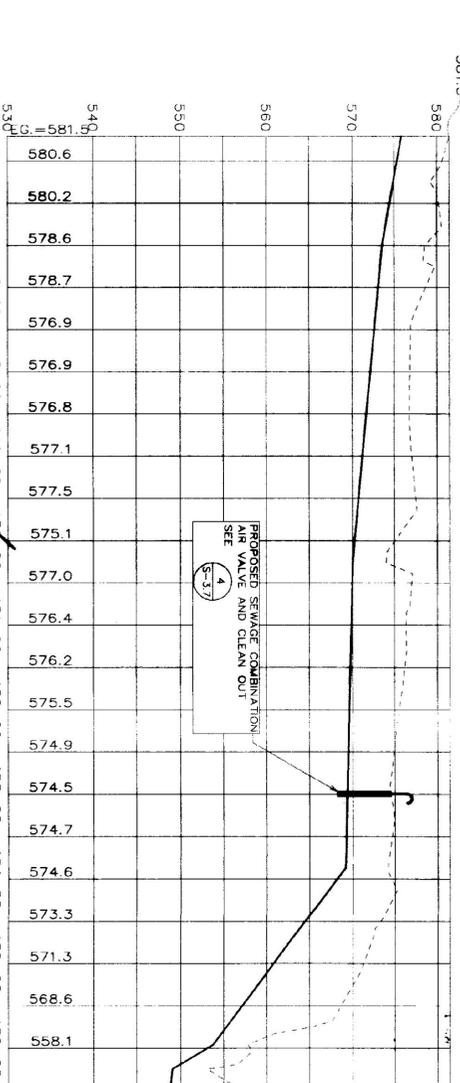
VALVE SCHEDULE

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

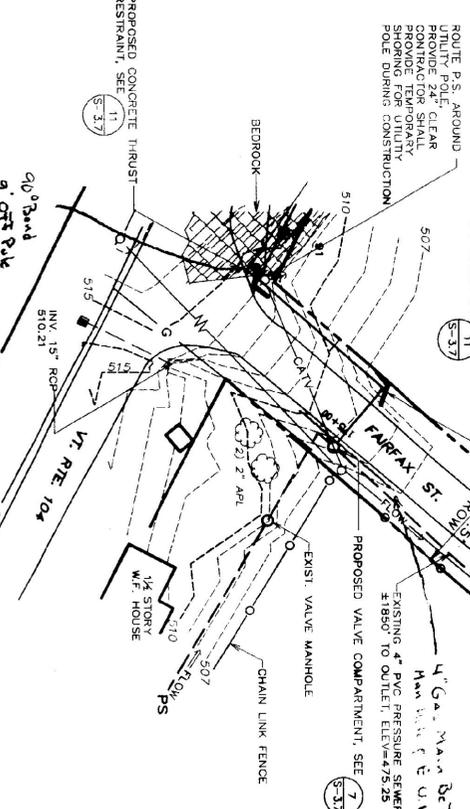
PLAN VIEW
SCALE: 1" = 100'



TEST PIT #	GENERAL SOIL TYPE	DEPTH TO LEDGE	GROUNDWATER
8	LOAM	6"5" OR LARGER STONE	SEEP 83"
9	LOAM	NONE TO 75"	NONE
10	LOAM	NONE TO 138"	SEEP 83"
11	LOAM	NONE TO 72"	NONE
12	LOAM	NONE TO 84"	SEEP 80"
13	LOAM	NONE TO 72"	NONE
14	LOAM	NONE TO 48"	NONE
15	LOAM	NONE TO 75"	SEEP 82"
16	LOAM	NONE TO 68"	NONE
17	LOAM	NONE TO 72"	SEEP 82"
18	LOAM	NONE TO 50"	SEEP 82"
19	GRAVEL	NONE TO 65"	SEEP 80" - SURFACE WATER
20	GRAVEL	12"	NONE
21	GRAVEL	12"	NONE



PROFILE
SCALE: 1" = 100' HORIZ.
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. A MINIMUM OF 48" OF COVER WHEN CROSSING SWALES AND 60" MINIMUM IN A TYPICAL RUN.
 - 2) WHERE STONE LINED DITCHES ARE DISTURBED, SALVAGE AND REPLACE EXISTING STONE.
 - 3) AND RE-LINE DITCH TO MATCH EXISTING.
 - 4) USE 4" INSULATION OVER FORCE MAIN AT ALL WATERWAY CROSSINGS.
- SEE DETAIL 12, SHEET 3.7

STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTELEONE VERMONT

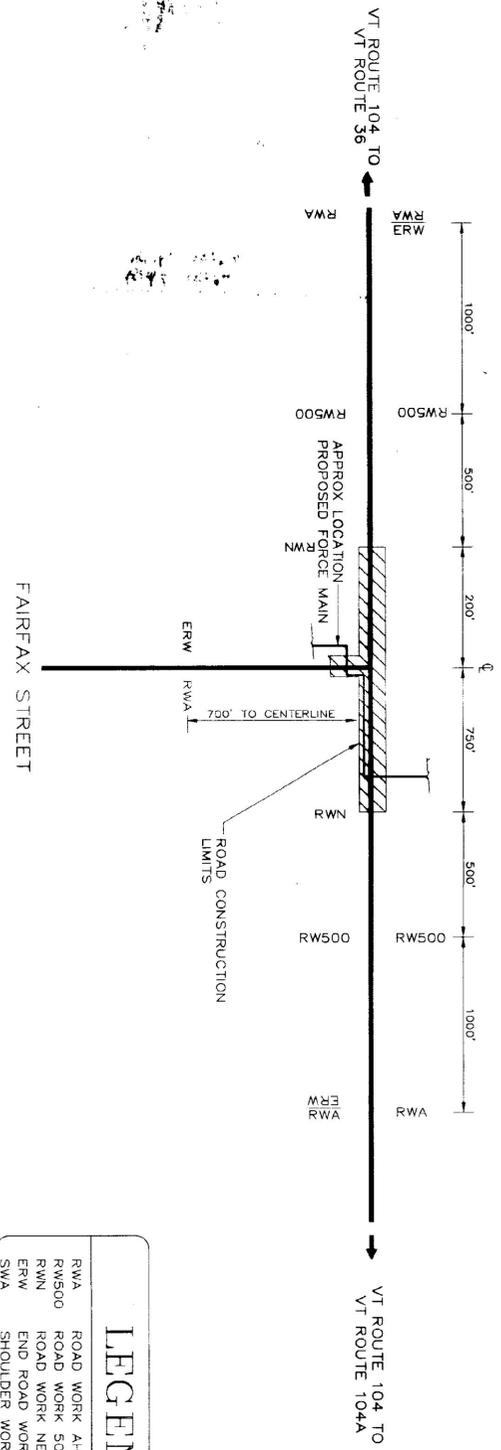
GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE:	21 AUGUST 1998	SCALE:	1" = 40'
DRAWN BY:	WHT/BD	PROJECT NO.:	9704
CHECKED BY:	RHC	DRAWING NO.:	S-3.5



SOUTHBOUND & NORTHBOUND REST AREA

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



LEGEND	
RWA	ROAD WORK AHEAD
RWS500	ROAD WORK 500'
RWN	ROAD WORK NEXT XX MILES
ERW	END ROAD WORK
SWA	SHOULDER WORK AHEAD

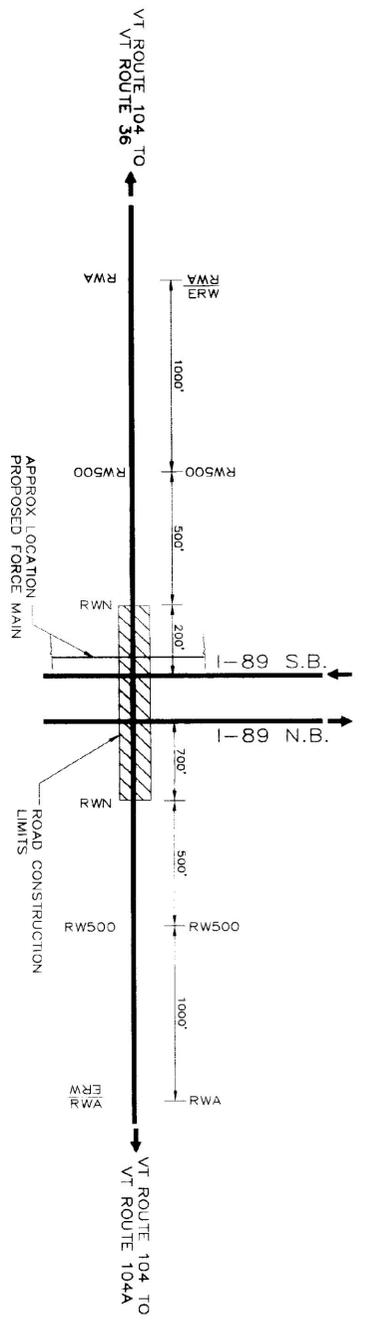
ROAD WORK NEXT SIGNS SHALL READ 0.2 MILES

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



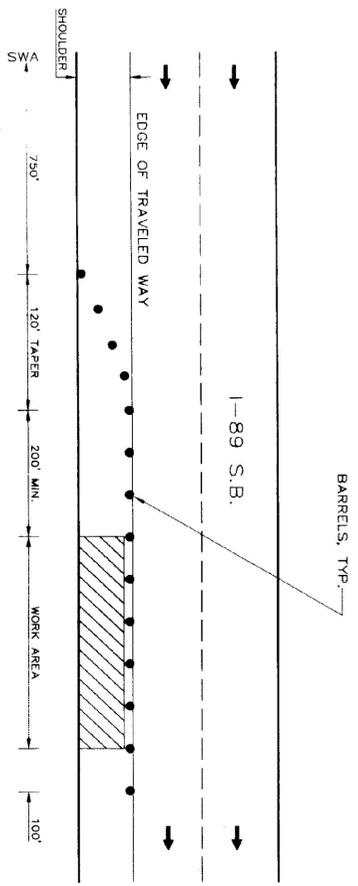
NOTE: SIGNAGE SHALL BE ERECTED ON FLANGED CHANNEL SIGN POSTS A MINIMUM OF 10 DAYS BEFORE ANY CONSTRUCTION ACTIVITY OCCURS IN AREA

ROAD WORK NEXT SIGNS SHALL READ 0.3 MILES



PLAN VIEW

NOT TO SCALE



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

SOURCE: VT AOT

PLAN VIEW

1-89 SHOULDER CLOSING (TEMPORARY)

NOT TO SCALE

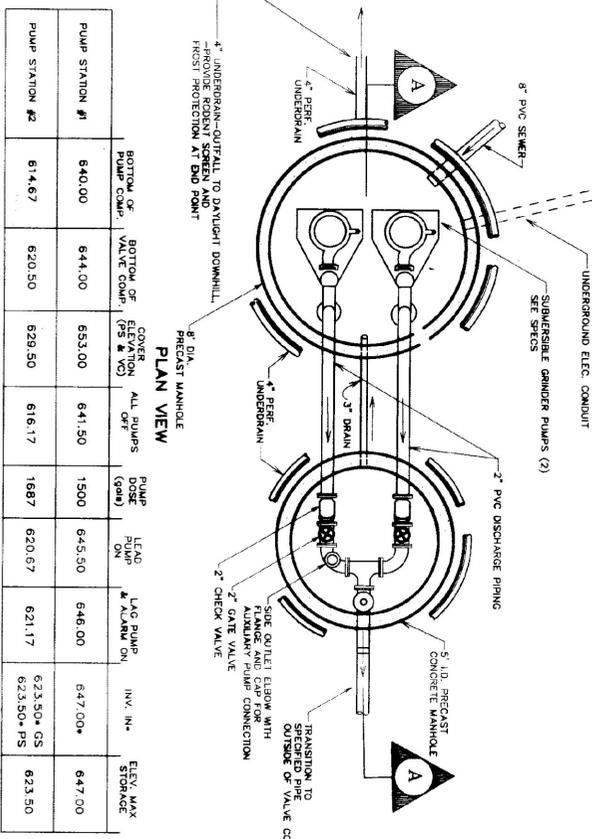
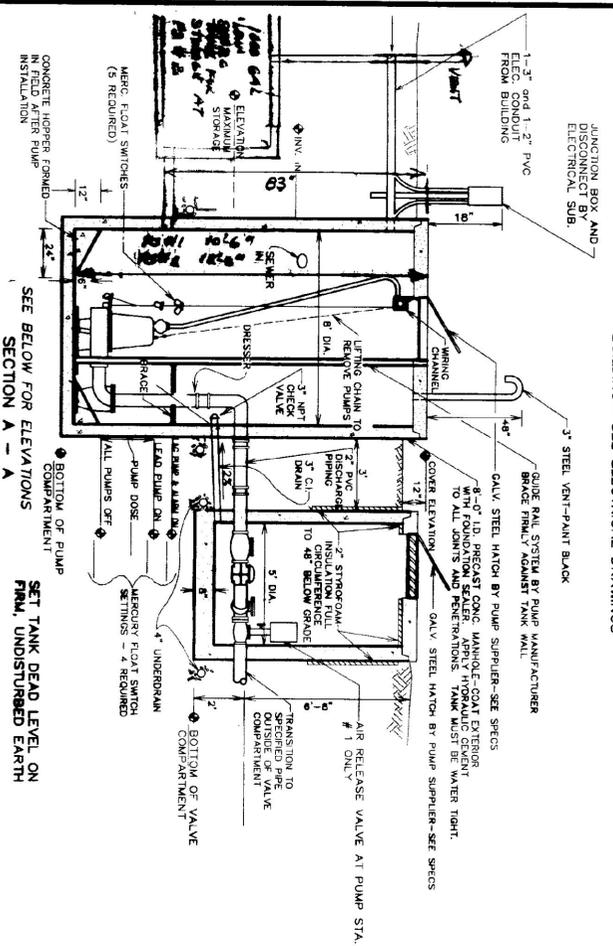


- NOTES:
- 1) THE PURPOSE OF THIS PLAN IS TO DETAIL TRAFFIC CONTROL SIGNAGE AT SPECIFIC LOCATIONS. ALL TRAFFIC CONTROL SHALL COMPLY WITH THE STANDARD SHEETS INCLUDED IN THIS PLAN SET.
 - 2) WORK OCCURRING ADJACENT TO I-89, WITHIN 30' FROM EDGE OF TRAVELED WAY SHALL INCORPORATE I-89 SHOULDER CLOSING DETAIL.

STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTPELIER, VERMONT			
GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND			
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
21 AUGUST 1998	N/A		TRAFFIC CONTROL SIGNAGE
DRAWN BY:	PROJECT NO.:		DRAWING NO.:
WPT/BD	8704		S-36
CHECKED BY:			
PHC			



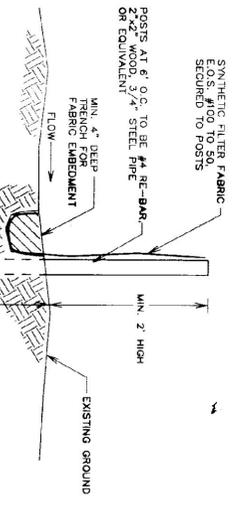
NOTE: CONTROL PANEL TO BE MOUNTED INSIDE BUILDING - SEE ELECTRICAL DRAWINGS



PUMP STATION #	BOTTOM OF PUMP COMP. VALVE COMB.	COVER ELEVATION ALL PUMPS (PS & VS)	PUMP LEAD ON	LAG PUMP & ALUMINUM ON	INV. IN-.	ELEV. MAX STORAGE
640.00	644.00	653.00	641.50	1500	645.50	646.00
614.67	620.50	629.50	616.17	1687	620.67	621.17
					623.50+PS	623.50

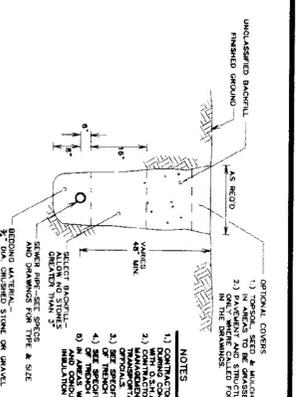
1 WASTEWATER PUMP STATIONS #1 & #2

NOT TO SCALE



8 SILT FENCE

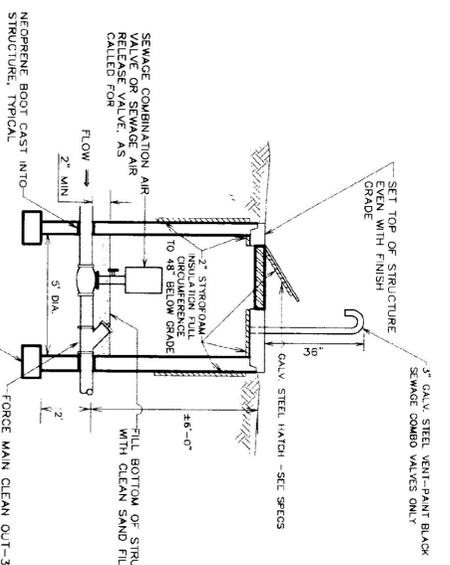
S-37



2 PRESSURE SEWER TRENCH

NOT TO SCALE

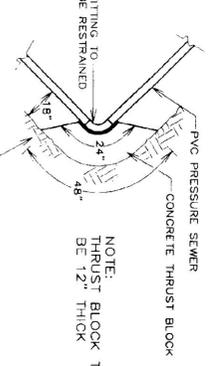
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4 SEWAGE COMBO & SEWER AIR RELEASE VALVES

NOT TO SCALE

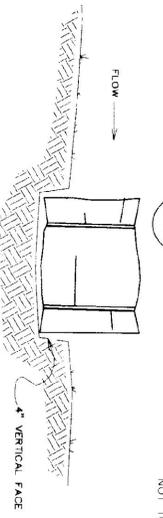
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11 FORCE MAIN THRUST RESTRAINT

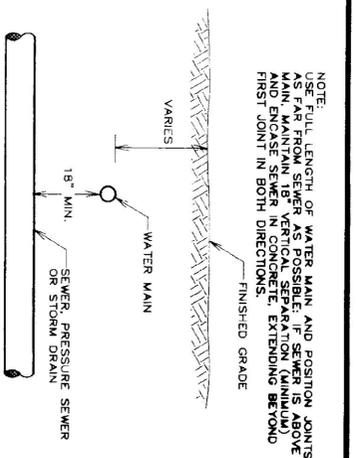
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9 HAY BALE DAM

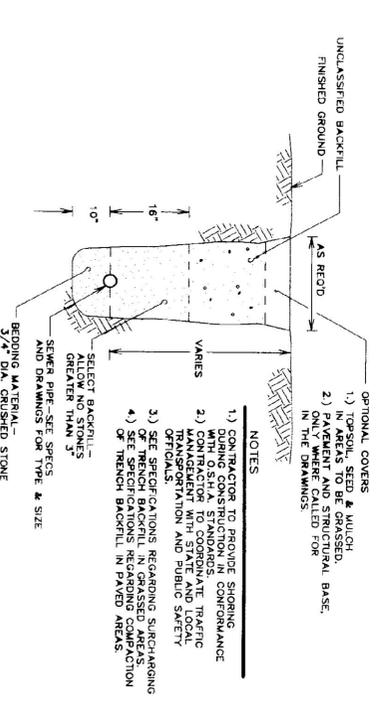
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3 WATER/SEWER CROSSING

NOT TO SCALE

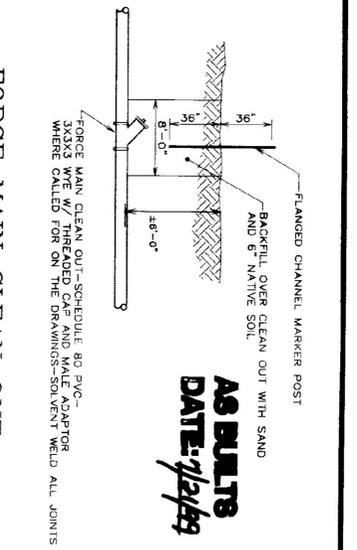
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6 GRAVITY SEWER TRENCH

NOT TO SCALE

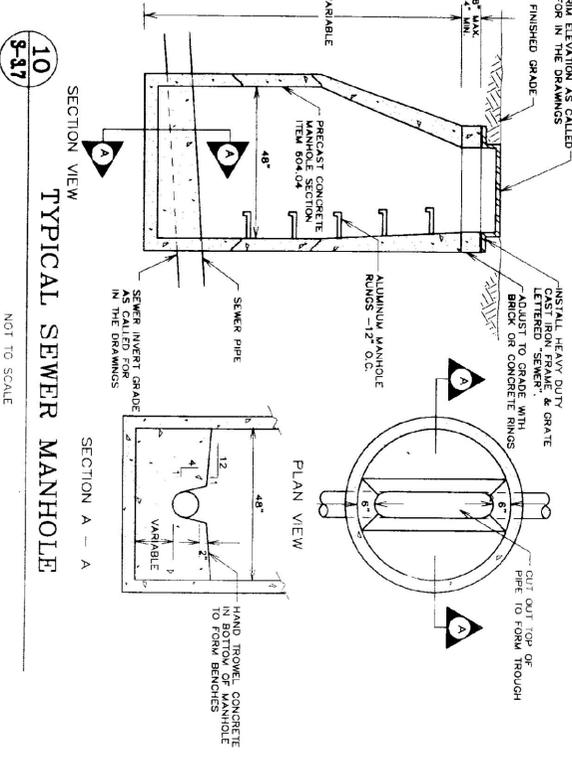
S-37



5 FORCE MAIN CLEAN OUT

NOT TO SCALE

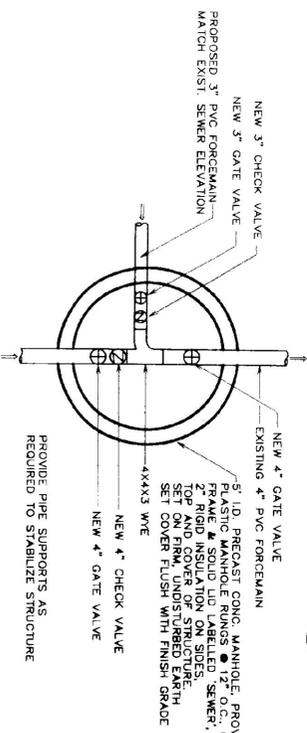
S-37



10 TYPICAL SEWER MANHOLE

NOT TO SCALE

S-37



7 PRESSURE SEWER CONNECTION DETAIL

NOT TO SCALE

S-37

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

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

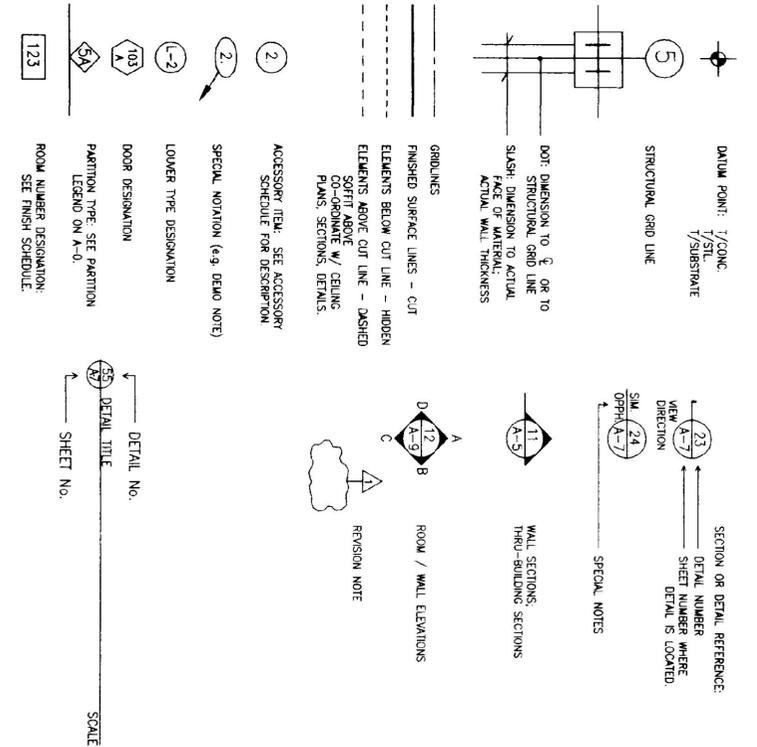
DATE:	21 AUGUST 2008	SCALE:	AS NOTED	REVISIONS:	8/22/08 - DET 2	DRAWING TITLE:	DETAILS
DRAWN BY:	HW/ED	PROJECT NO.:	97041	CHECKED BY:	PJC	DRAWING NO.:	S-37

- 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 DIMENSIONS.
 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 COLORED WITH LOW PRESSURE WATER PATTERNING.
 4. PONDING OF WATER: PITCH ALL SUBBASE AND BASE COURSE MATERIALS SIMILAR TO THE FINISHED SURFACE. PONDING WITHIN THE BASE AND SUBBASE COURSES WILL NOT BE ACCEPTABLE. AT ALL WALKS AND PATHERS SHALL PITCH AWAY FROM BUILDING WHERE APPLICABLE TO AVOID STANDING WATER. PAINT - REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
 5. THE CONTRACTOR SHALL COORDINATE AND PROVIDE ALL CUTOUTS, BLOCKING, BACKPLATES, RECESSED SLABS REQUIRED TO INSTALL THE WORK AND EQUIPMENT SHOWN.
 6. 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.
 7. CONCRETE INFILLS IN SLAB CUTS/OPENINGS OVER 6" WIDE SHALL BE DOWNED INTO EXISTING CONCRETE SLAB WITH #4 BARS BILLED AND DRIVEN (6" TOP) 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.

1. ANGLE	AN.	JANOR	JOINT
2. CHANNEL	CH.	JOINT	JOINT
3. PERPENDICULAR	PERP.	JOINT	JOINT
4. PLATE	PL.	JOINT	JOINT
5. ROOM/DIVIDER	RD.	JOINT	JOINT
6. ABOVE FINISH FLOOR	A.F.F.	JOINT	JOINT
7. ASPHALT TILE	ASPH.	JOINT	JOINT
8. AIR CONDITIONING	A.C.	JOINT	JOINT
9. ACOUSTICAL TILE	AC.T.	JOINT	JOINT
10. ADJUST.	ADJ.	JOINT	JOINT
11. ALUMINUM	ALUM.	JOINT	JOINT
12. ANCHOR	ANCH.	JOINT	JOINT
13. ANCHORED	ANCH.	JOINT	JOINT
14. ARCHITECTURAL	ARCH.	JOINT	JOINT
15. ASBESTOS	ASB.	JOINT	JOINT
16. ASPHALT	ASPH.	JOINT	JOINT
17. BENCHMARK	B.M.	JOINT	JOINT
18. BUILT-UP ROOF	B.U.R.	JOINT	JOINT
19. BOTH WAYS	B.W.	JOINT	JOINT
20. BOARD	BO.	JOINT	JOINT
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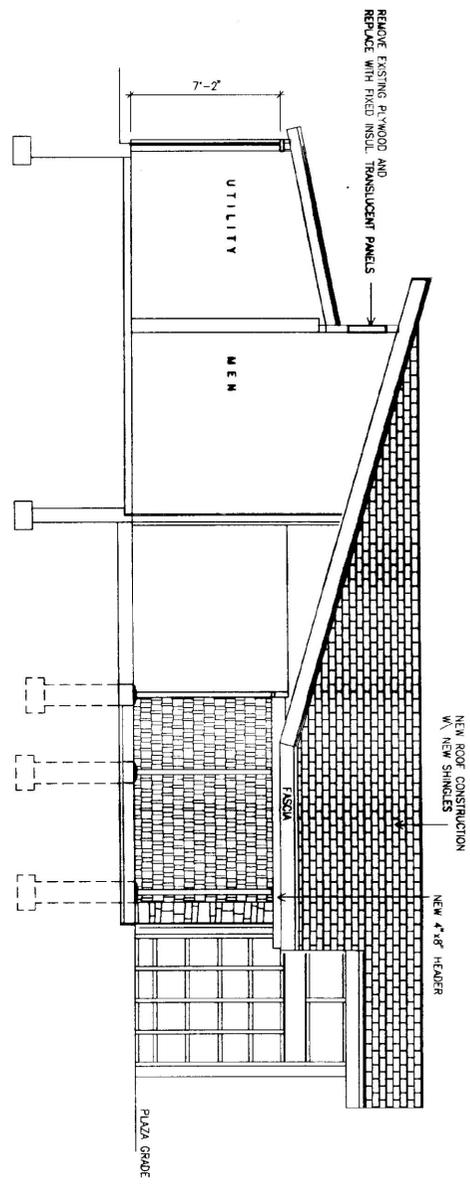


2 SYMBOLS LEGEND
SCALE: N.T.S.

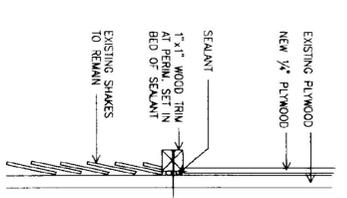
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3. PERPENDICULAR	PERP.	JOINT	JOINT
4. PLATE	PL.	JOINT	JOINT
5. ROOM/DIVIDER	RD.	JOINT	JOINT
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86. BRICK	BRK.	JOINT	JOINT
87. BRICK	BRK.	JOINT	JOINT
88. BRICK	BRK.	JOINT	JOINT
89. BRICK	BRK.	JOINT	JOINT
90. BRICK	BRK.	JOINT	JOINT
91. BRICK	BRK.	JOINT	JOINT
92. BRICK	BRK.	JOINT	JOINT
93. BRICK	BRK.	JOINT	JOINT
94. BRICK	BRK.	JOINT	JOINT
95. BRICK	BRK.	JOINT	JOINT
96. BRICK	BRK.	JOINT	JOINT
97. BRICK	BRK.	JOINT	JOINT
98. BRICK	BRK.	JOINT	JOINT
99. BRICK	BRK.	JOINT	JOINT
100. BRICK	BRK.	JOINT	JOINT

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

1. ANGLE	AN.	JANOR	JOINT
2. CHANNEL	CH.	JOINT	JOINT
3. PERPENDICULAR	PERP.	JOINT	JOINT
4. PLATE	PL.	JOINT	JOINT
5. ROOM/DIVIDER	RD.	JOINT	JOINT
6. ABOVE FINISH FLOOR	A.F.F.	JOINT	JOINT
7. ASPHALT TILE	ASPH.	JOINT	JOINT
8. AIR CONDITIONING	A.C.	JOINT	JOINT
9. ACOUSTICAL TILE	AC.T.	JOINT	JOINT
10. ADJUST.	ADJ.	JOINT	JOINT
11. ALUMINUM	ALUM.	JOINT	JOINT
12. ANCHOR	ANCH.	JOINT	JOINT
13. ANCHORED	ANCH.	JOINT	JOINT
14. ARCHITECTURAL	ARCH.	JOINT	JOINT
15. ASBESTOS	ASB.	JOINT	JOINT
16. ASPHALT	ASPH.	JOINT	JOINT
17. BENCHMARK	B.M.	JOINT	JOINT
18. BUILT-UP ROOF	B.U.R.	JOINT	JOINT
19. BOTH WAYS	B.W.	JOINT	JOINT
20. BOARD	BO.	JOINT	JOINT
21. BLOCKING	BLG.	JOINT	JOINT
22. BLOCK	BLK.	JOINT	JOINT
23. BEARING	BRG.	JOINT	JOINT
24. BEARING	BRG.	JOINT	JOINT
25. BRICK	BRK.	JOINT	JOINT
26. BRICK	BRK.	JOINT	JOINT
27. BRICK	BRK.	JOINT	JOINT
28. BRICK	BRK.	JOINT	JOINT
29. BRICK	BRK.	JOINT	JOINT
30. BRICK	BRK.	JOINT	JOINT
31. BRICK	BRK.	JOINT	JOINT
32. BRICK	BRK.	JOINT	JOINT
33. BRICK	BRK.	JOINT	JOINT
34. BRICK	BRK.	JOINT	JOINT
35. BRICK	BRK.	JOINT	JOINT
36. BRICK	BRK.	JOINT	JOINT
37. BRICK	BRK.	JOINT	JOINT
38. BRICK	BRK.	JOINT	JOINT
39. BRICK	BRK.	JOINT	JOINT
40. BRICK	BRK.	JOINT	JOINT
41. BRICK	BRK.	JOINT	JOINT
42. BRICK	BRK.	JOINT	JOINT
43. BRICK	BRK.	JOINT	JOINT
44. BRICK	BRK.	JOINT	JOINT
45. BRICK	BRK.	JOINT	JOINT
46. BRICK	BRK.	JOINT	JOINT
47. BRICK	BRK.	JOINT	JOINT
48. BRICK	BRK.	JOINT	JOINT
49. BRICK	BRK.	JOINT	JOINT
50. BRICK	BRK.	JOINT	JOINT
51. BRICK	BRK.	JOINT	JOINT
52. BRICK	BRK.	JOINT	JOINT
53. BRICK	BRK.	JOINT	JOINT
54. BRICK	BRK.	JOINT	JOINT
55. BRICK	BRK.	JOINT	JOINT
56. BRICK	BRK.	JOINT	JOINT
57. BRICK	BRK.	JOINT	JOINT
58. BRICK	BRK.	JOINT	JOINT
59. BRICK	BRK.	JOINT	JOINT
60. BRICK	BRK.	JOINT	JOINT
61. BRICK	BRK.	JOINT	JOINT
62. BRICK	BRK.	JOINT	JOINT
63. BRICK	BRK.	JOINT	JOINT
64. BRICK	BRK.	JOINT	JOINT
65. BRICK	BRK.	JOINT	JOINT
66. BRICK	BRK.	JOINT	

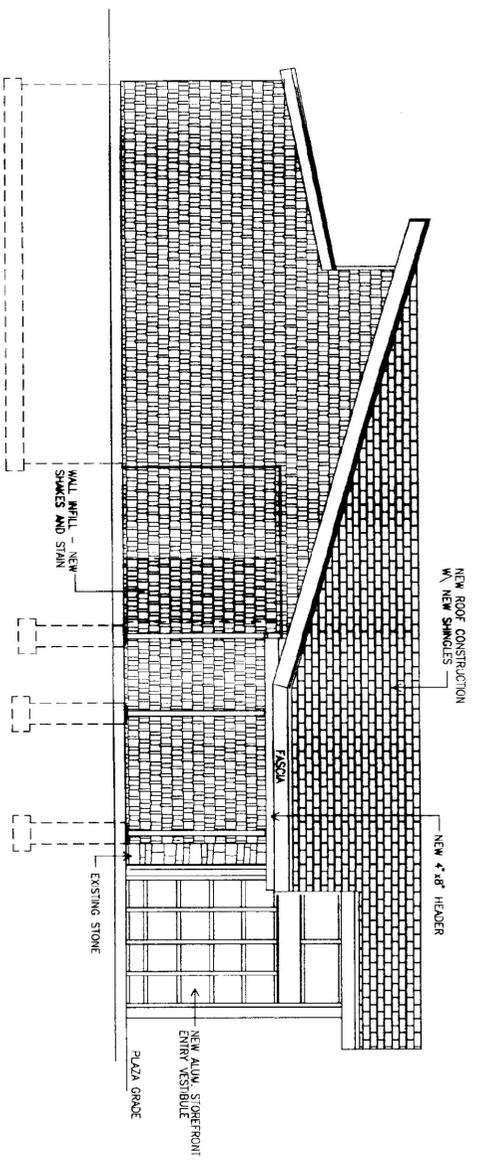


1 SECTION A-A
SCALE: 1/4" = 1'

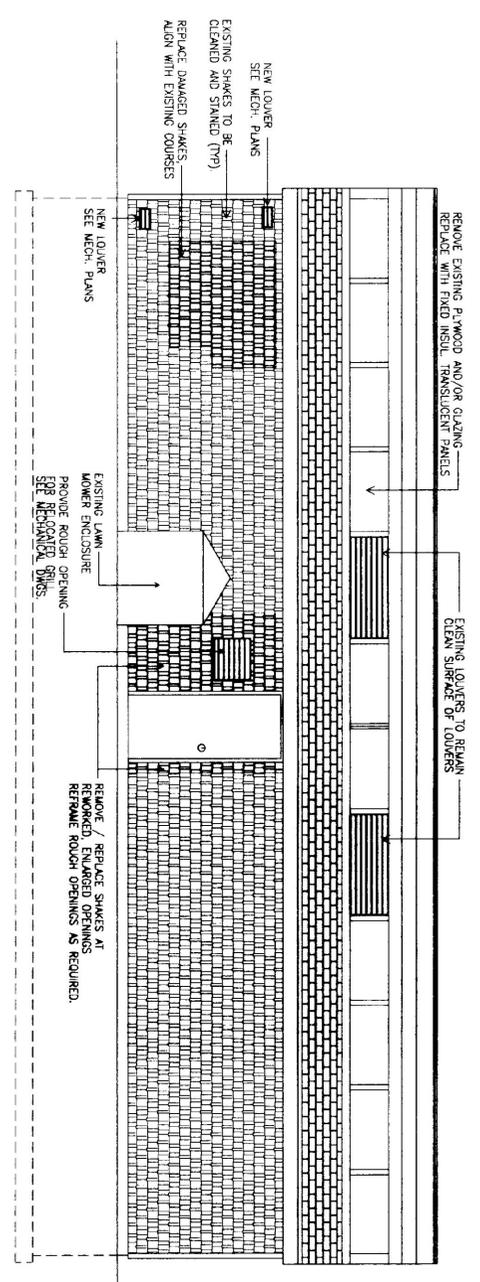


6 PANEL TRIM DETAIL
SCALE: N.T.S.

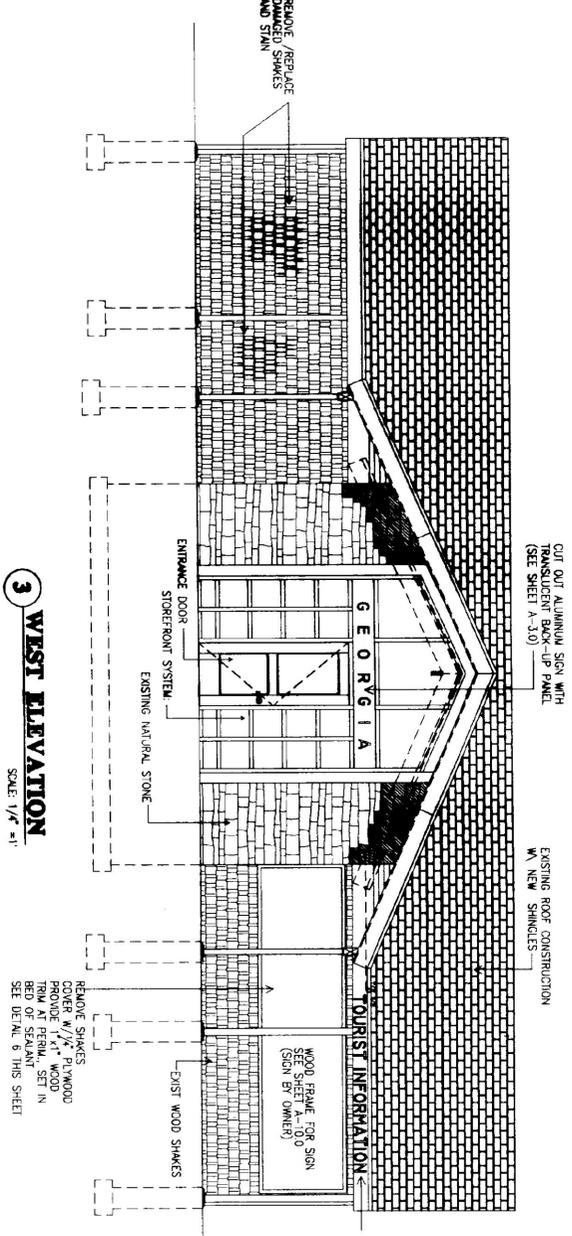
- EXTERIOR GENERAL NOTES:**
1. AREA OF SHAKES HIGHLIGHTED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY TO DETERMINE THE EXTENT OF SHAKE REPLACEMENT.
 2. WHERE SHAKES ARE BEING REPLACED, CONTRACTOR SHALL VERIFY INTEGRITY OF EXISTING BUILDING PAPER AND REPLACE IF NECESSARY.
 3. AT ROOF REPLACEMENT 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 ALL EAVES SHALL EXTEND FROM EAVE EDGE TO 3' BEYOND EXTERIOR WALL.



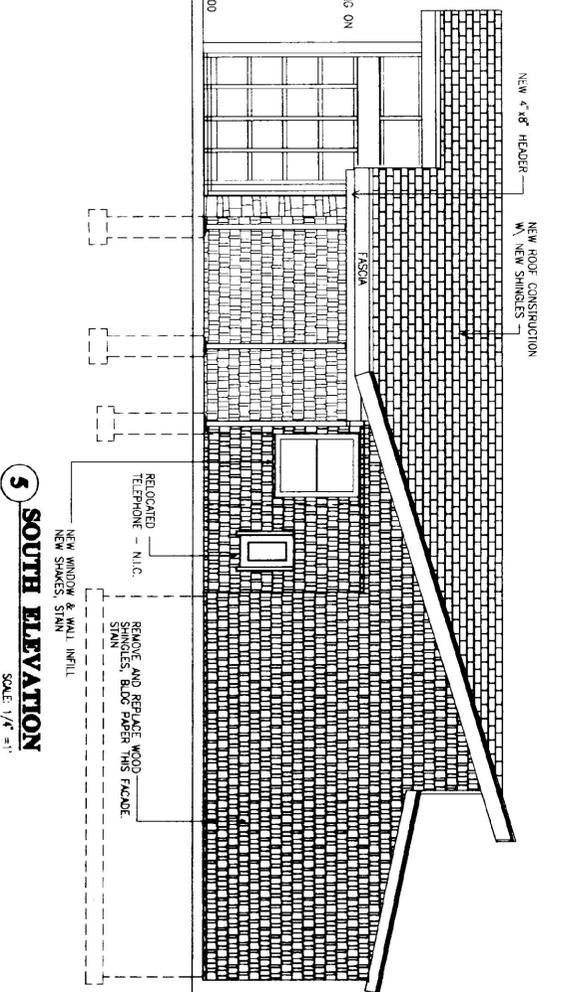
2 NORTH ELEVATION
SCALE: 1/4" = 1'



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



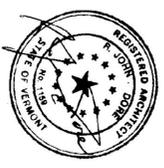
3 WEST ELEVATION
SCALE: 1/4" = 1'



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

LEGEND

	BLOCK WALL CONSTRUCTION
	NATURAL STONE WALL
	FASCIA SHAKES
	ROOF SHAKES
	BATT INSULATION

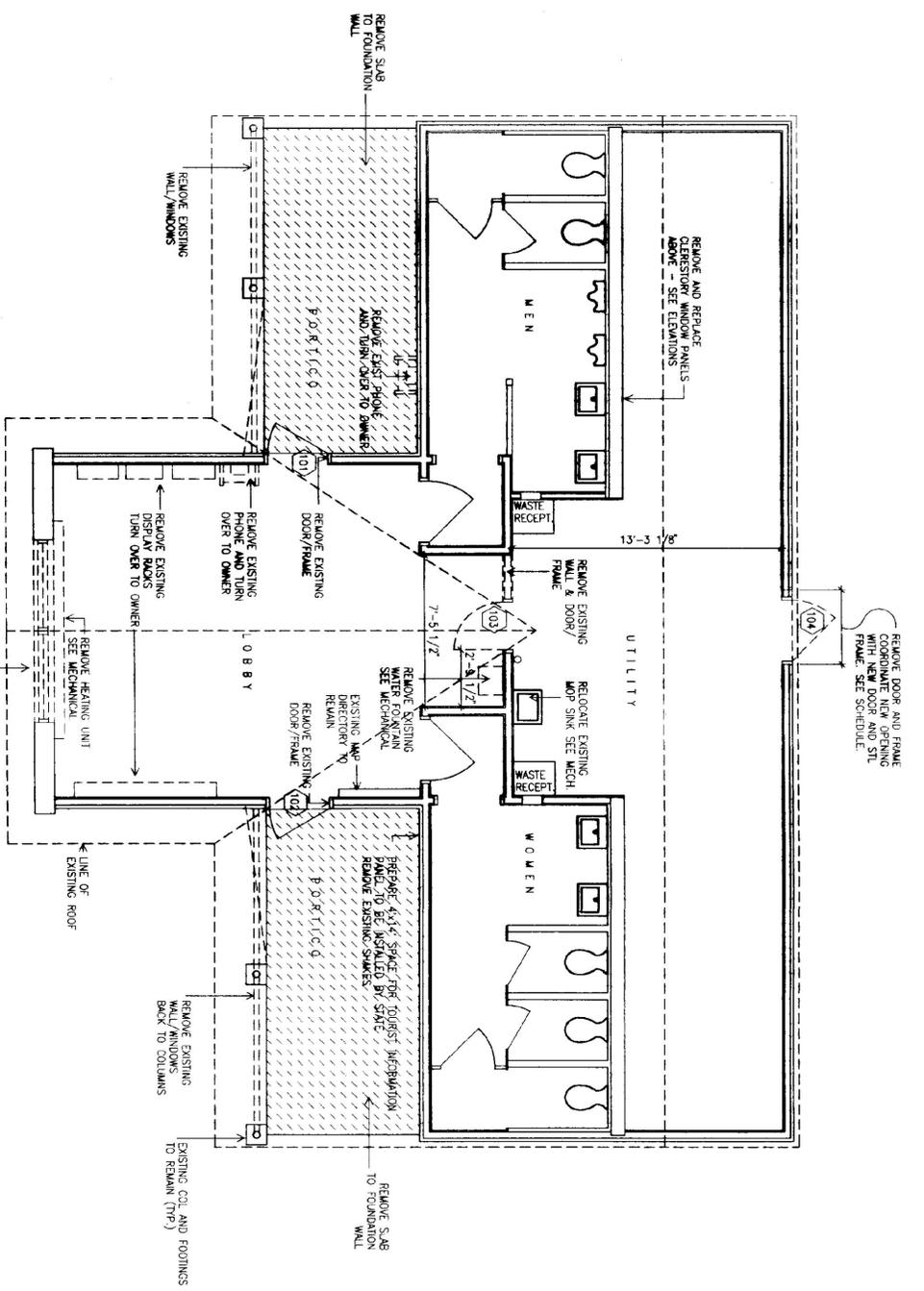


STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

**GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND**

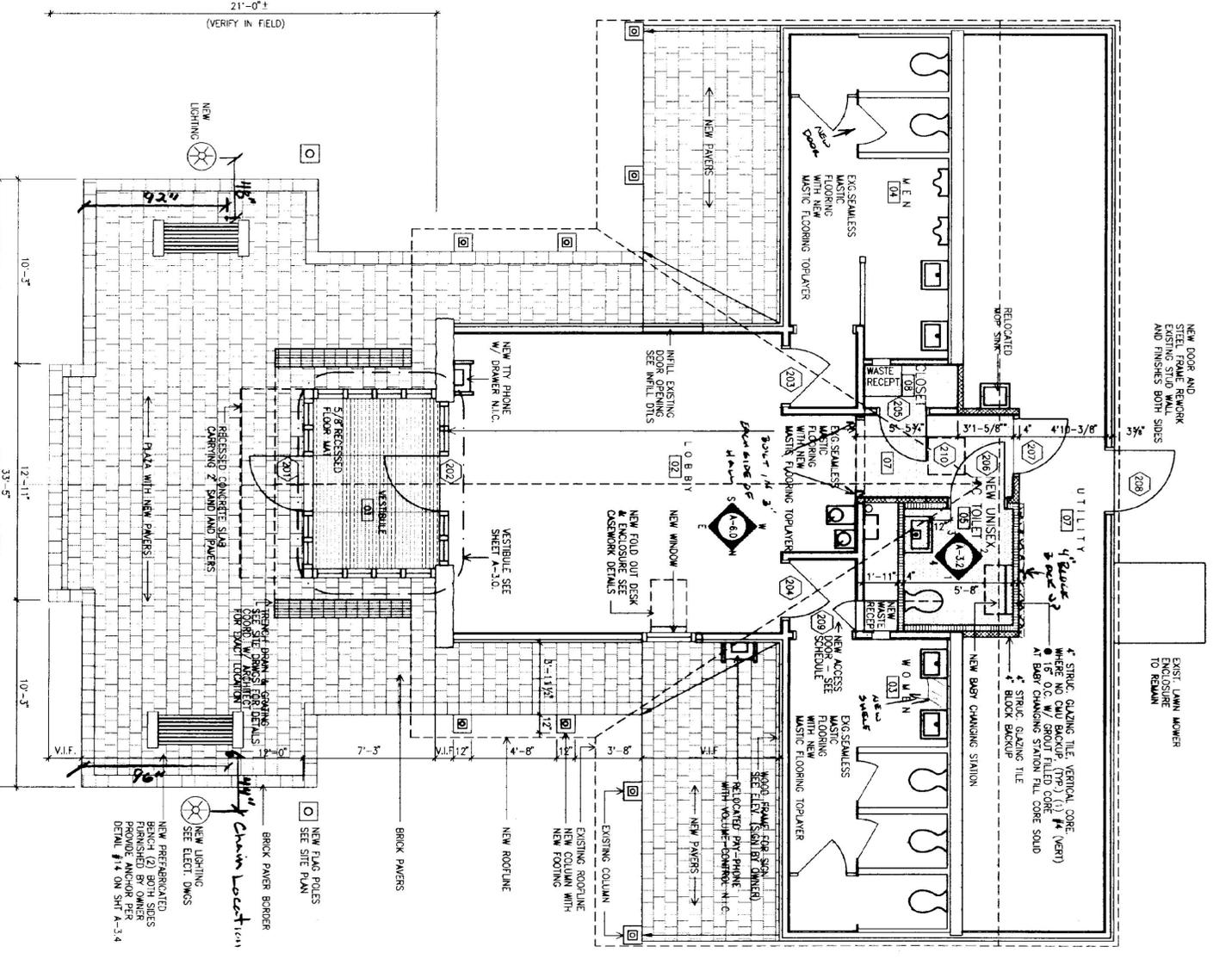
DATE: AUGUST 21, 1998	SCALE: 1/4" = 1'	REVISIONS:	DRAWING NAME: BUILDING ELEVATION
DRAWN BY: MSA	PROJECT NO.: M-089-3 (00)		DRAWING NO.: A-11
CHECKED BY: JSA			

AS BUILT
DATE: 7/21/98



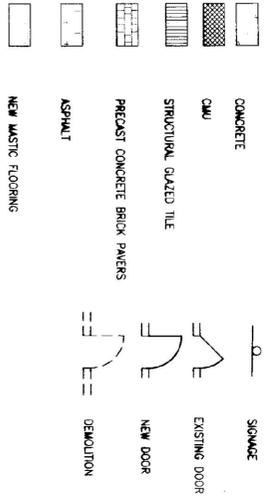
2 EXISTING FLOOR PLAN
SCALE: 1/4" = 1'

- NOTES:**
- REMOVE ALL EXISTING HANDICAPPED SIGNAGE AT RESTROOMS AND STORAGE THAT DOES NOT MEET W.C. / E.C. FOR ADDITIONAL REMOVALS
 - SEE ELEVATIONS FOR ADDITIONAL REMOVALS

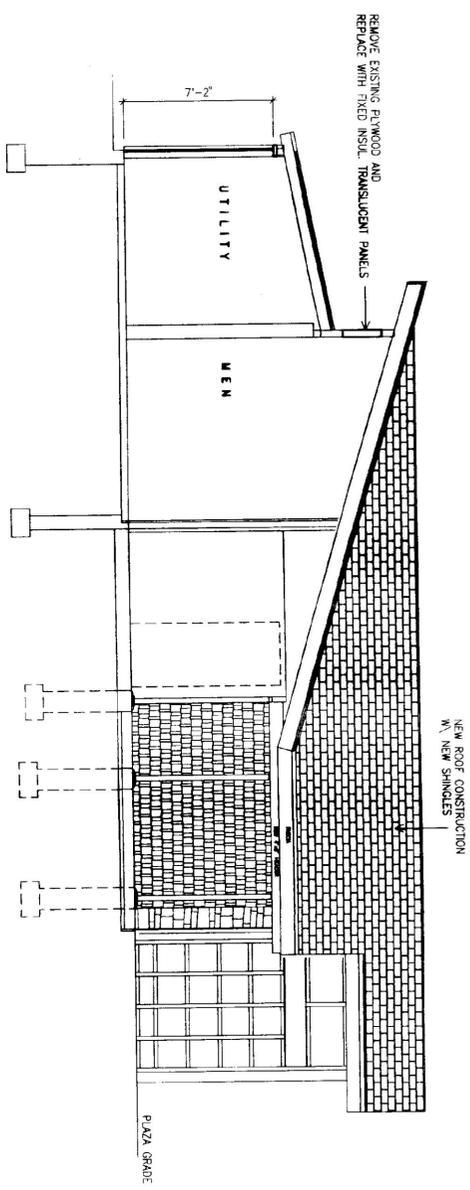


2 NEW FLOOR PLAN
SCALE: 1/4" = 1'

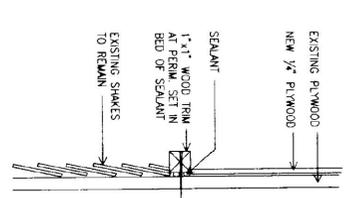
- NOTES:**
- INSTALL NEW HANDICAPPED SIGNAGE WHERE REQUIRED
 - INSTALL NEW SIGNAGE FOR BABY CHANGING STATION



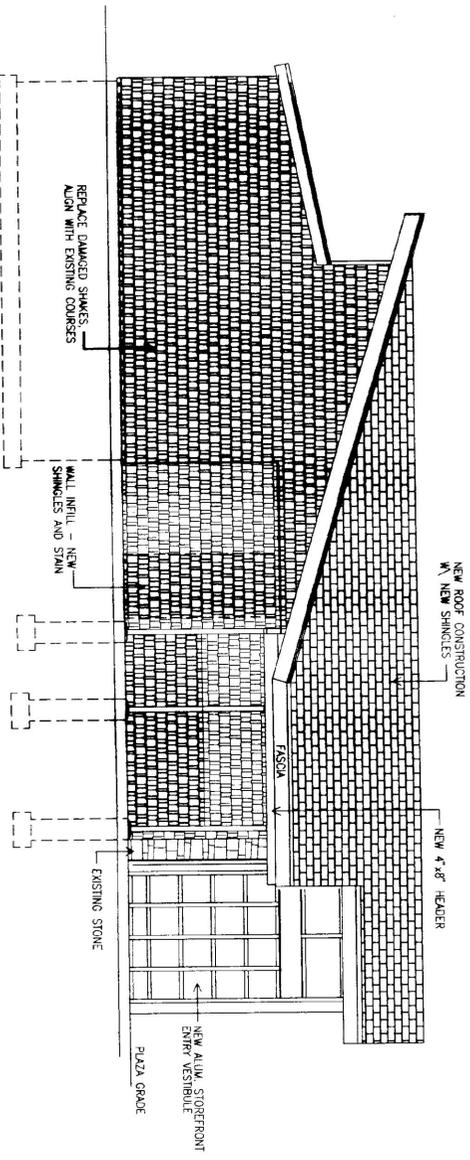
STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTPELIER, VERMONT			
GEORGIA INTERSTATE 89 REST AREAS SOUTHBOUND			
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	1/4" = 1'-0"		BUILDING PLAN
DRAWN BY: MSS	PROJECT NO. M-088-3 (30)	CHECKED BY: SJA	DRAWING NO. A-20



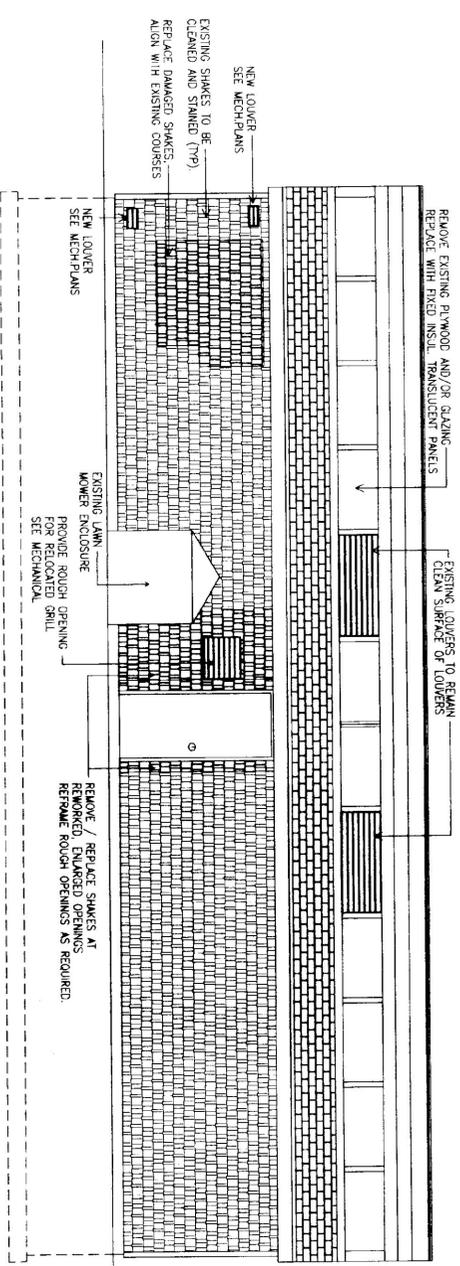
1 SECTION A-A
SCALE: 1/4" = 1'



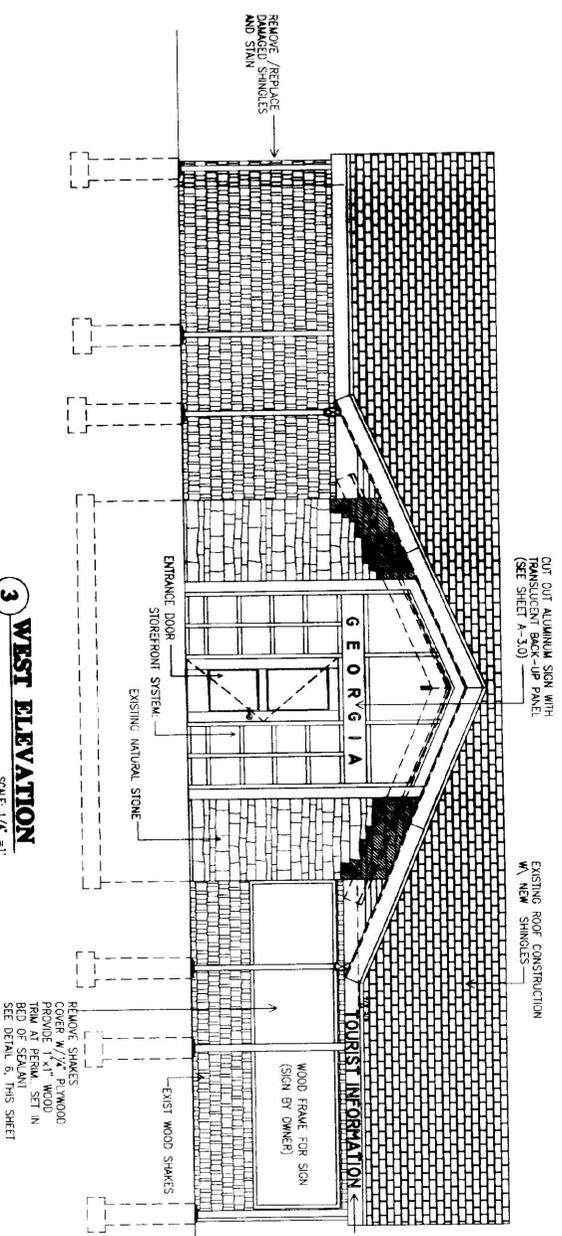
6 PANEL TRIM DETAIL
SCALE N.T.S.



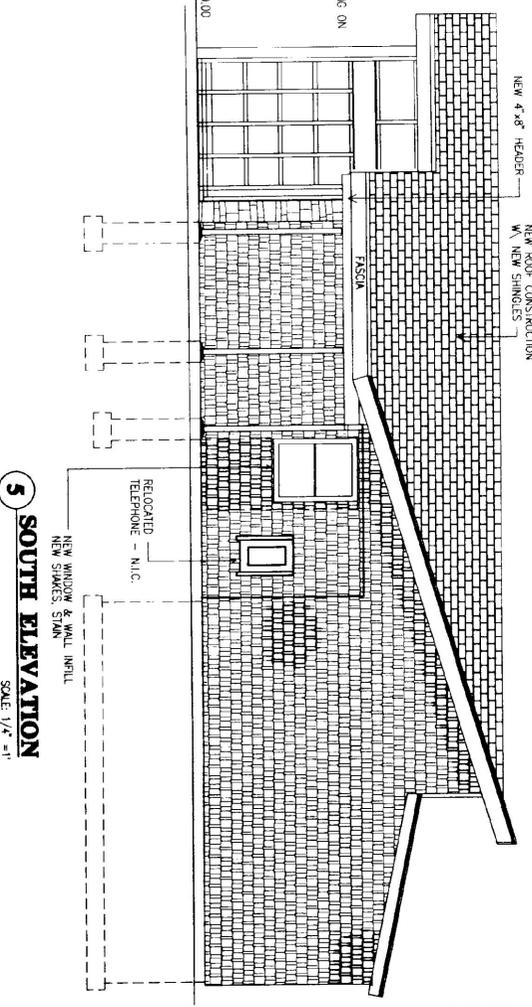
2 NORTH ELEVATION
SCALE: 1/4" = 1'



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



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



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

LEGEND

	BLOCK WALL CONSTRUCTION
	NATURAL STONE WALL
	FASCIA SHAKES
	ROOF SHINGLES
	BATT INSULATION

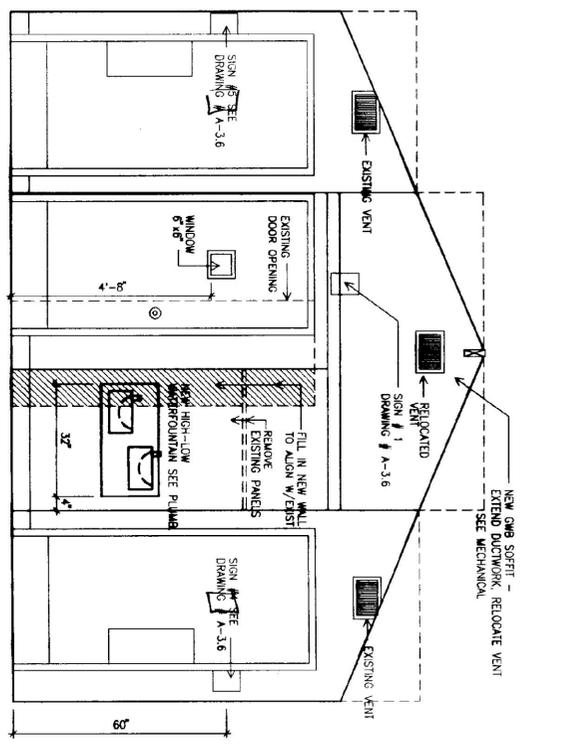


STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

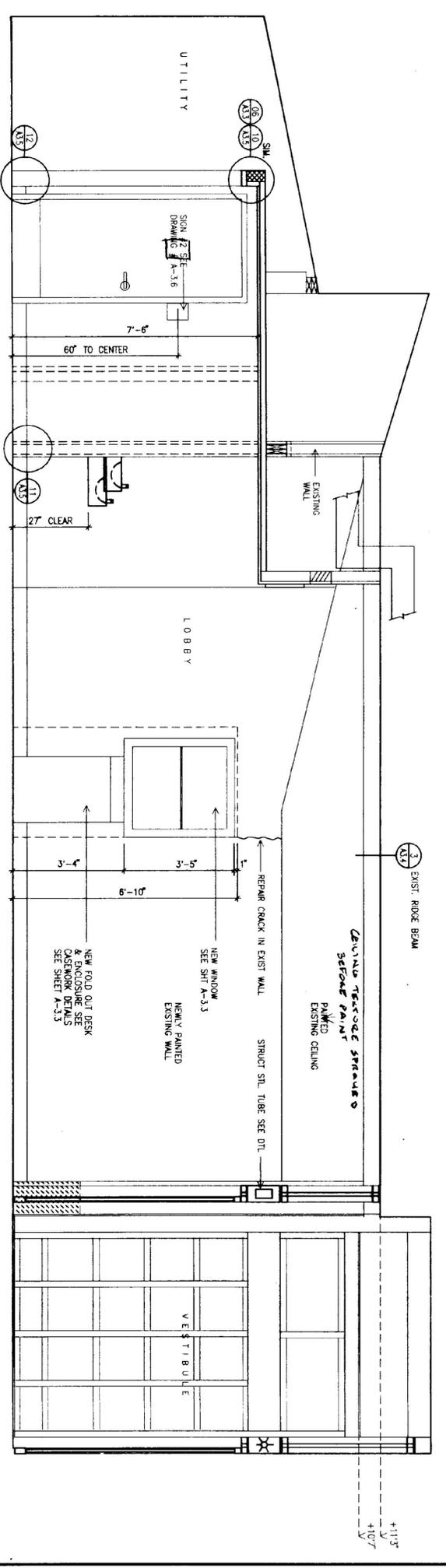
GEORGIA INTERSTATE 89 REST AREAS
SOUTHBOUND

DATE: AUGUST 21, 1998	SCALE: 1/4" = 1'	REVISIONS:	DRAWING SCALE:
DRAWN BY: LBS	PROJECT NO. M-088-3 (30)		BUILDING ELEVATION
CHECKED BY: SBA			DRAWING NO.: A-2.1

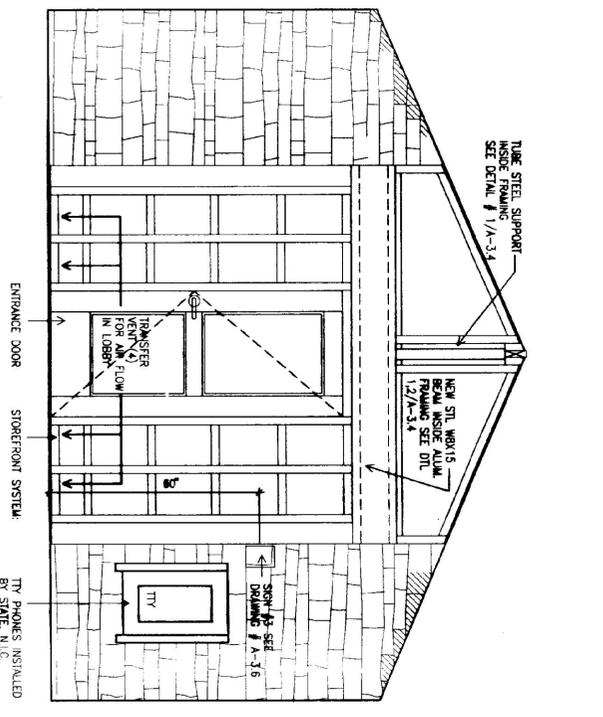
- EXTERIOR GENERAL NOTES:**
1. AREA OF SHAKES HIGHLIGHTED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY TO DETERMINE THE EXTENT OF SHAKE REPLACEMENT.
 2. WHERE SHAKES ARE BEING REPLACED, CONTRACTOR SHALL VERIFY INTEGRITY OF EXISTING BUILDING PAPER AND REPLACE IF NECESSARY.
 3. AT ROOF REPLACEMENT 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.



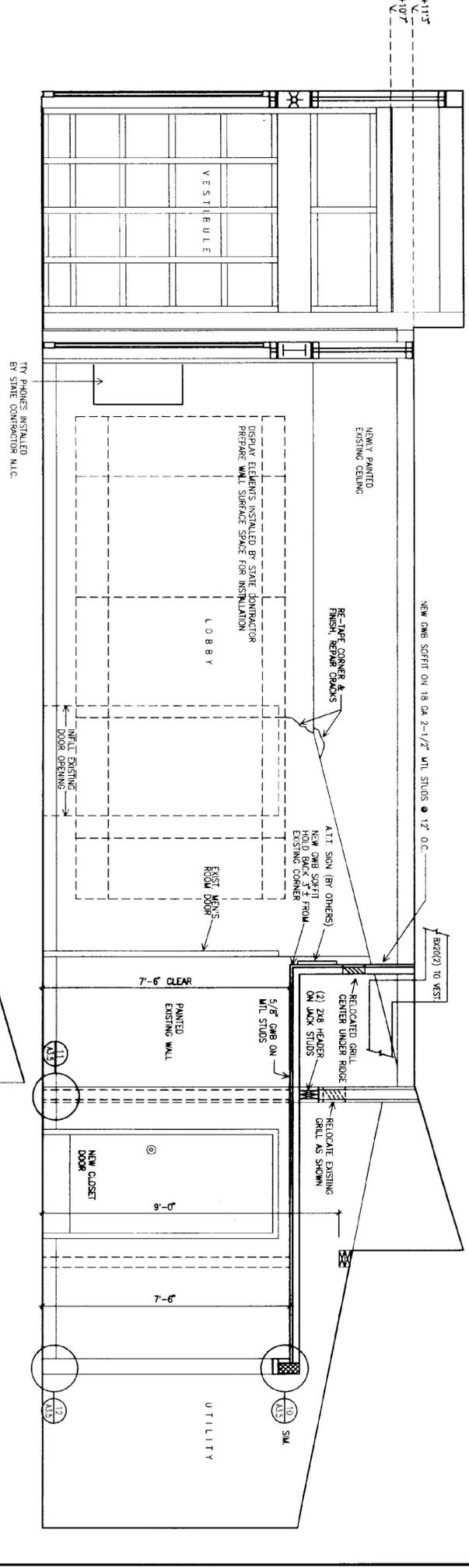
1 WEST ELEVATION
SCALE: 1/2" = 1'



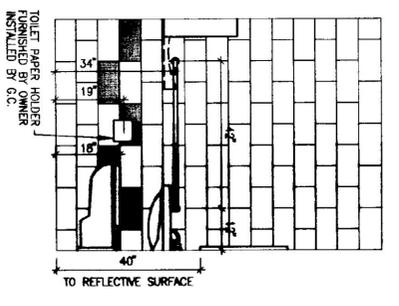
2 NORTH ELEVATION
SCALE: 1/2" = 1'



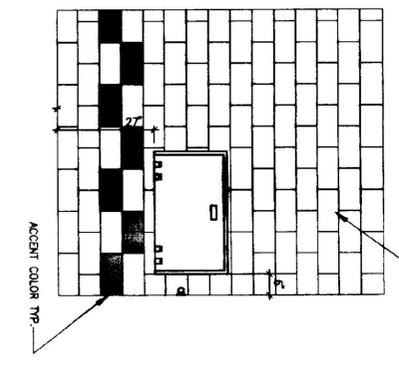
3 EAST ELEVATION
SCALE: 1/2" = 1'



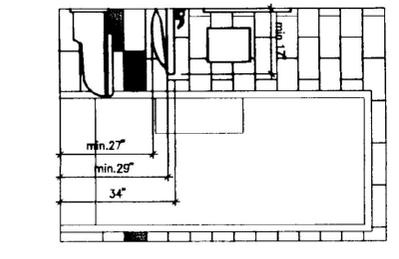
4 SOUTH ELEVATION
SCALE: 1/2" = 1'



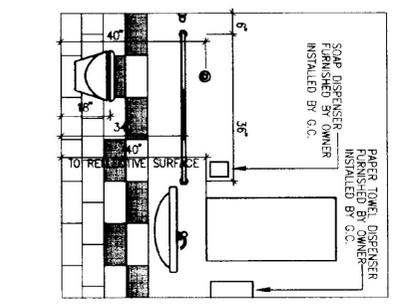
5 INTERIOR ELEVATION
SCALE: 1/2" = 1'



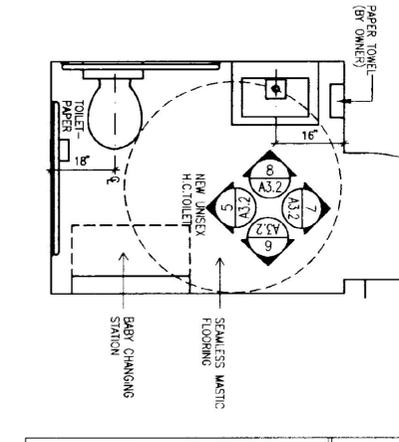
6 INTERIOR ELEVATION
SCALE: 1/2" = 1'



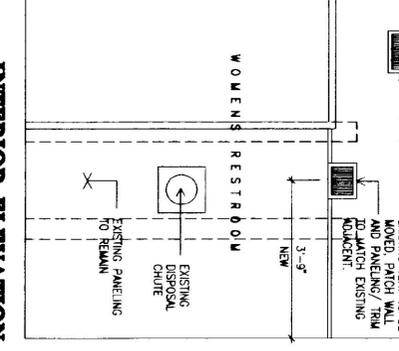
7 INTERIOR ELEVATION
SCALE: 1/2" = 1'



8 INTERIOR ELEVATION
SCALE: 1/2" = 1'



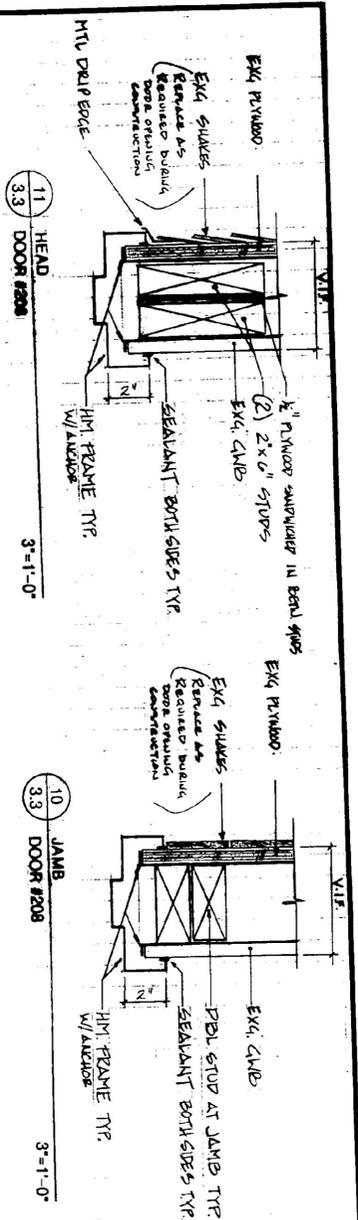
9 PLAN
SCALE: 1/2" = 1'



10 INTERIOR ELEVATION WOMEN'S RESTROOM
SCALE: 1/2" = 1'

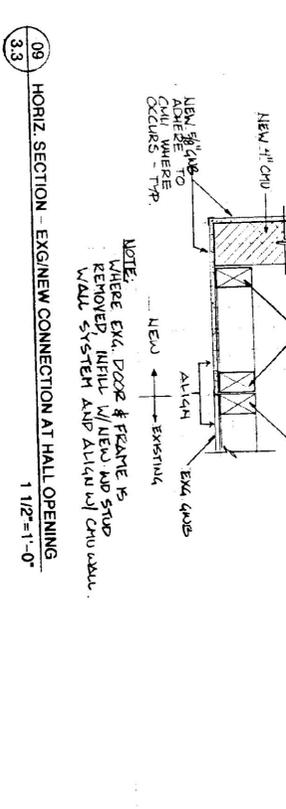
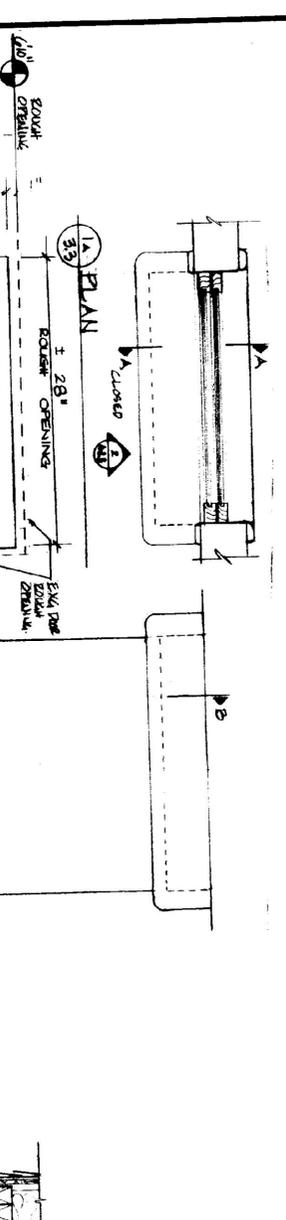


<p>STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION CONTROLLER, VERMONT</p>			
<p>GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND</p>			
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1988	1/2" = 1'		INTERIOR ELEVATIONS
DRAWN BY: LMB	PROJECT NO. M-088-3 (20)		DRAWING NO.:
CHECKED BY: JBA			A-3-2

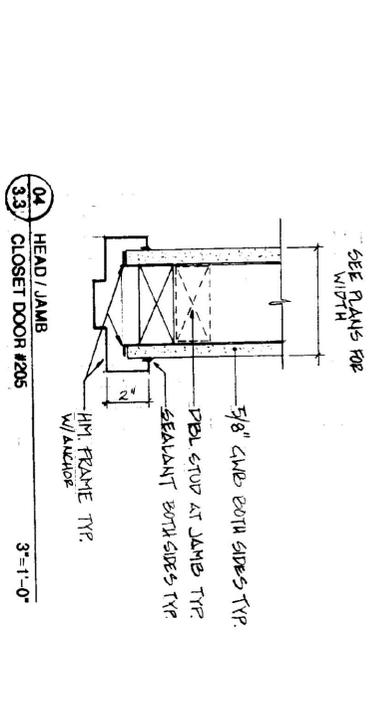
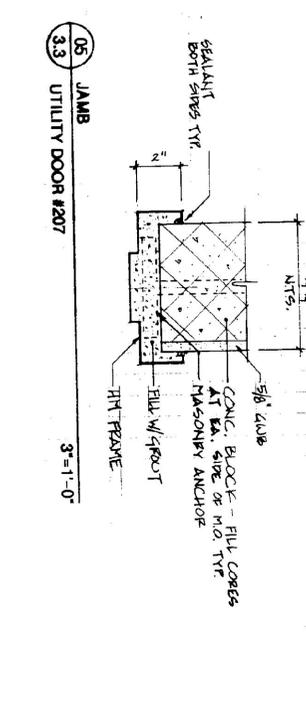
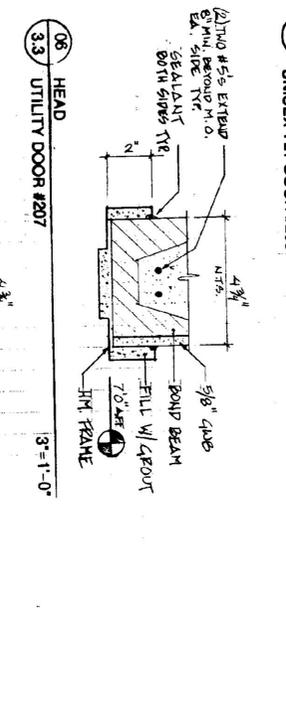
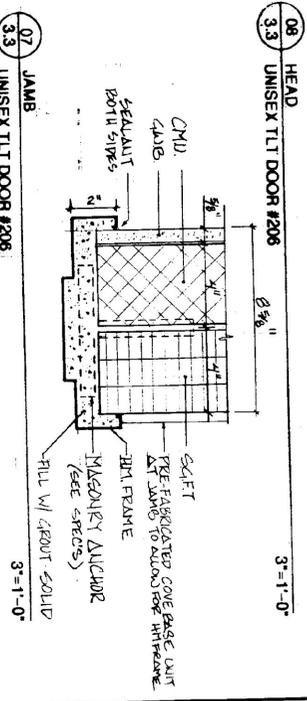
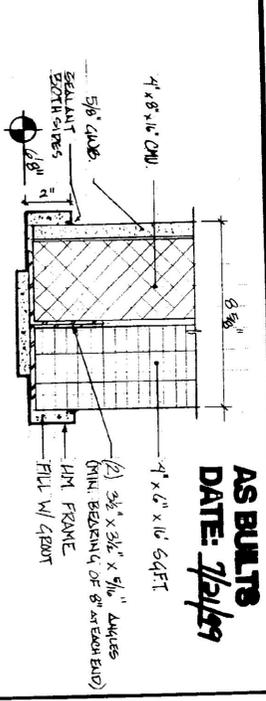
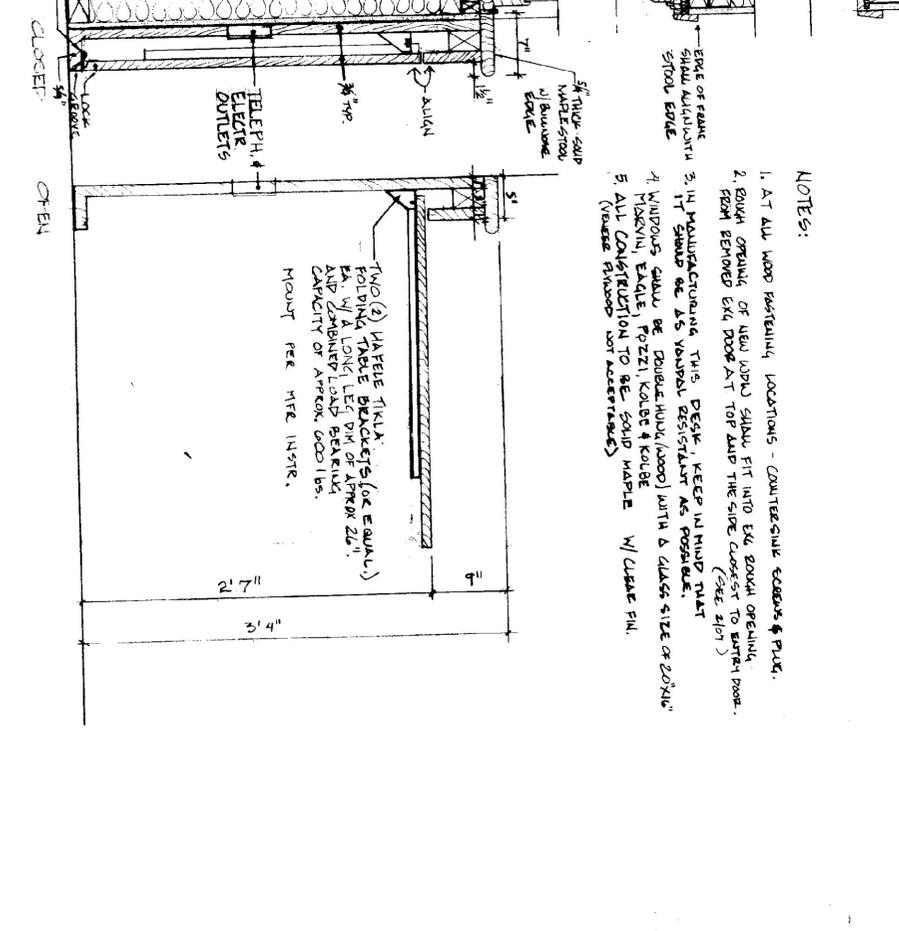
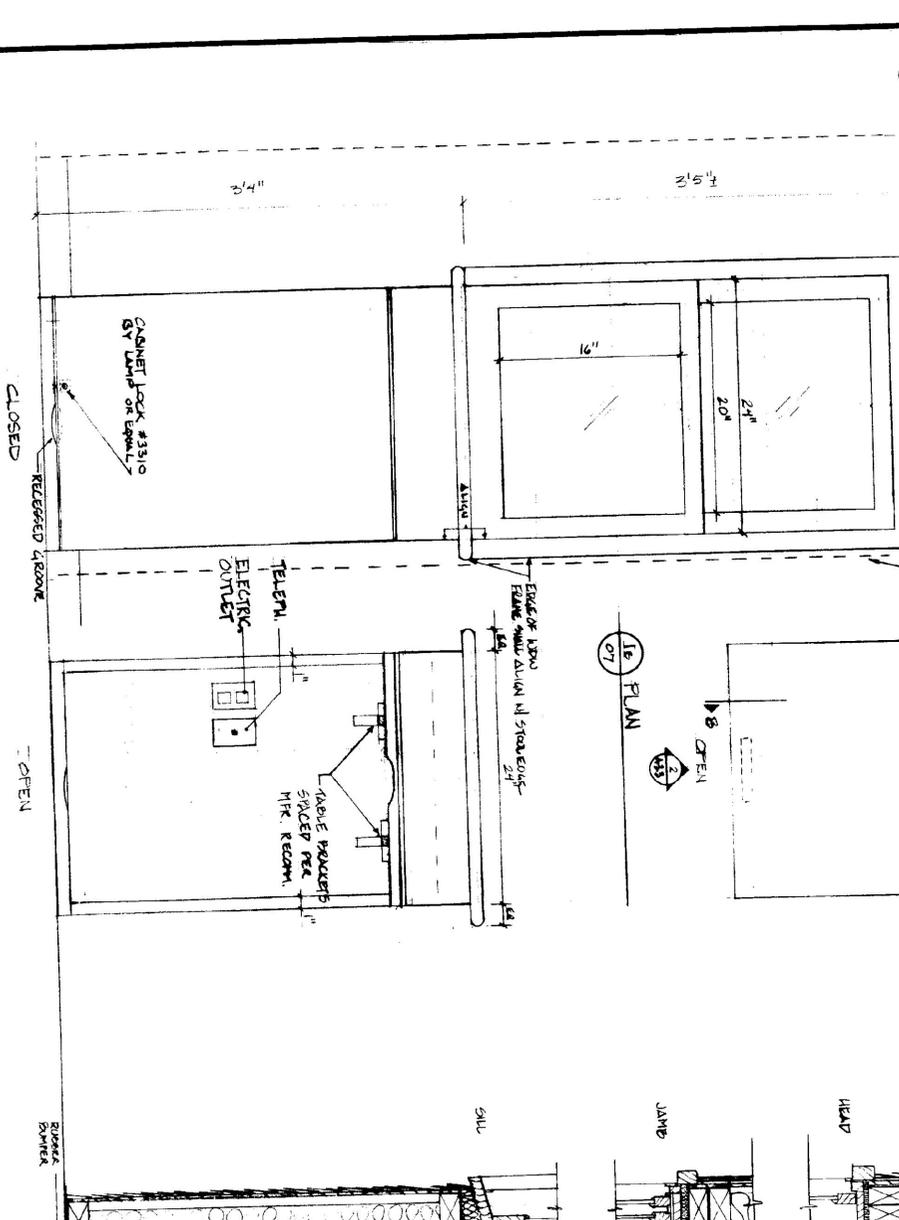


DOOR SCHEDULE										
DOOR #	DOOR	W	H	FRAME	JAMB	UNIEL	THR.	LABEL	HOUR	REMARKS
101	EXISTING TO BE REMOVED									(EXG. ENTRY DOOR)
102	EXISTING TO BE REMOVED									(EXG. ENTRY DOOR)
103	EXISTING TO BE REMOVED									
104	EXISTING TO BE REMOVED									* SEE SECTION 08400
201	A	AL	3'-0"	6'-8"	AL					* SEE SECTION 08400
202	A	AL	3'-0"	6'-8"	AL					* SEE SECTION 08400
203	EXISTING TO REMAIN									
204	EXISTING TO REMAIN									
205	B	HM	2'-6"	6'-8"	HM	04/33	04/33			
206	B	HM	3'-0"	6'-8"	HM	08/33	07/33	YES	1	PROVIDE 6"x6" ONE WAY LITE CENTERED @ 5'-0" A.F.F.
207	C	HM	3'-0"	6'-8"	HM	08/33	05/33	YES	2	* USE SAME THRESHOLD AS ENTRY DOORS
208	B	HM	3'-6"	6'-8"	HM	11/33	10/33			WFR. PROVIDES FRAME AND HINER
209	D	HM	2'-0"	4'-0"	HM					WFR. PROVIDES FRAME AND HINER
210	D	HM	2'-0"	2'-0"	HM					WFR. PROVIDES FRAME AND HINER

DOOR TYPES:
 TYPE A: SEE ELEVATIONS
 TYPE B: FLUSH HOLLOW METAL ONEWAY LITE
 TYPE C: FLUSH HM WITH 6"x6"
 TYPE D: ACCESS DOOR HATCH



- NOTES:
1. AT ALL WOOD FASTENING LOCATIONS - COUNTERSINK SCREWS & NAILS.
 2. BOUND OPENING OF NEW JAMB SHALL FIT INTO EXG. BOUND OPENING FROM REMOVED EXG. DOOR AT TOP AND THE SILE CASSETT TO BUILT POOR. (SEE 3101)
 3. IN MANUFACTURING THIS DECK, KEEP IN MIND THAT IT SHOULD BE 25 YEARS RESISTANT AS POSSIBLE.
 4. WINDOWS SHALL BE DOUBLE-HUNG (WOOD) WITH A GLASS SIZE OF 20"x10" (MASONRY TABLE, POZZI, KOLBE & KOLBE)
 5. ALL CONSTRUCTION TO BE SOLID MASONRY W/ CLEAR FIN. (UNLESS SHOWN OR ACCEPTED)



GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: AUGUST 21, 1998
 SCALE: AS NOTED
 DRAWN BY: MBS
 CHECKED BY: JMA

REVISIONS:
 FOLDING TABLE / DOOR AND WINDOW SCHEDULE
 DRAWING NO. A-33

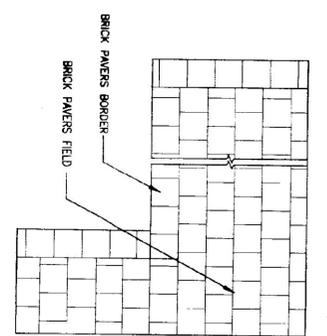
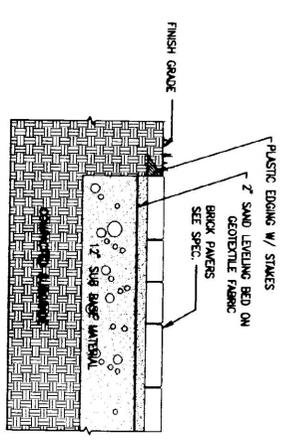
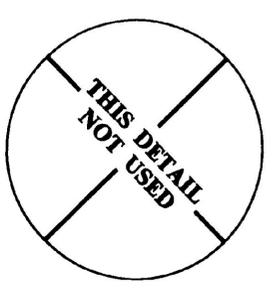
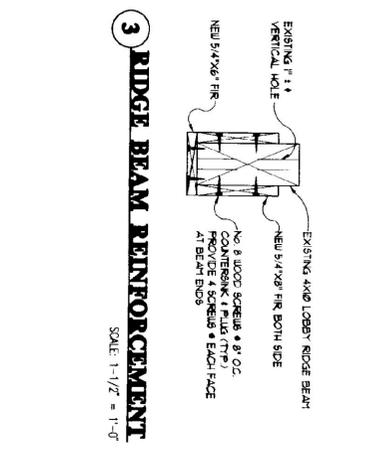
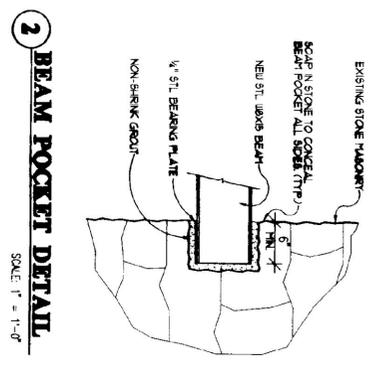
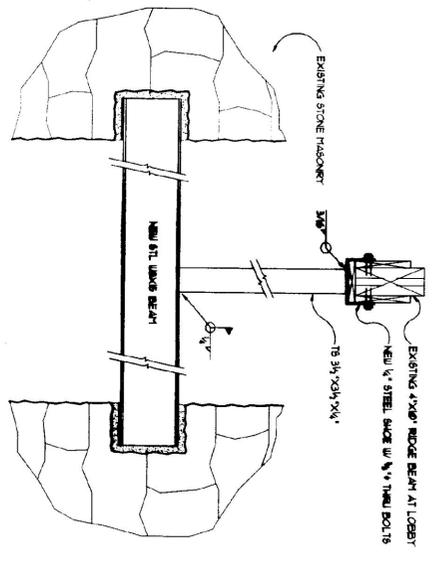
STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTELEONE VERMONT

GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND

DATE: AUGUST 21, 1998
 SCALE: AS NOTED
 DRAWN BY: MBS
 CHECKED BY: JMA

REVISIONS:
 FOLDING TABLE / DOOR AND WINDOW SCHEDULE
 DRAWING NO. A-33

AS BUILT
DATE: 7/21/89



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

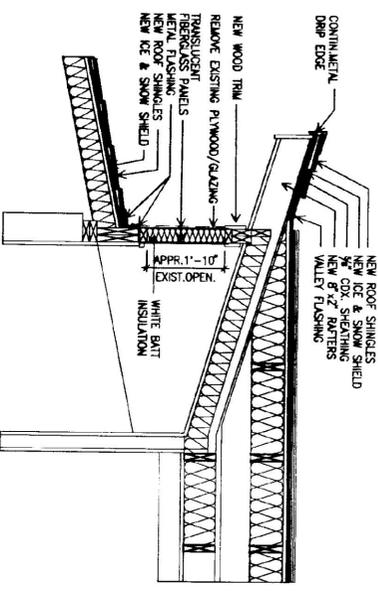
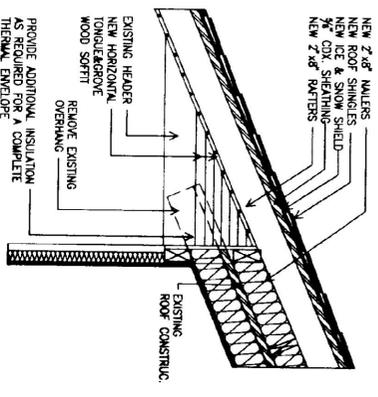
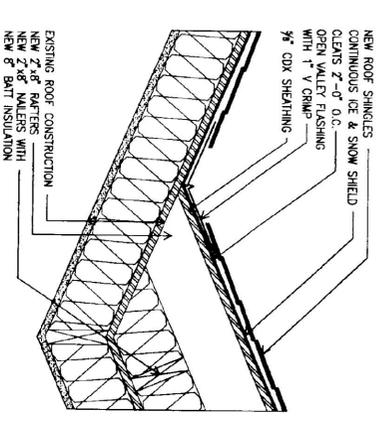
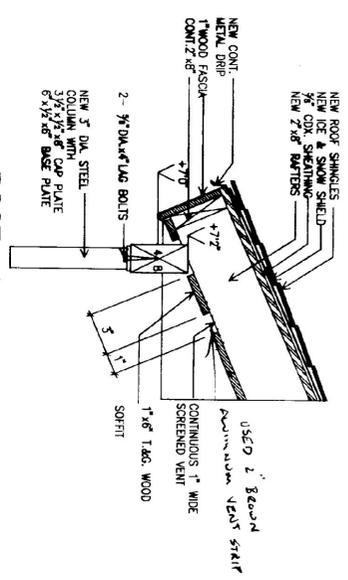
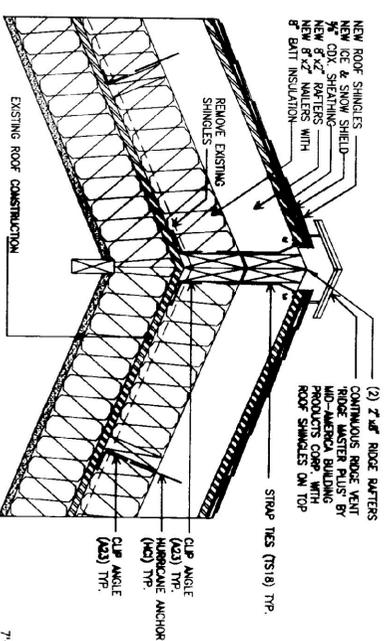
2 BEAM POCKET DETAIL
SCALE: 1" = 1'-0"

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

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

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

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



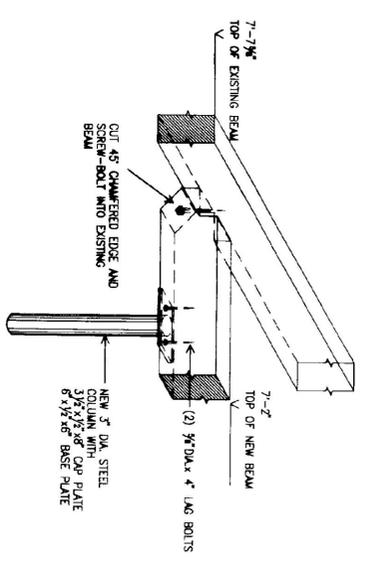
7 TYPICAL ROOF RIDGE
SCALE: 1" = 1'-0"

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

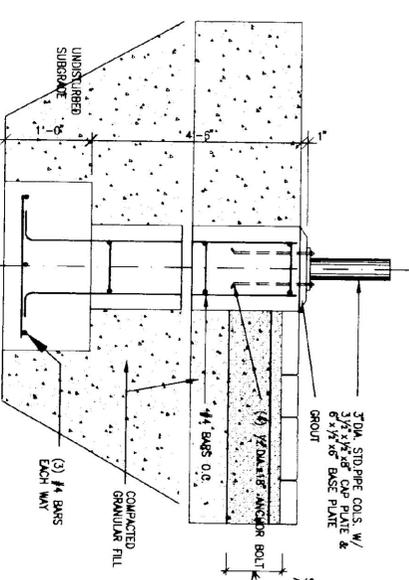
9 TYPICAL ROOF VALLEY
SCALE: 1" = 1'-0"

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

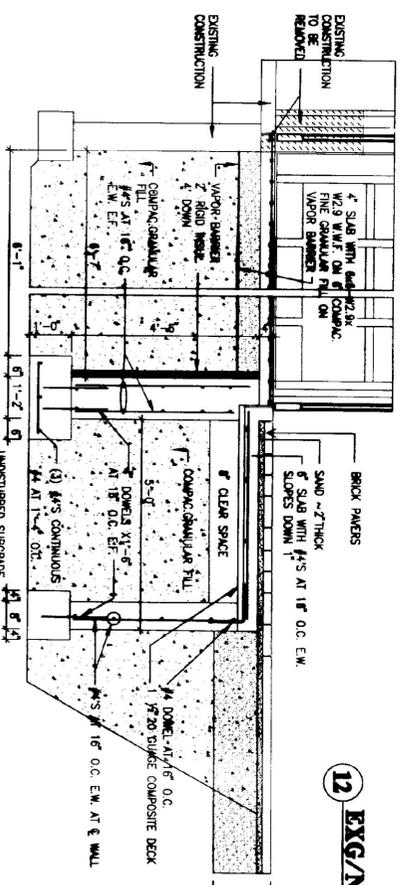
11 ROOF SECTION CHRISTORY WINDOWS
SCALE: 1" = 1'-0"



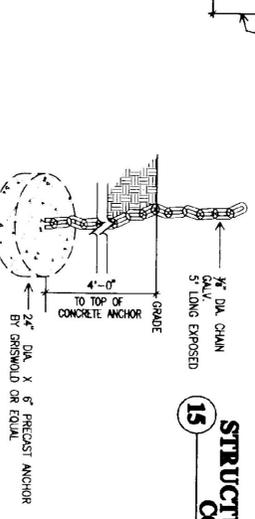
12 DETAIL EXG/NEW HEADER AT PORTICO
SCALE: 1" = 1'-0"



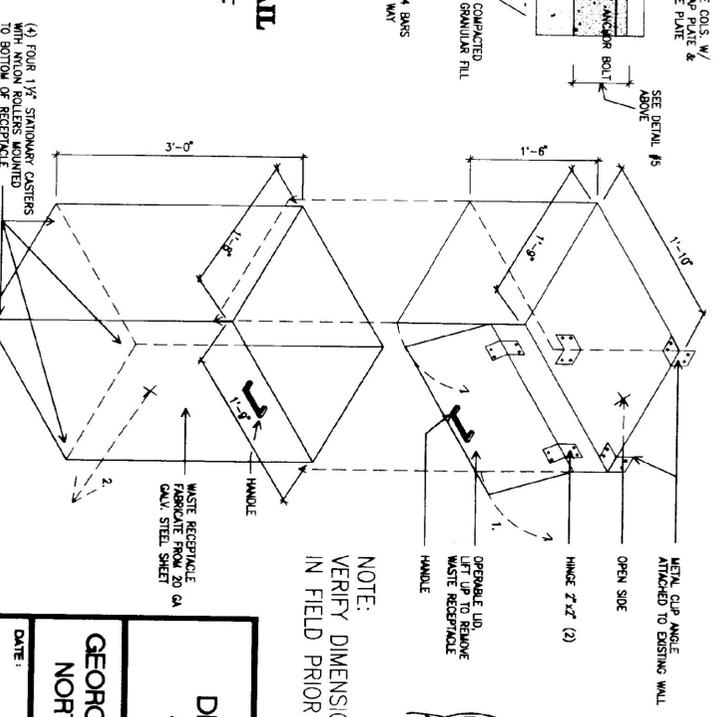
15 STRUCTURAL COLUMN FOUNDATION DETAIL
SCALE: 1" = 1'-0"



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

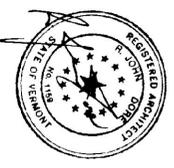


14 CONCRETE ANCHOR FOR PICNIC TABLE AND BENCHES
SCALE: 1/2" = 1'-0"



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

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

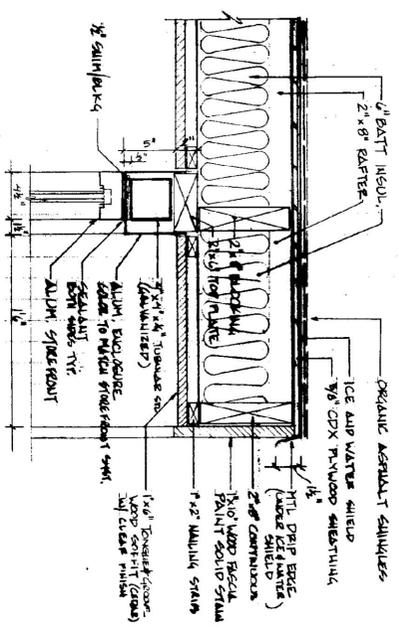


STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
NORTHFIELD, VERMONT

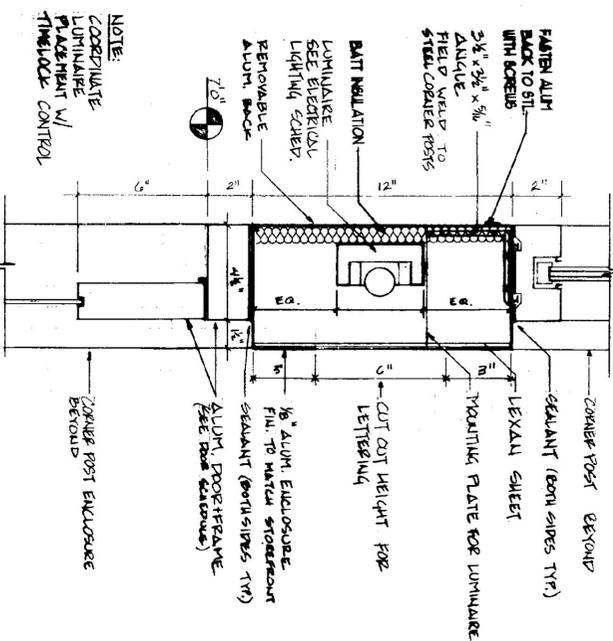
GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING TITLE:
AUGUST 21, 1988	AS NOTED		MISCELLANEOUS DETAILS
DRAWN BY:	PROJECT NO.:		DRAWING NO.:
MSB	M-088-3 (80)		
CHECKED BY:			

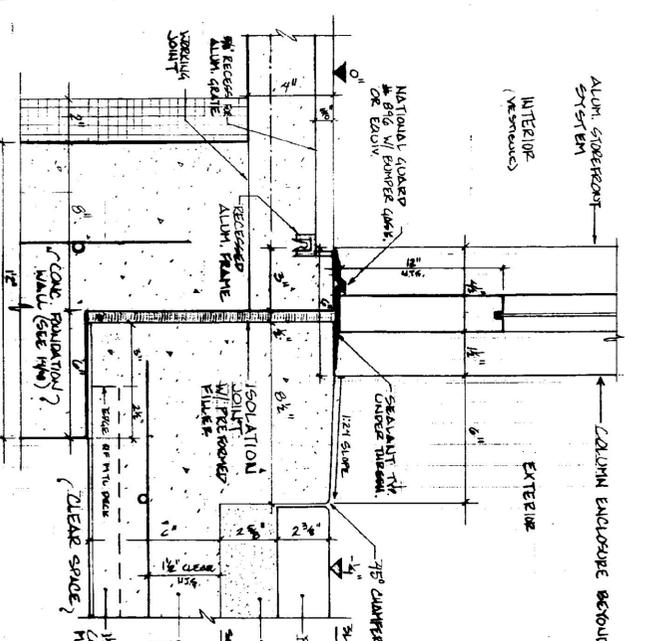
A-34



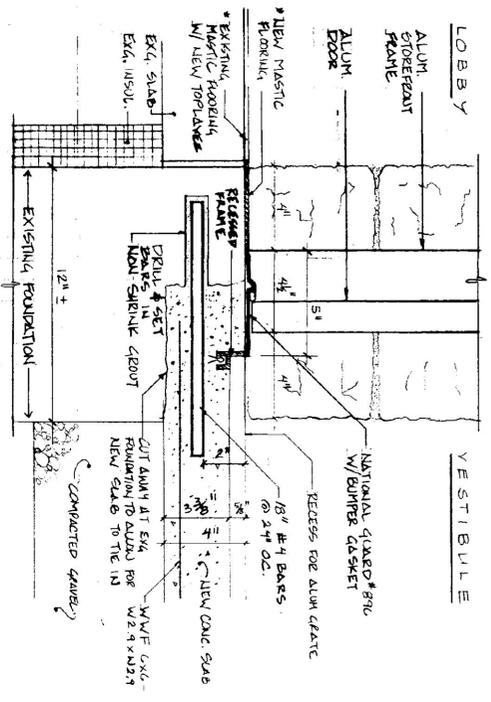
01 CONNECTION - STOREFRONT/ROOF
1 1/2'-1'-0"



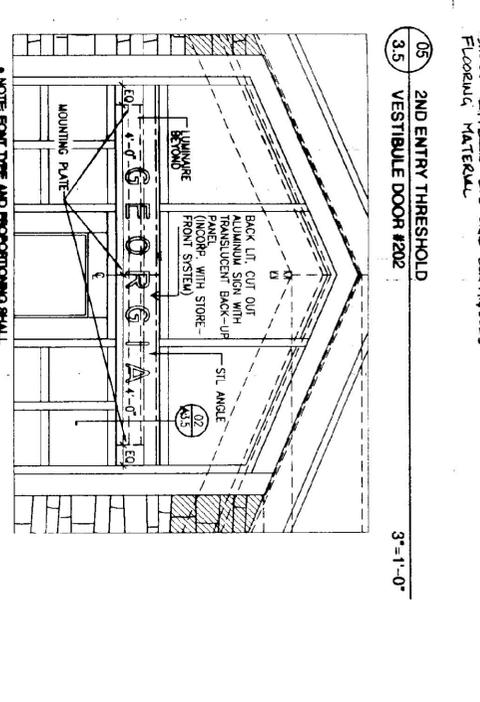
02 ENTRY - BACKLIT SIGN & DOOR HEAD
3'-1'-0"



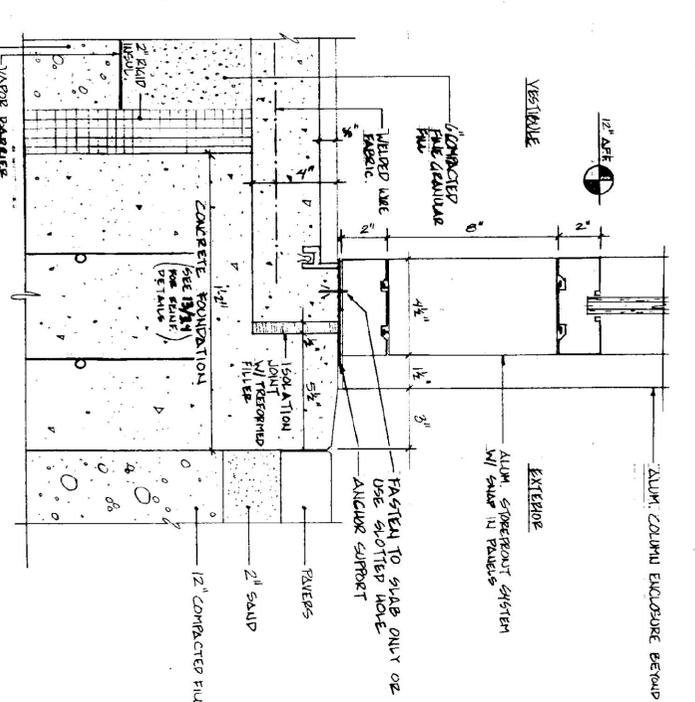
03 ENTRY - THRESHOLD SECTION
3'-1'-0"



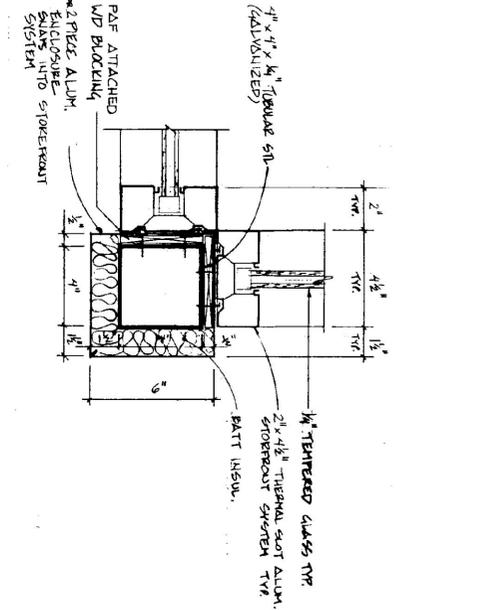
04 EXTERIOR STOREFRONT SILL
3'-1'-0"



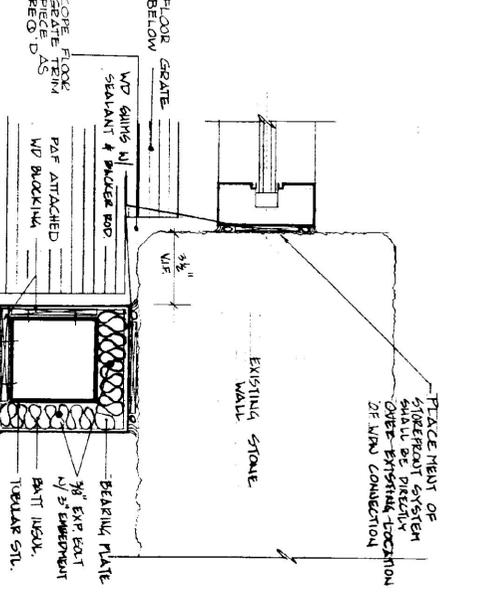
05 2ND ENTRY THRESHOLD
3'-1'-0"



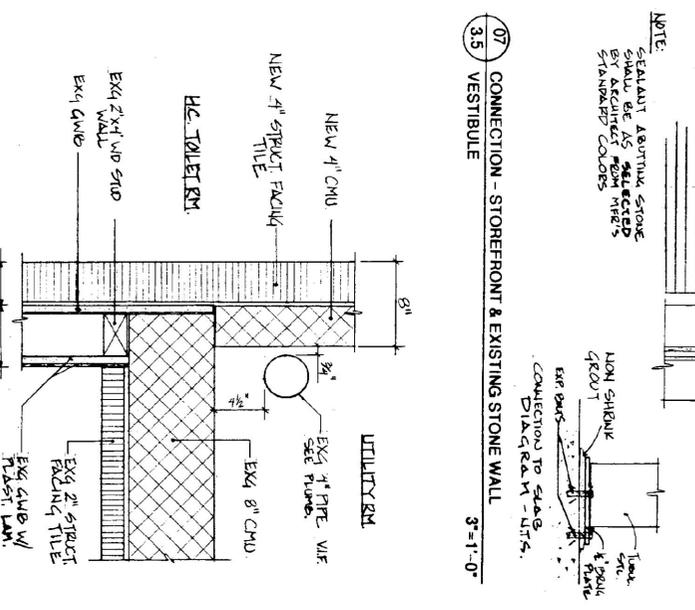
06 CORNER ENCLOSURE
3'-1'-0"



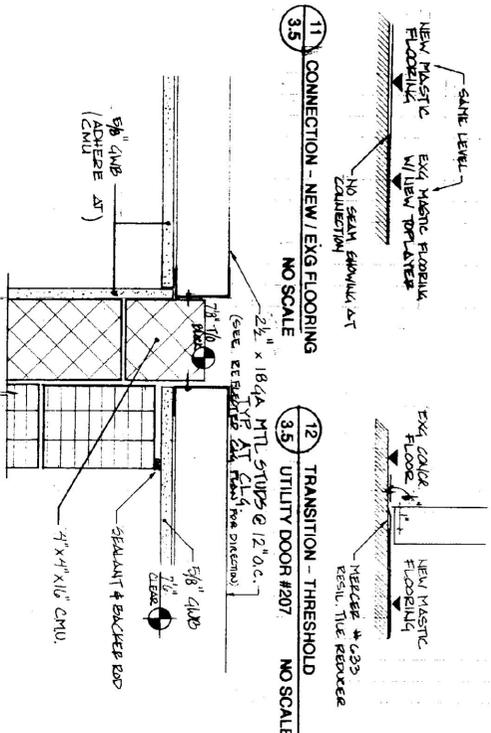
07 CONNECTION - STOREFRONT & EXISTING STONE WALL
3'-1'-0"



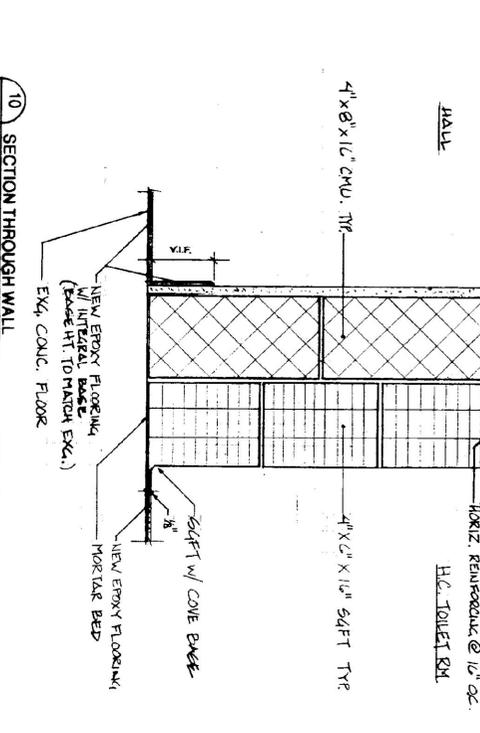
08 CONNECTION - WOMENS RESTRM / UTIL. RM / UNISEX RESTRM
1 1/2'-1'-0"



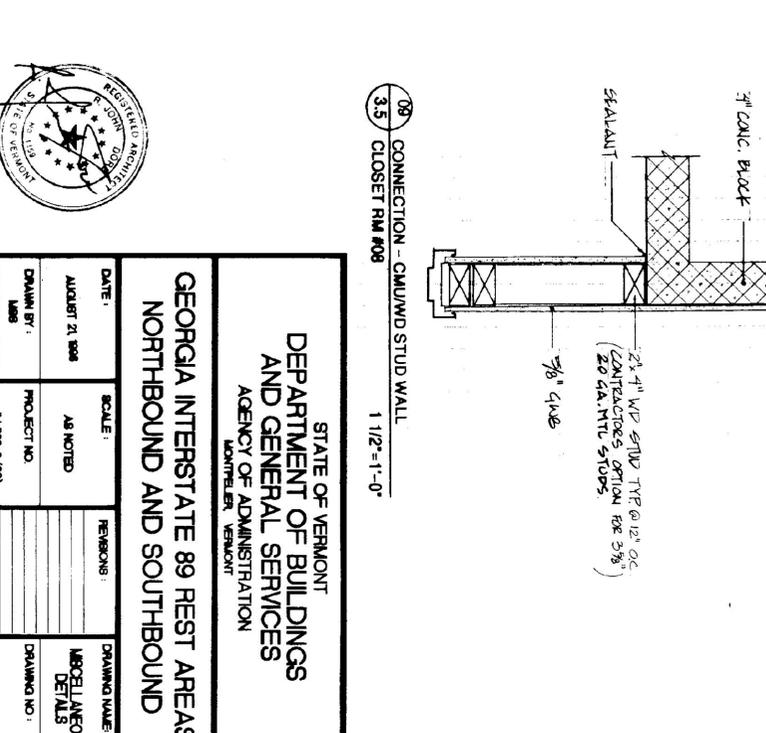
09 CONNECTION - CML/WD STUD WALL
1 1/2'-1'-0"



10 SECTION THROUGH WALL
3'-1'-0"



11 CONNECTION - NEW / EXG FLOORING
NO SCALE

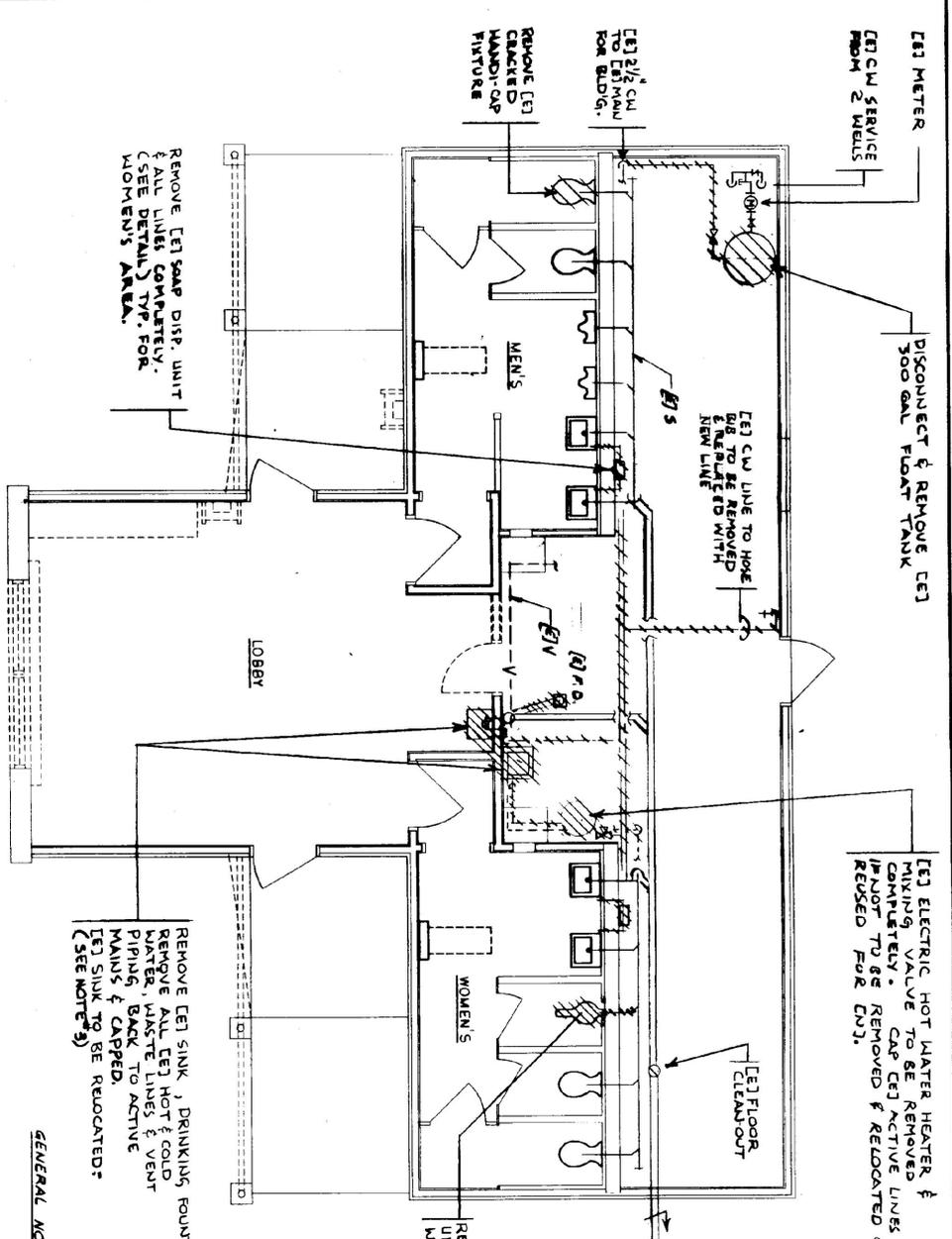


12 TRANSITION - THRESHOLD
NO SCALE

AS BUILT
DATE: 7/24/99



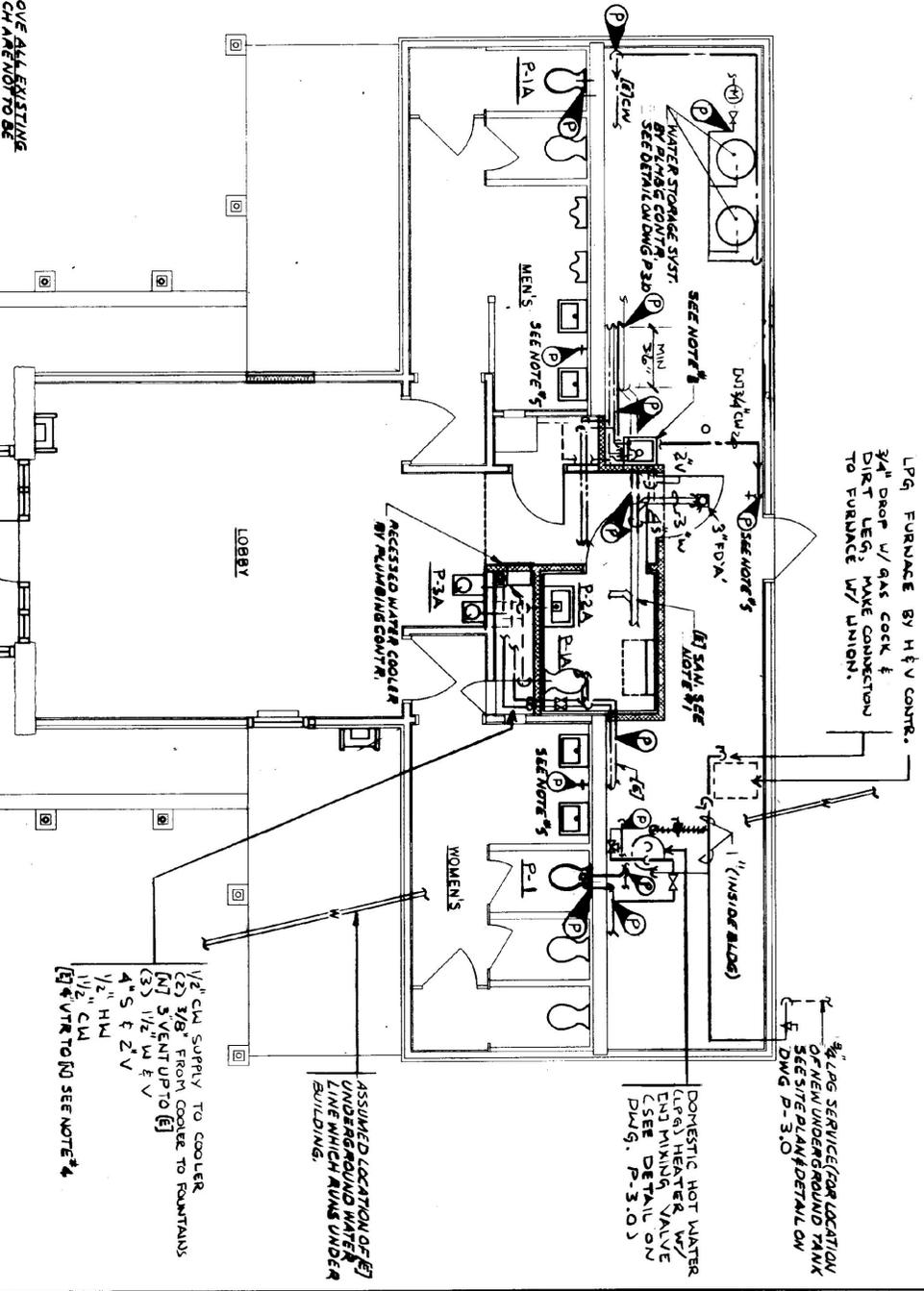
STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTELEONE VERMONT	
GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND	
DATE:	AUGUST 21, 1998
SCALE:	AS NOTED
DRAWN BY:	MS
CHECKED BY:	JSA
PROJECT NO.:	14-088-3 (30)
DRAWING NO.:	A-35



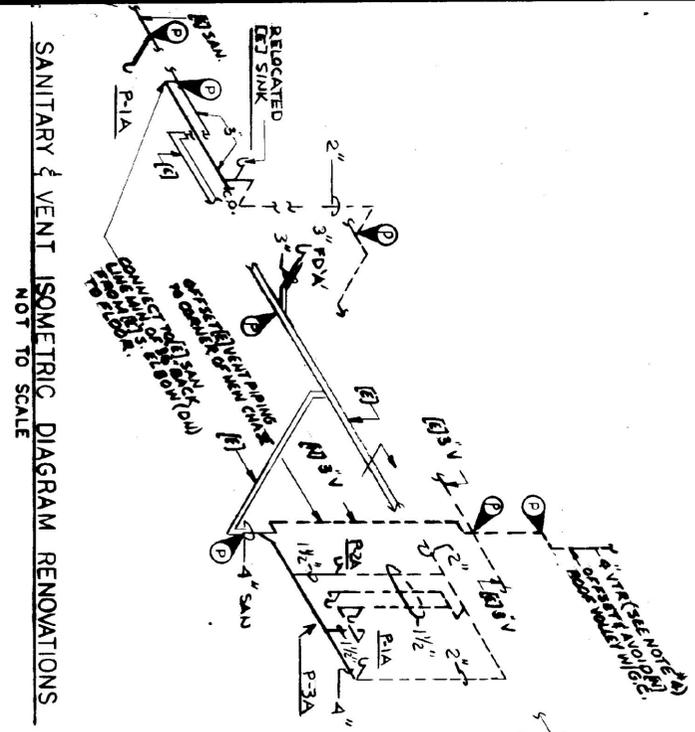
PLUMBING-EXISTING FLOOR PLAN-DEMOLITION
SCALE: 1/4"=1'-0"

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.

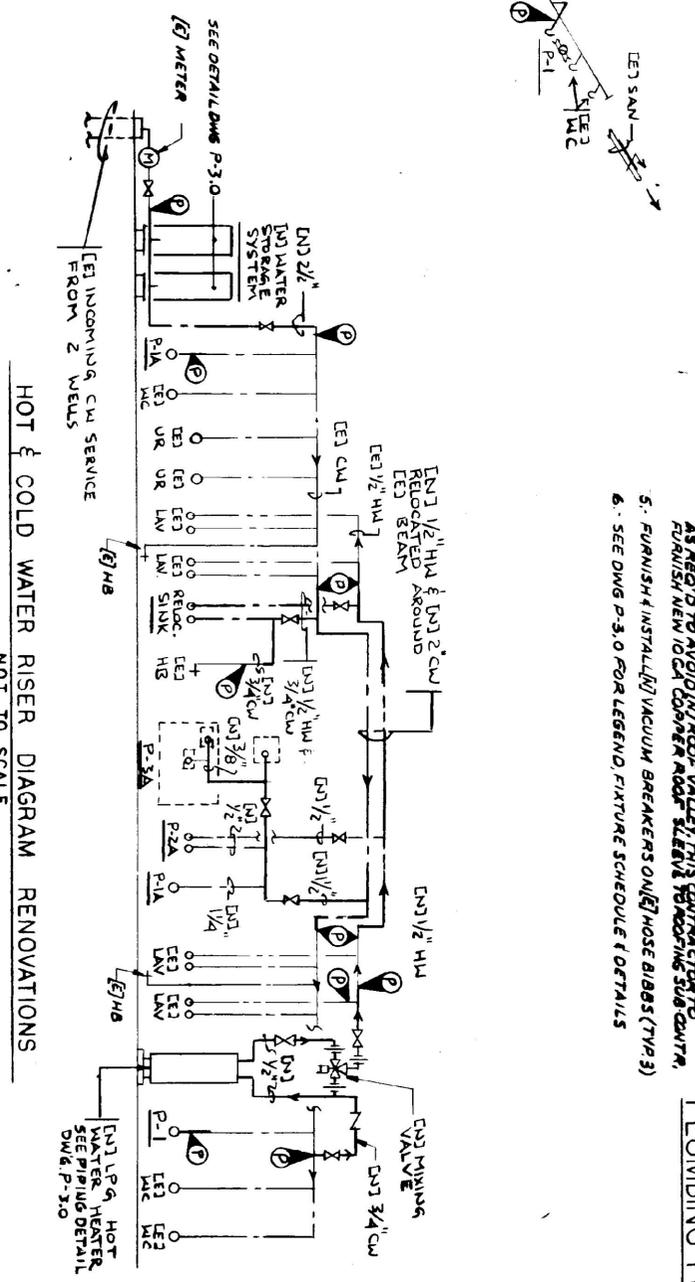
- NOTES:
1. THE UNDERGROUND SANITARY SYSTEM PIPING IS ASSUMED TO BE AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ITS EXISTENCE AND LOCATION PRIOR TO THE GENERAL CONTRACTOR BREAKING UP THE FLOOR.
 2. COORDINATE ALL WORK WITH EXISTING CONDITIONS & (R) WORK BY OTHER TRADES.
 3. RELOCATE (R) SINK W/ ALL (R) HOT & COLD WATER PIPING W/ EXPOSURE. REMOVE ALL (R) SINKS & PIPING. REMOVE (R) SINKS & PIPING. REMOVE (R) SINKS & PIPING. REMOVE (R) SINKS & PIPING.
 4. EXTEND (R) & VENT UP THRU NEW ROOF STRUCTURE OFF SET AS SHOWN TO AVOID ROOF VALVE. THIS CONTRACTOR TO FURNISH NEW TO A CORNER ROOF SLEAVE TO EXISTING SUB-CENTR.
 5. FURNISH & INSTALL (R) VACUUM BREAKERS ON (R) HOSE BIBBS (TYP 3).
 6. SEE DWG P-3.0 FOR LEGEND, FIXTURE SCHEDULE & DETAILS.



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



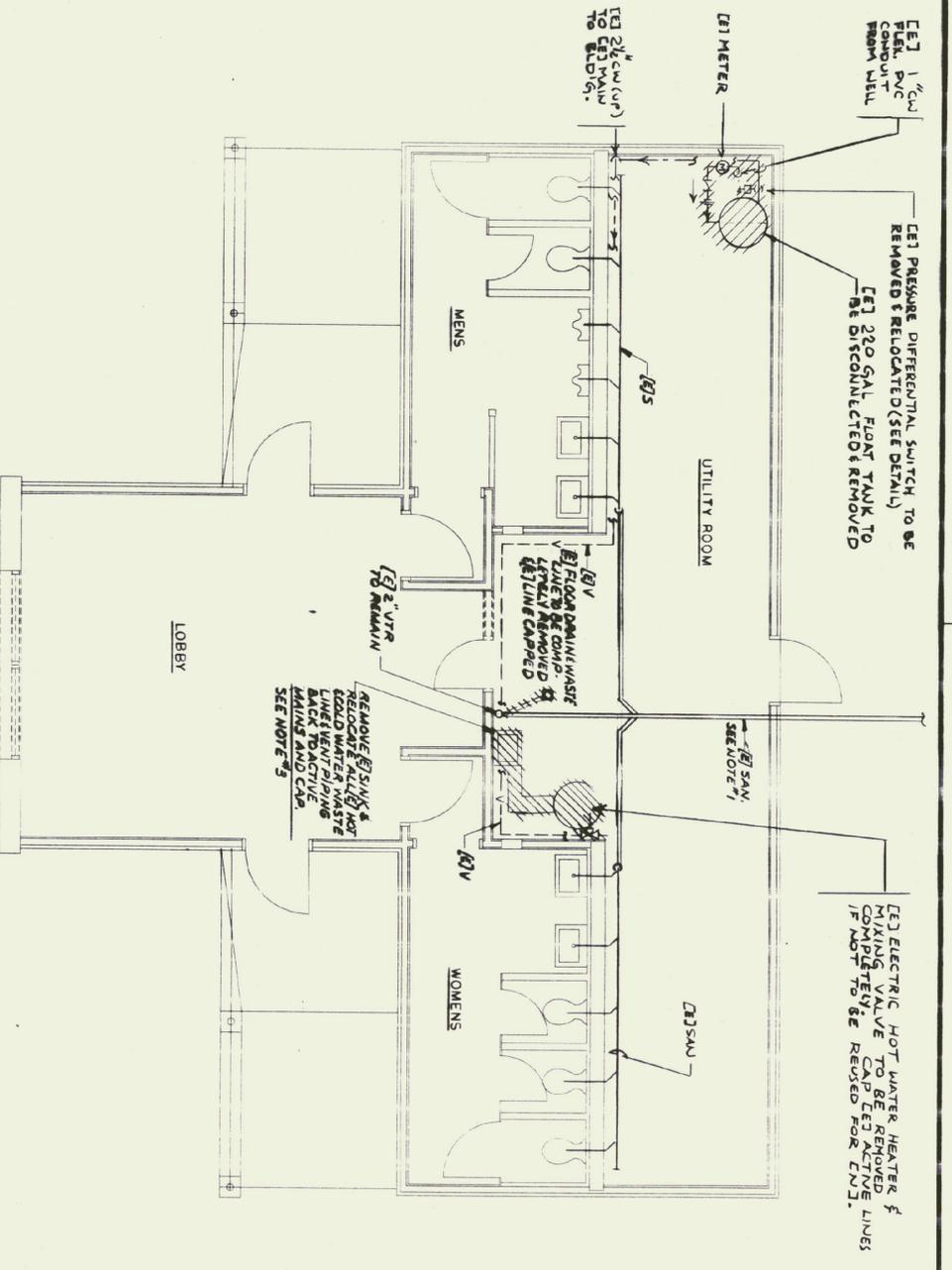
SANITARY & VENT ISOMETRIC DIAGRAM RENOVATIONS
NOT TO SCALE



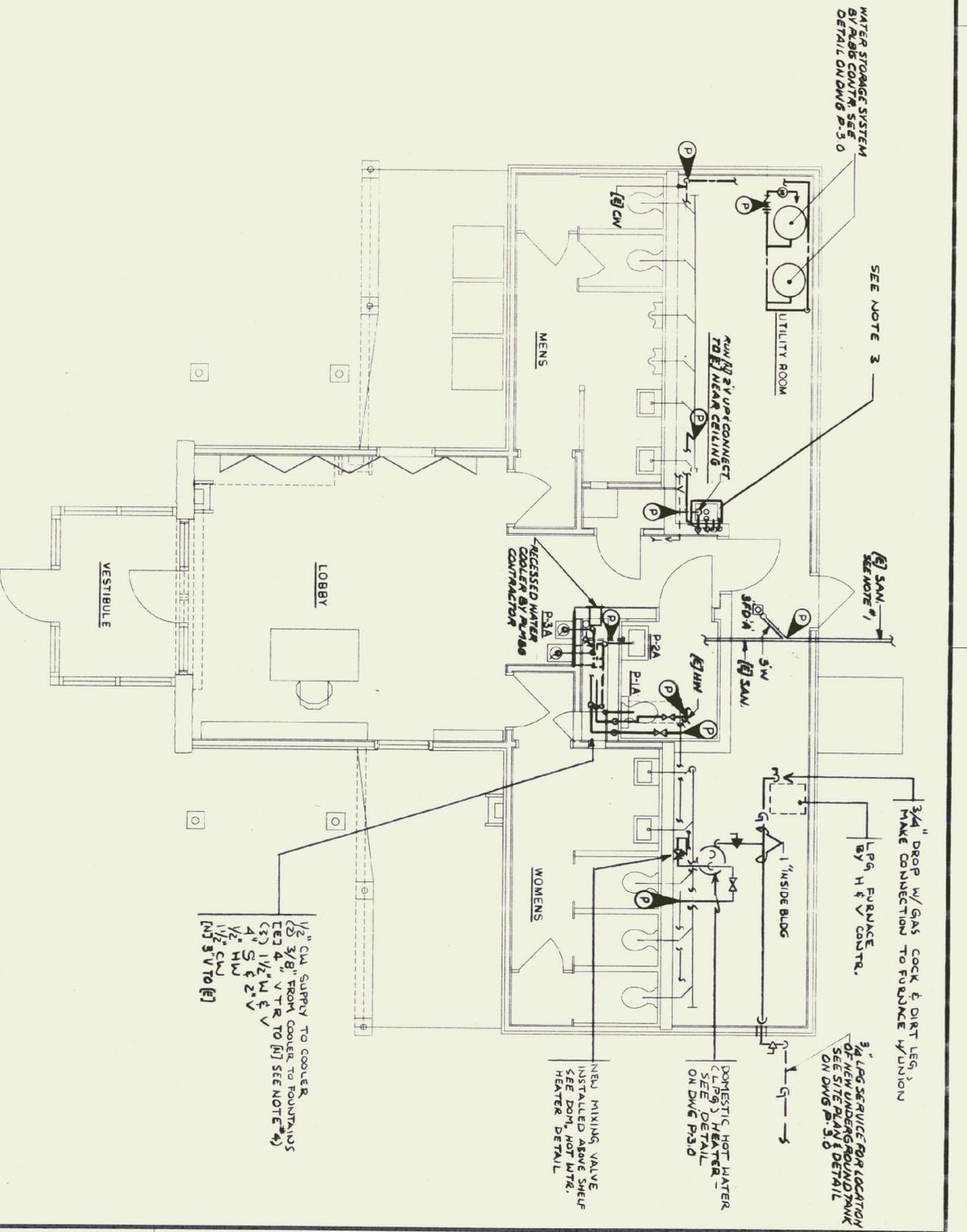
HOT & COLD WATER RISER DIAGRAM RENOVATIONS
NOT TO SCALE



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"
DRAWN BY: D.G.	PROJECT NO: 97-98
CHECKED BY: M.F.L.	DRAWING NO: P-10
DRAWING NAME: PLUMBING PLANS	

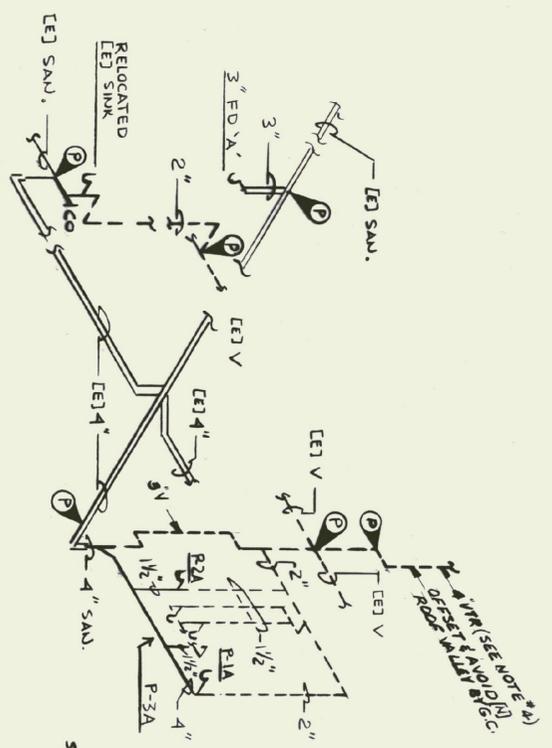


DEMOLITION - PLUMBING-EXISTING FLOOR PLAN
SCALE: 1/4"=1'-0"

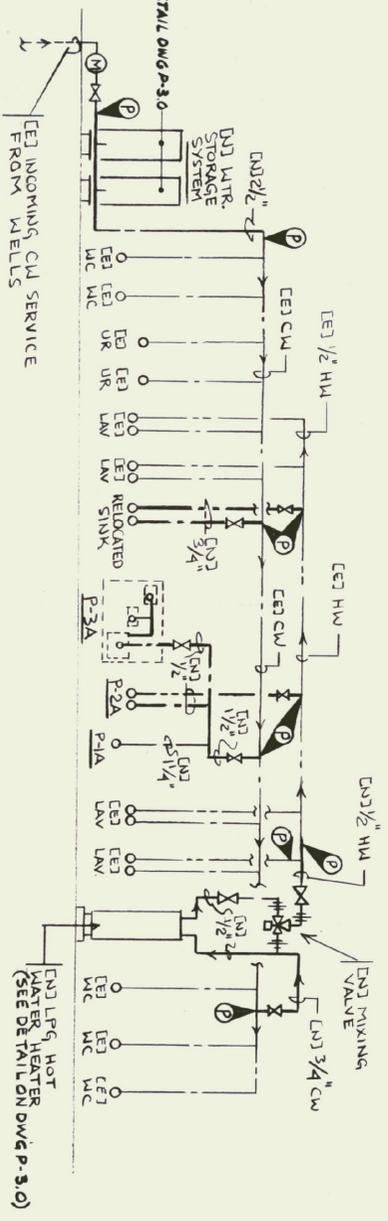


RENOVATION - PLUMBING-FLOOR PLAN
SCALE: 1/4"=1'-0"

- NOTES:**
1. THE UNDERFLOOR SANITARY SYSTEM PIPING IS ASSUMED TO BE APPROX. CORRECT HOWEVER THE PLUMBING SUB CONTRACTOR SHALL CHECK REPAIR, W/ S. EXACT LOCATION PRIOR TO THE GENERAL CONTRACTOR BREAKING UP THE FLOOR.
 2. COORDINATE ALL WORK WITH EXISTING CONDITIONS & [N] WORK BY OTHER TRADES.
 3. RELOCATE E1 SINK, W/ ALL ENJ HOT & COLD WATER PIPING W/ SHUT-OFFS, VENT, WASTE W/ TRAP SUPPORT SYSTEMS. (PIPING SIZED TO E1) FINISH & INSTALL ENJ SUPPORT ANCHORS, BOLTS & NUTS AS REQUIRED. CONVERT PIPING SYSTEMS TO NEAREST ACTIVE LINES (SYSTEMS) IN AREA.
 4. EXTEND [N] VENT UP THRU NEW ROOF STRUCTURE & OFFSET 45 DEG. TO AVOID [N] ROOF VALLERY TRUS COUPLER. SET 1/2" NEW [O] GA. COPPER ROOF SLEEVE TO ROOFING SUB CONTRACTOR.
 5. SEE DWG P-3-0 FOR LEGEND, FIXTURE SCHEDULE & DETAILS.



SANITARY & VENT ISOMETRIC DIAGRAM RENOVATIONS
NOT TO SCALE



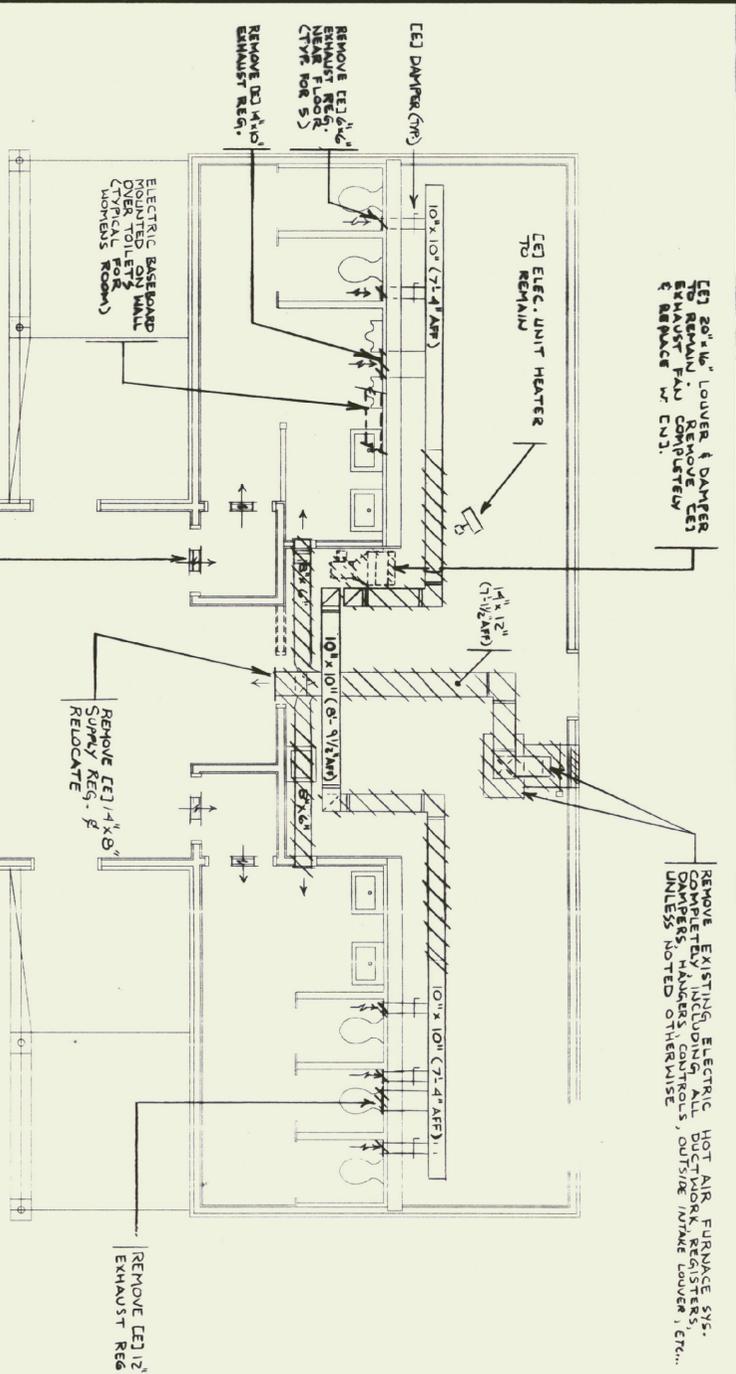
HOT & COLD WATER RISER DIAGRAM RENOVATIONS
NOT TO SCALE

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

RECORD DRAWING

DATE: 8-21-98
SCALE: 1/4"=1'-0"
DRAWN BY: D6
APPROVED BY:
DRAWING NAME: P-2.0
DRAWING NO.:
SHEET



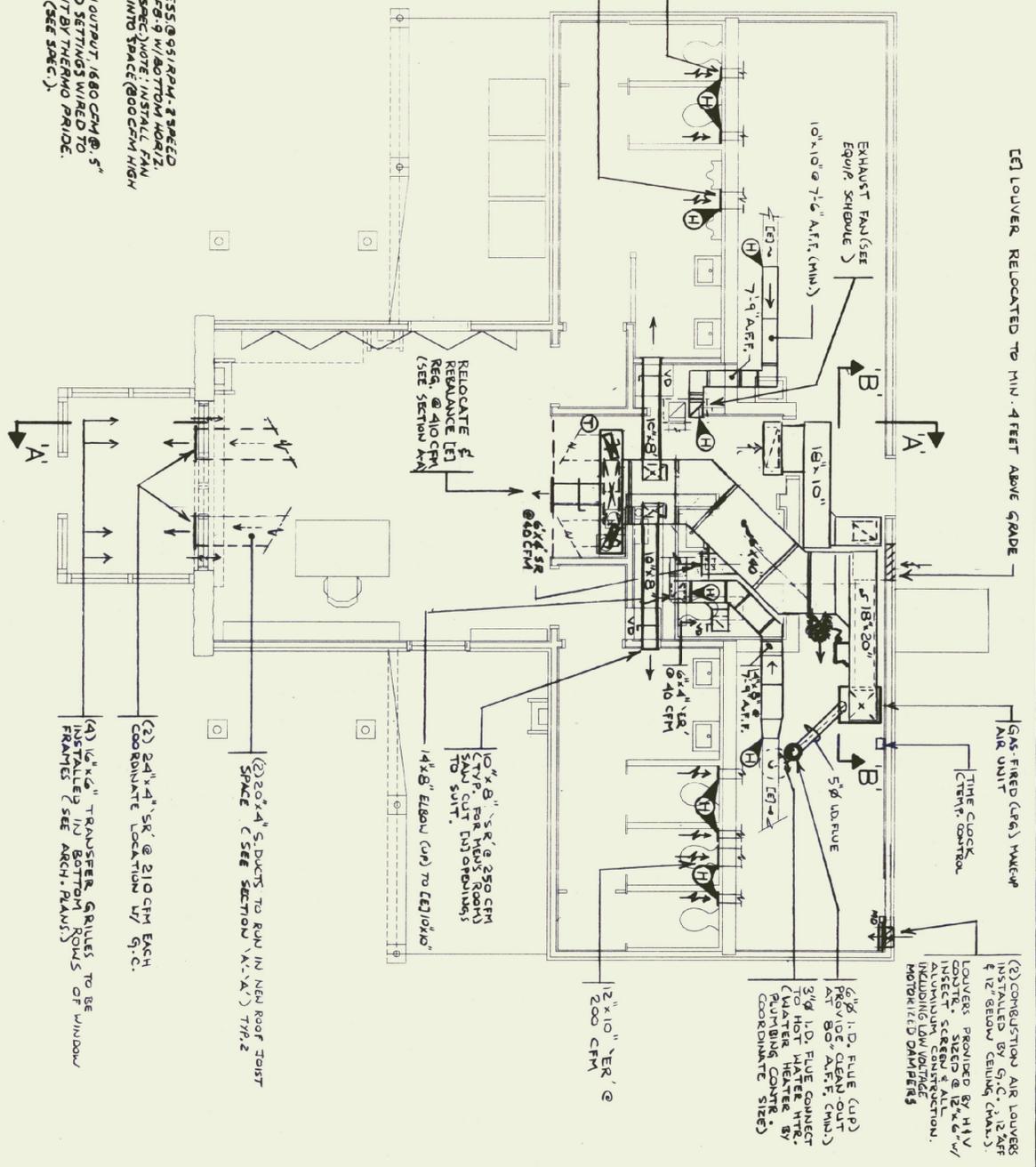
**H & V
DEMOLITION
EXISTING FLOOR PLAN**
SCALE: VA" = 1'-0"

EQUIPMENT SCHEDULE: FURNISH & INSTALL THE FOLLOWING

EXHAUST FAN #1 - UTILITY TYPE; SPLIT DRIVEN RATED @ 800 CFM @ 3" STATIC PRESS @ 95/120/145 SPEED W/ 3/4 HP 120V/1/20V/1/20V MOTOR FAN BY GREENHECK (SEE SPEC NOTE: INSTALL FAN DISCHARGE IN TIEBACK TO RUN ON OCCASION OF LOW FLOW (SEE SPEC NOTE: INSTALL FAN PRIOR TO INSTALLING THE SPEED) FOR FITTING INTO SPACE @ 800 CFM HIGH SPEED) (SEE SECTION A'-A' & B'-B')

GAS FIRED MAKE - GAS FIRED FURNACE RATED @ 125 MBH LG INPUT 100 MBH OUTPUT 1680 CFM @ 5" STATIC PRESS, 3/4 HP 120V/1/20V/1/20V MOTOR W/ 4 MIN. SPEED SETTINGS WIRED TO MH SETTING, FURNISH W/ VENT, DAMPER & FILTER, UNIT BY THERMO PRIDE. HIGHWAY SECTIONAL GAS FURNACE MODEL NO. 1M4-125 (SEE SPEC.)

RENOVATION-H & V FLOOR PLAN
SCALE: 1/4" = 1'-0"



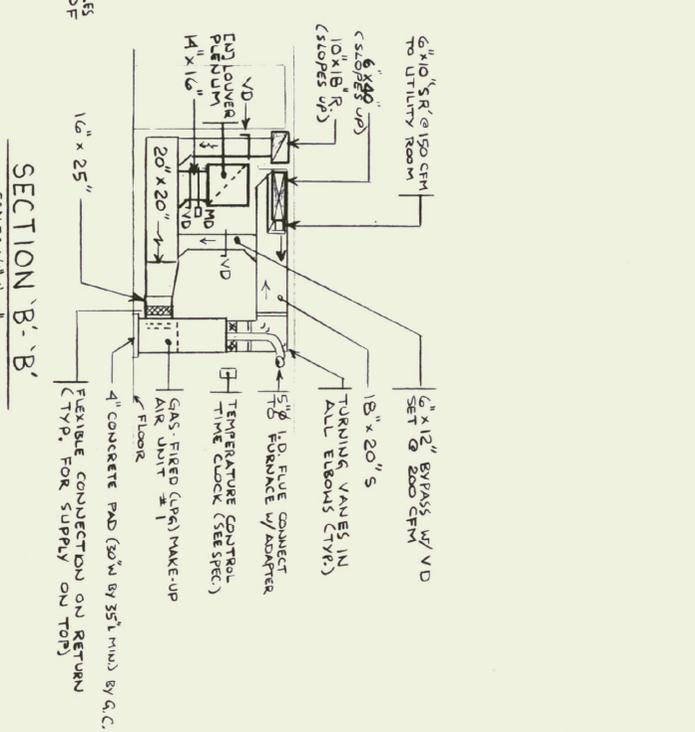
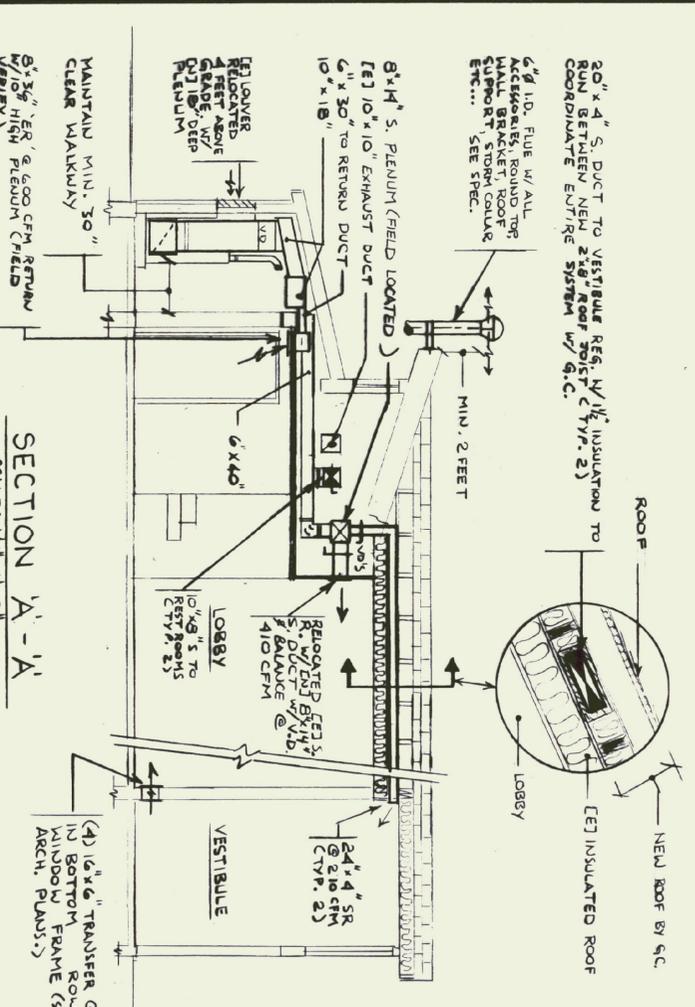
H & V LEGEND	
N	NEW
E	EXISTING
XXXXXX	EXISTING TO BE REMOVED
—H—	TRANSFER GRILL
—P—	POINT OF CONNECTION
—S—	AIR SUPPLY
—E—	AIR EXHAUST
—VD—	VOLUME DAMPER
—MD—	MOTORIZED DAMPER
—AFF—	ABOVE FINISH
—ER—	EXHAUST REGISTER
—SR—	SUPPLY DAMPER

RECORD DRAWING

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

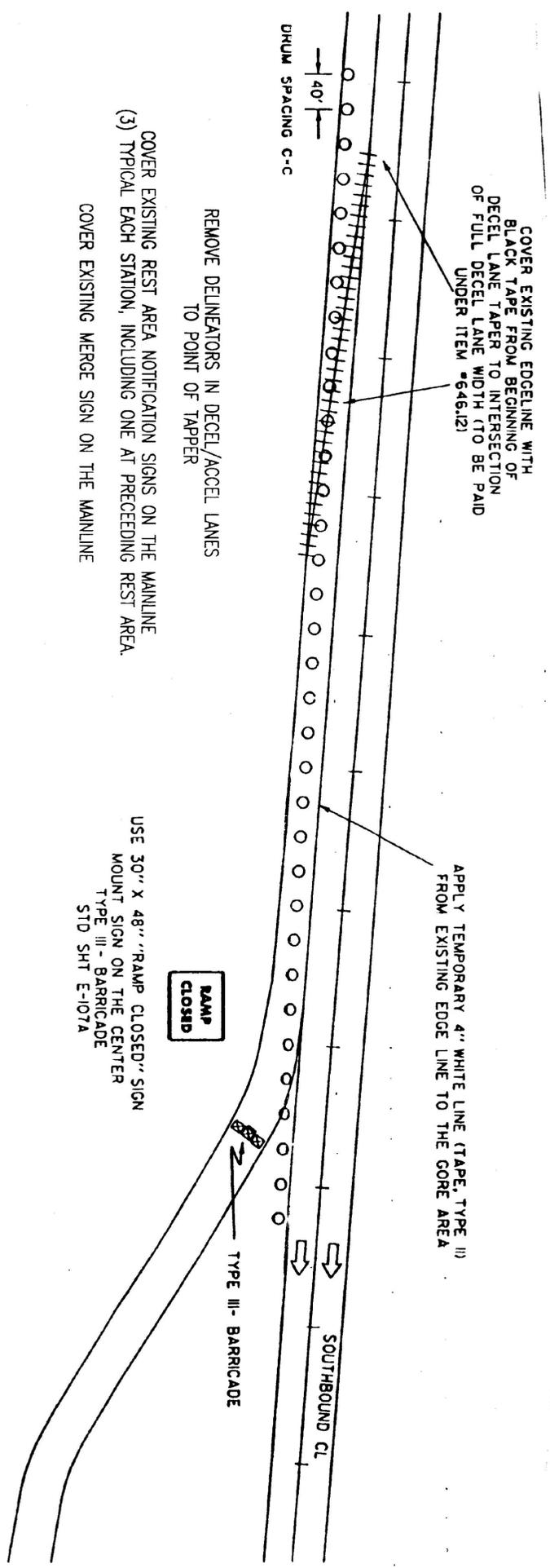
REST AREA REHABILITATION
GEORGIA - I-89 SOUTHBOUND
HEATING & VENTILATING - DEMOLITION
& RENOVATION FLOOR PLANS & DETAILS

DATE:	8-21-98	SCALE:	1/4" = 1'-0"	REVISIONS:		DRAWING NO.:	H-2.0
DRAWN BY:	KA DC	APPROVED BY:	NEL	DRAWING NAME:	HEATING & VENTILATING & RENOVATION FLOOR PLANS & DETAILS	SHEET:	OF



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

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

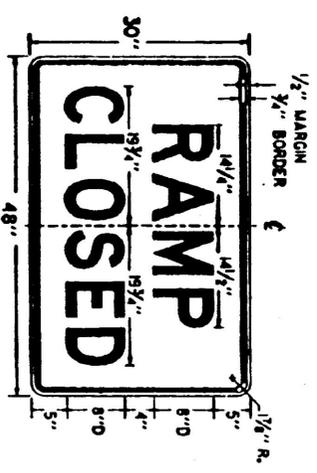


COVER EXISTING REST AREA NOTIFICATION SIGNS ON THE MAINLINE
(3) TYPICAL EACH STATION, INCLUDING ONE AT PRECEDING REST AREA.

REMOVE DELINEATORS IN DECEL/ACCEL LANES
TO POINT OF TAPPER

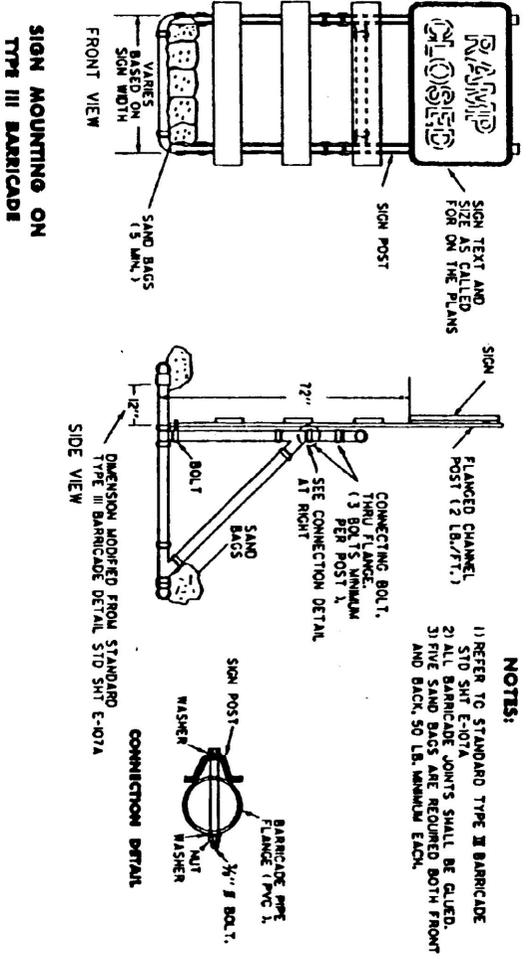
COVER EXISTING MERGE SIGN ON THE MAINLINE

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



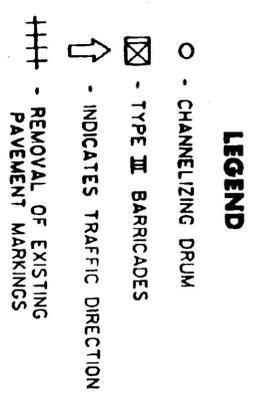
COLORS:
BLACK TEXT AND BORDER
WHITE REFLECTORIZED BACKGROUND

SEE STANDARD SHEET E-100 FOR NOTES AND TEXT DETAILS
SIGN DETAILS INDICATE THE APPROPRIATE COLOR.



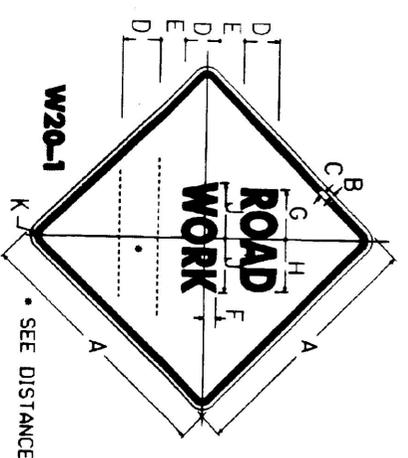
NOTES:

- REFER TO STANDARD TYPE III BARRICADE STD SHIT E-107A
- ALL BARRICADE JOINTS SHALL BE GLED.
- FIVE SAND BAGS ARE REQUIRED BOTH FRONT AND BACK, 50 LB. MINIMUM EACH.



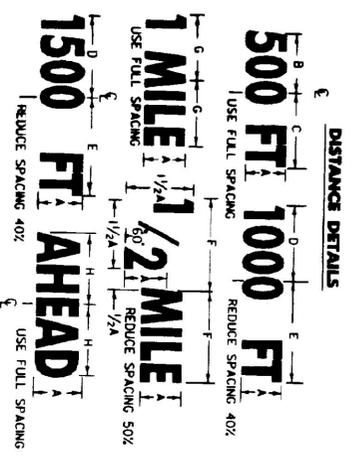
STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTPELIER, VERMONT			
GEORGIA INTERSTATE 89 REST AREAS NORTHBOUND AND SOUTHBOUND			
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	NTS		TEMPORARY RAMP CLOSURE
DRAWN BY:	PROJECT NO.		DRAWING NO.:
	MA 089-3 (30)		TRC-1
CHECKED BY:			

NTS

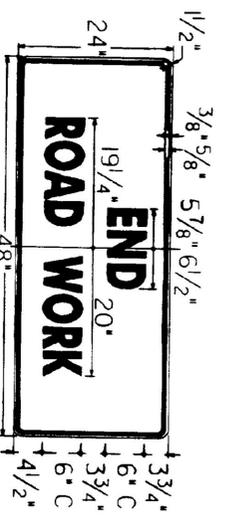


SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	J	K	L
MIN.	36	36	40	2 1/2	2 1/2	6 1/4	7	7 1/2	1 1/2	1 1/2	3 1/2
STD.	36	36	40	2 1/2	2 1/2	6 1/4	7	7 1/2	1 1/2	1 1/2	3 1/2
SPECIAL	48	36	1 1/2	70	4 1/2	11 1/2	12 1/2	12 1/2	3		

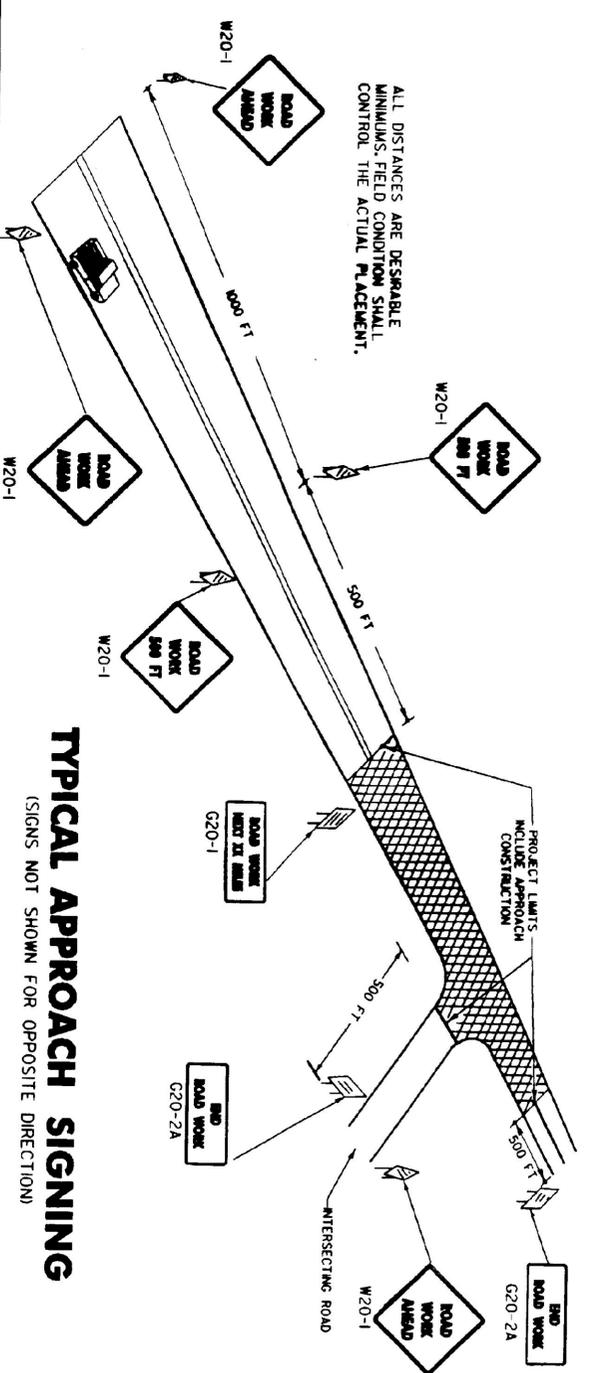
* SEE DISTANCE DETAILS



SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	I	J	K
40	8 1/2	8 1/2	8 1/2	9	9	7 1/2	8 1/2				
50	10 1/2	10 1/2	10 1/2	11 1/4	11 1/4	9 1/2	10 1/2				
70	14 1/2	14 1/2	14 1/2	15 1/2	15 1/2	13 1/2	14 1/2				



G20-2A



TYPICAL APPROACH SIGNING
(SIGNS NOT SHOWN FOR OPPOSITE DIRECTION)

REVISIONS AND CORRECTIONS

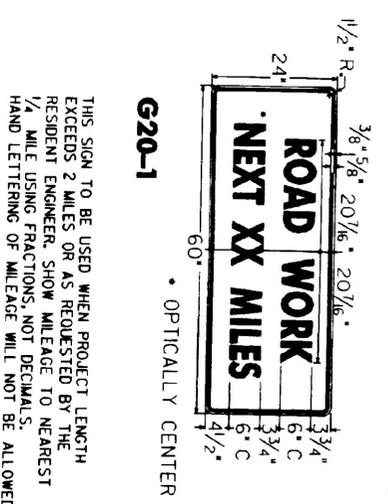
- MAY 26, 1989 - DATE OF ORIGINAL ISSUE
- OCT 21, 1992 - REVISED WOOD POST REQUIREMENTS, ADDED SIGN DETAILS, & REVISED TITLE BLOCK
- AUG 08, 1995 - MINOR NOTE REVISIONS
- JAN 06, 1997 - MINOR NOTE AND DIMENSION REVISIONS

APPROVED

[Signature]
DIRECTOR OF ENGINEERING

[Signature]
DIRECTOR OF CONSTRUCTION AND MAINTENANCE

CONSTRUCTION APPROACH SIGNS



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.

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 ARE REQUIRED FOR THIS PROJECT, THE PLANS AND/OR THE SPECIFICATIONS FOR THAT PROJECT SHALL BE REFERRED TO. 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 BE ENCOUNTERED IN 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 FOR BARRICADES WITH ADVANCED WARNING AND ON-PROJECT CONSTRUCTION SIGNS AND 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 TO BE FOLLOWED AND UPON THE ALIGNMENT INTENDED TO INDICATE THE SCENE DETERMINING THE EXACT LOCATIONS.

DETAILS
LETTERS, DIGITS, ARROWS, SPACING AND TEXT DIMENSIONS SHALL CONFORM WITH THE STANDARD HIGHWAY SIGNS AS LISTED 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:
1. 1/2" ALUMINUM
2. 1/2" GALVANIZED SHEET STEEL
3. 0.125 INCHES
4. 5/8 INCHES
5. 1/2 GAGE

INSTALLATION
ALL REFLECTORIZED MATERIAL SHALL CONSIST OF TYPE 11B OR TYPE 111 SHEETING.

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

MAINTENANCE
THE SIGNS SHALL BE ERECTED BEFORE THE START OF ANY WORK AND SHALL BE COVERED UNTIL THE END OF THE PERIODS OF INACTIVITY, OR UPON COMPLETION OF THE WORK. SIGNS MAY BE REMOVED AT THE DISCRETION OF THE ENGINEER. THE BOTTOM OF A SIGN SHALL BE SECURED TO THE GROUND BY THE ENGINEER. THE SIGN SHALL BE SET AT AN ANGLE OF 15 DEGREES TO THE EDGE OF PAVEMENT, AND THE NEAREST EDGE OF A SIGN SHALL BE AT LEAST 6 FEET OUTSIDE THE GUARD RAIL, OR 2 FEET OUTSIDE CURBING, OR SIDE WALK. THE INSTALLATION OF THE SIGN 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. SIGNS THAT ARE NOT LEGIBLE TO APPROACHING TRAFFIC AT ALL TIMES, SHALL BE KEPT PLOTTED OR REPAIRED. SIGNS THAT ARE DAMAGED OR REPAIRED AS ORDERED BY THE ENGINEER.

INSTALLATION
THE COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING ALL CONSTRUCTION SIGNS SHALL BE CONSIDERED SEPARATE WORK PERTAINING TO THE PROJECT AS A WHOLE AND SHALL BE INCLUDED IN THE CONTRACT BIDDING FOR VARIOUS ITEMS INVOLVED IN THE CONTRACT. DURING A PHASE OF CONSTRUCTION, THE DIMENSIONS SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 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 MADE OF 1/2" HARDBOARD OR ANY MATERIAL SATISFACTORY TO THE ENGINEER. NO WATER OR MOISTURE SHALL PERMEATE TO THE SIGN. THE PANEL SHALL BE REMOVED FROM 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 ERECTED ON WOODEN POSTS IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

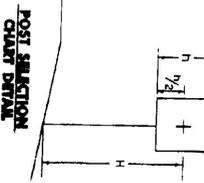
WOODEN POSTS ARE ACCEPTABLE FOR USE WITH CONSTRUCTION SIGNS. THESE POSTS SHALL HAVE A LARGER CROSS-SECTION AND SHALL BE MADE FROM SEASONED, KNOT-FREE, SOUTHWEST YELLOW PINE OR EXCELLENCE FIBER BENDING "D" DESIGN VALUE NOT TO EXCEED 90 PSI SPECIFIED MOD PUL AND THE MINIMUM DESIGN VALUE NOT TO EXCEED 90 PSI DATED 1986.

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

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

APPROPRIATE SIGN CENTERLINE
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 OR A SINGLE POST IS EXCEEDED (SEE THE POST SELECTION CHART BELOW).

SIGN AREA (FT ²) X HEIGHT (FT)	WOOD POST SELECTION CHART	
	SV	DESIGN CRITERIA
4' x 4'	64	WIND SPEED = 60 MPH (10-YEAR)
4' x 6'	147	MEAN OCCURRENCE INTERVAL
6' x 6'	265	WIND PRESSURE = 13 psf
6' x 8'	389	ALLOWABLE BENDING STRESS

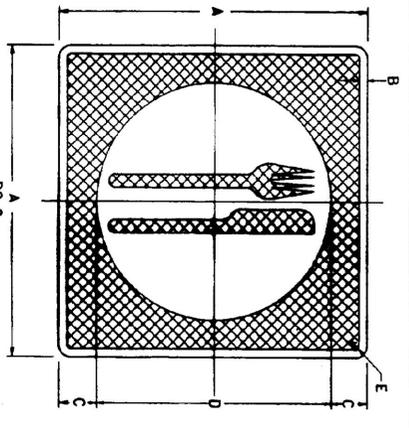


OTHER STDS. REQUIRED:

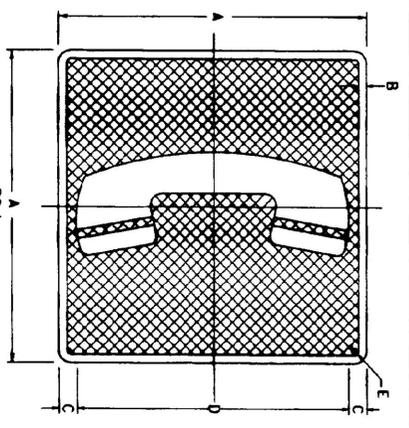
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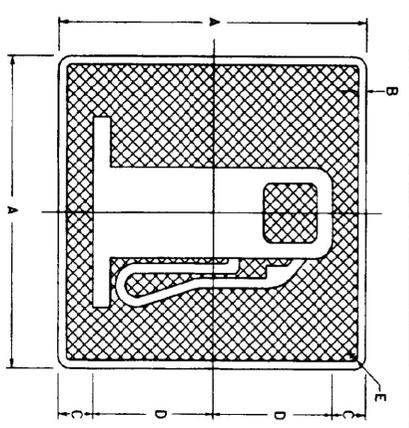
STANDARD E-100



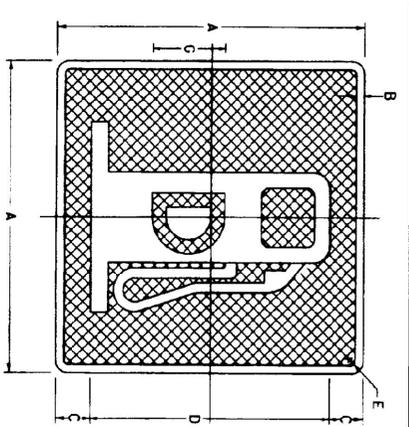
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1/2



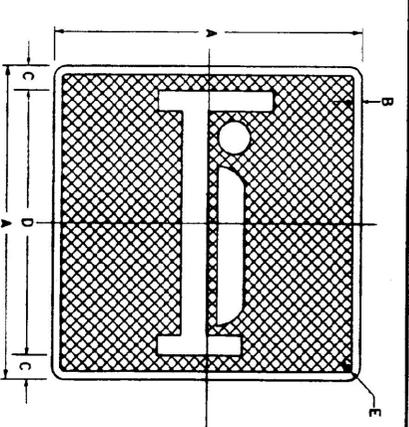
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1/2



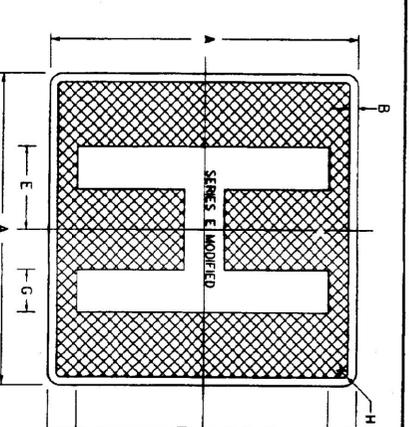
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	3	6	1/2
STD	24	1/2	3	9	1/2
SPECIAL	30	3/4	3 3/4	11 1/4	1/2



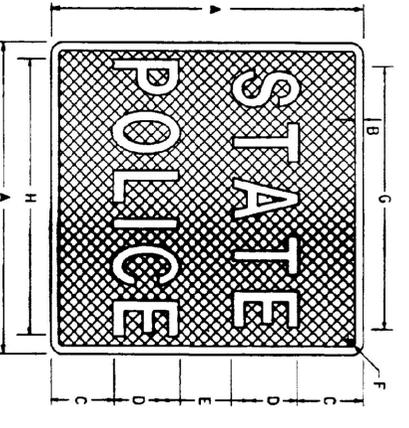
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	15	1/2	4E(M)
STD	24	1/2	20	1/2	6E(M)
SPECIAL	30	3/4	2 1/2	25	1/2



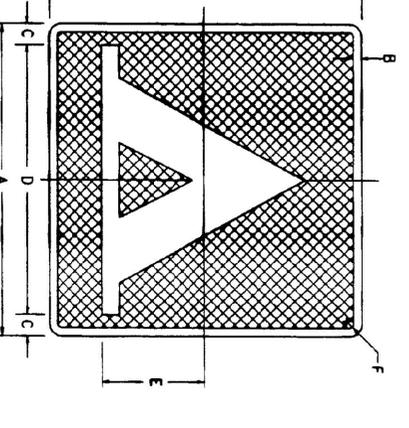
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1/2



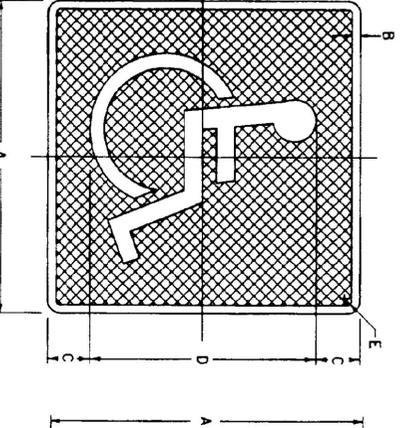
SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	G	H	
MIN	18	1/2	1/2	15	1/2			
STD	24	1/2	2	20	1/2	6 3/4	3 1/2	
SPECIAL	30	3/4	2 1/2	25	1/2	8	4	



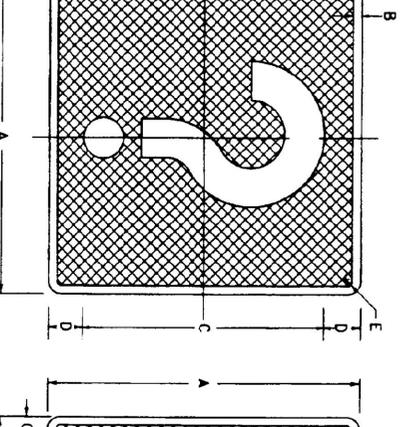
SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	H
MIN AND STD	24	1/2	5	5C	4	1/2	14 3/4	18
SPECIAL	30	1/2	6	6C	6	1/2	18 1/2	22 3/4



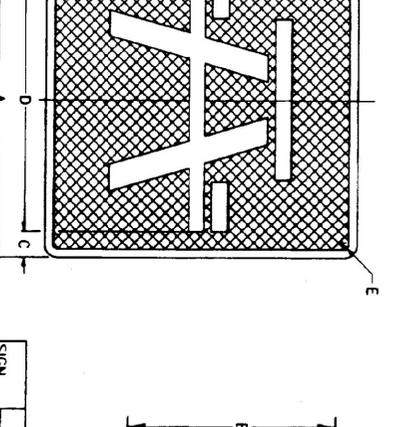
SIGN	DIMENSIONS (INCHES)					
	A	B	C	D	E	F
MIN	18	1/2	1/2	15	6	1/2
STD	24	1/2	2	20	8	1/2
SPECIAL	30	3/4	2 1/2	25	10	1/2



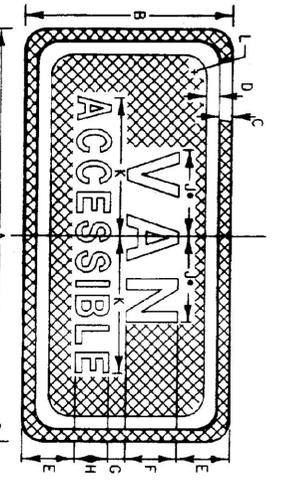
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1/2



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



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



SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	I	J	K
STD	12	6	3/4	3/4	1/2	1/20	1/2	10	2 1/4	4	1/2
SPECIAL	18	9	3/4	3/4	1/2	2 1/4	20	1 1/20	2 3/4	7	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.

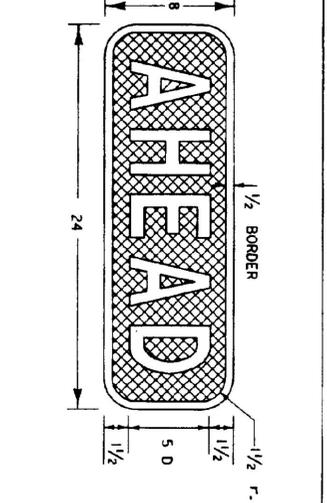
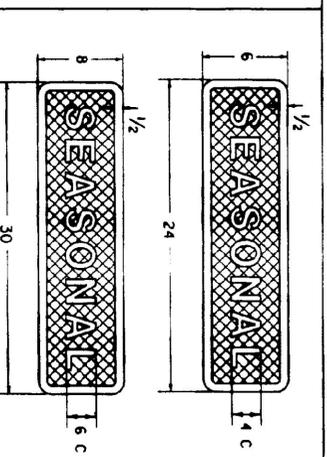
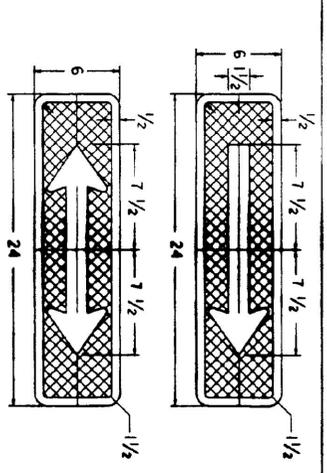
A - FLAT SHEET ALUMINUM - 0.060
B - HIGH DENSITY OVERLAP PLYWOOD - 1/2"
C - GALVANIZED FLAT SHEET STEEL - 16 GA.

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 FOR STANDARD HIGHWAY SIGNS AS SPECIFIED IN THE MANUAL ON EACH SIGN. LETTER-NUMERAL DESIGNATION IN MANUAL.

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



APPROVED

Edward J. ...
DIRECTOR OF ENGINEERING

Diana ...
TRAFFIC AND SAFETY ENGINEER

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 AND EXECUTION
FINAL FINAL APPROVAL REQUIRED.

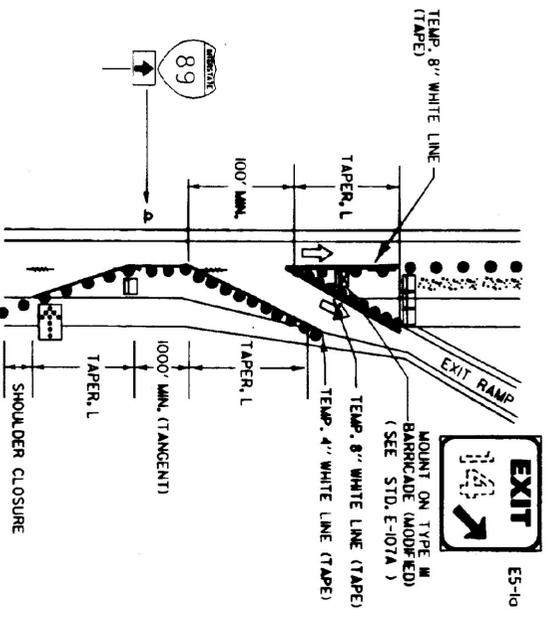
GENERAL MOTORIST SERVICES SIGN DETAILS

STANDARD

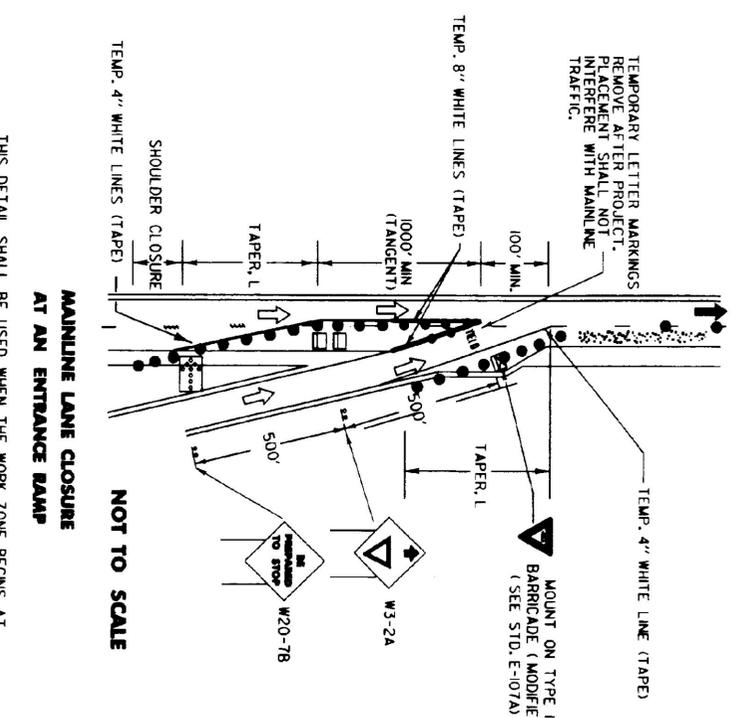
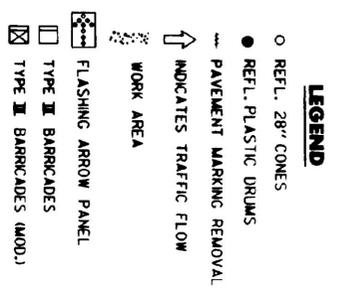
E-132



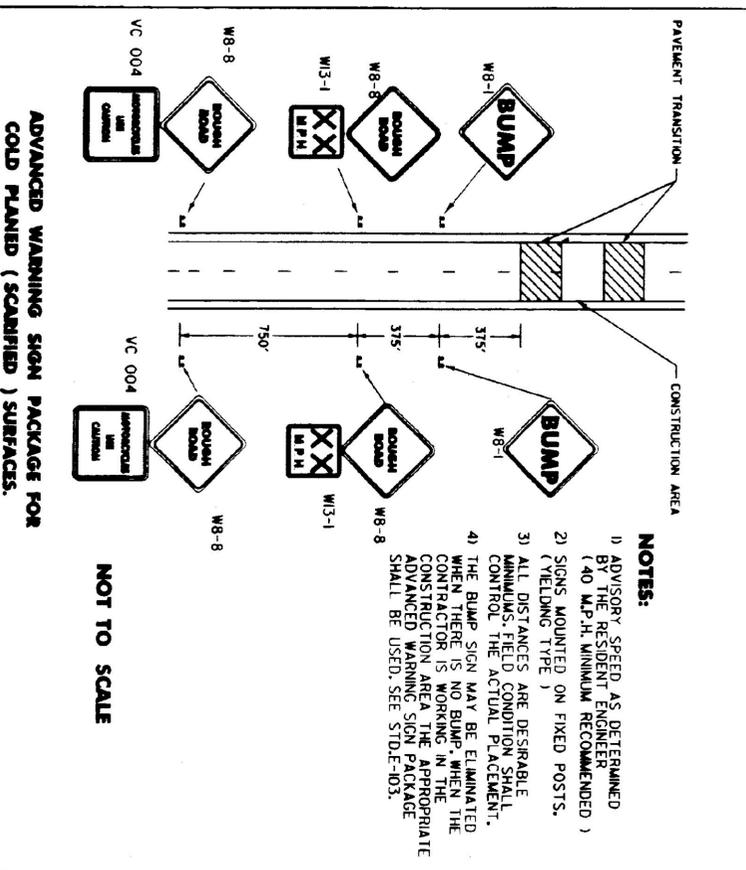
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- NOTES:**
- 1) ALL SIGNS SHALL BE MOUNTED ON FIXED POSTS (YIELDING TYPE) UNLESS OTHERWISE NOTED.
 - 2) CHANNELIZING DEVICES SHALL BE PLACED AS FOLLOWS:
 - a) DEVICES SHALL BE SPACED AT A MAXIMUM OF "5" (THE SPEED LIMIT IN FEET) APART.
 - b) DEVICES SHALL BE SPACED 2 X "5" (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 MAINLINE 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 SIGNS SHALL BE MOUNTED A MINIMUM OF 3' ABOVE THE GROUND AND HIGH ENOUGH TO BE SEEN ABOVE CHANNELIZING DEVICES.



THIS DETAIL SHALL BE USED WHEN THE WORK ZONE BEGINS 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 MPH MINIMUM RECOMMENDED) (YIELDING TYPE)
 - 2) SIGNS MOUNTED ON FIXED POSTS.
 - 3) ALL DISTANCES ARE DESIRABLE MINIMUMS. FIELD CONDITIONS SHALL CONTROL THE ACTUAL PLACEMENT.
 - 4) THE BUMP SIGN MAY BE ELIMINATED WHEN THERE IS NO BUMP. WHEN THE CONSTRUCTION IS WORKING IN APPROPRIATE AREAS, THE ADVANCED WARNING SIGN PACKAGE SHALL BE USED. SEE STD-E-103.

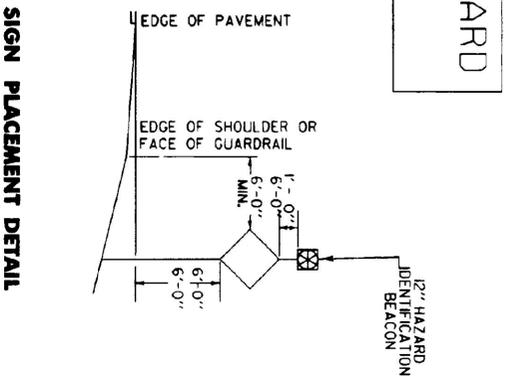
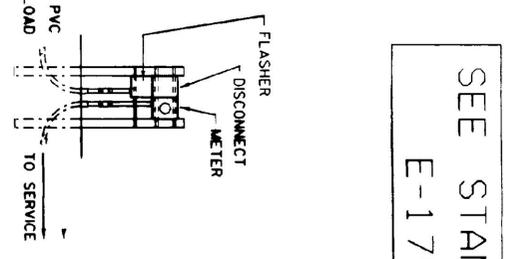
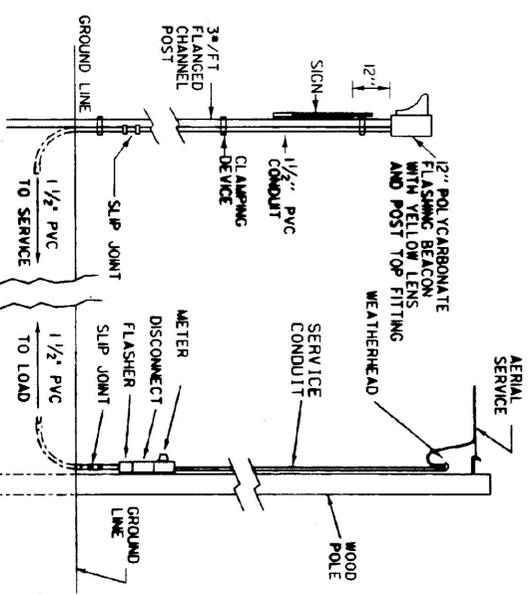
MAINTAINING LANE CLOSURE AT AN EXIT RAMP

NOT TO SCALE

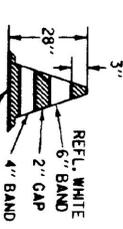
MAINTAINING LANE CLOSURE AT AN ENTRANCE RAMP

NOT TO SCALE

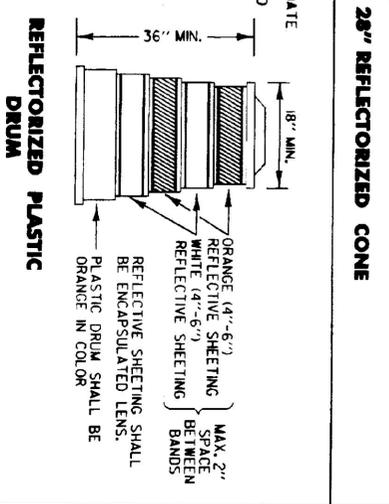
THIS DETAIL SHALL BE USED WHEN THE WORK ZONE BEGINS AT THE CORNER OR THE MAINLINE LANE CLOSURE DRUM PLACEMENT INTERFERES WITH THE EXIT RAMP.



- 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.



- 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 OVERTURNING, HOWEVER THE WEIGHTS SHALL NOT PRESENT A HAZARD IF THE CONE IS STRUCK.
 - 3) REFLECTIVE SHEETING SHALL BE ENCAPSULATED LENS.



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

Signature of Traffic and Safety Engineer
DIRECTOR OF ENGINEERING

Signature of Traffic and Safety Engineer
TRAFFIC AND SAFETY ENGINEER

**TRAFFIC CONTROL
MISCELLANEOUS DETAILS**

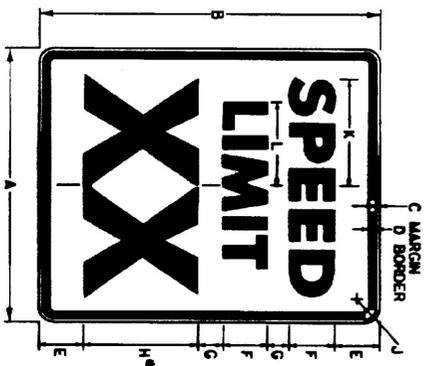
STANDARD

E-106

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

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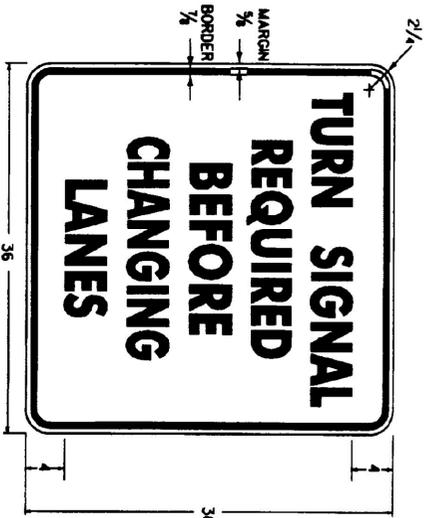
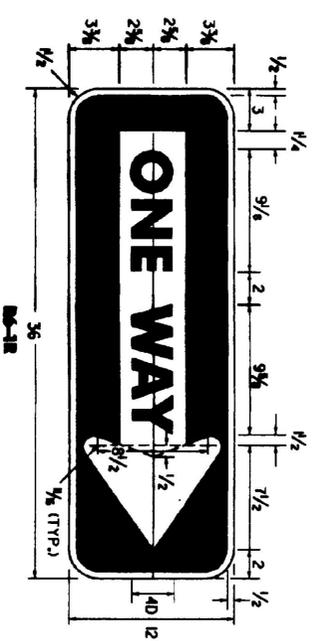


SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	
MIN.	18	24	3/8	3/8	3/8	3/8	2 1/2	4	1/2	1/2	7 1/2	5 1/2	
STD.	24	30	3/8	3/8	3/8	3/8	2 1/2	4	1/2	1/2	9 1/2	7 1/2	
EXPTV.	36	48	3/8	3/8	3/8	3/8	2 1/2	4	1/2	1/2	14 1/2	11	
FWY.	48	60	3/4	1/2	1/2	1/2	3	2 1/2	3	3/4	18 1/2	14 1/2	

* OPTICALLY SPACE NUMERALS ABOUT VERTICAL CENTERLINE.



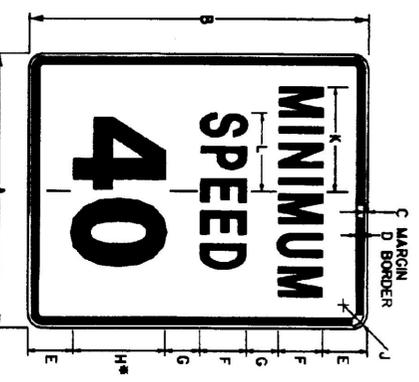
TO BE USED WITH "SPEED LIMIT 55" OR "65" FWY SIGN ONLY



TEXT 4" C. SPACING 2"

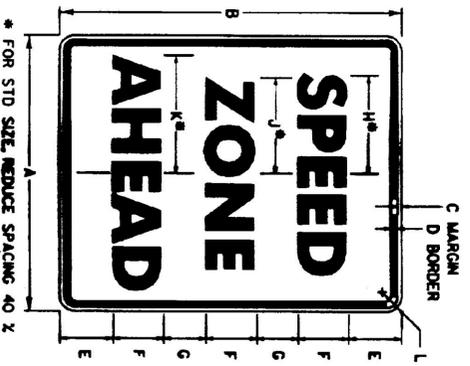


TEXT 2" C. SPACING 1/2" EXCEPT WHERE NOTED.

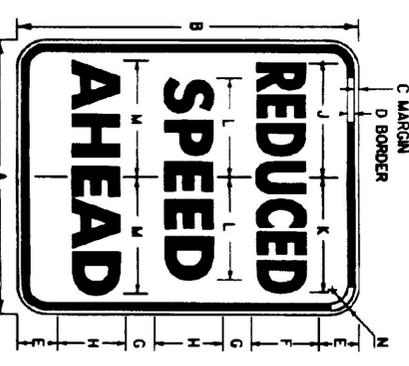


SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	
STD.	24	30	3/8	3/8	3/8	3/8	2 1/2	4	1/2	1/2	9 1/2	7 1/2	
EXPTV.	36	48	3/8	3/8	3/8	3/8	2 1/2	4	1/2	1/2	13 1/2	10 1/2	
FWY.	48	60	3/4	1/2	1/2	1/2	3	2 1/2	3	3/4	18 1/2	13 1/2	

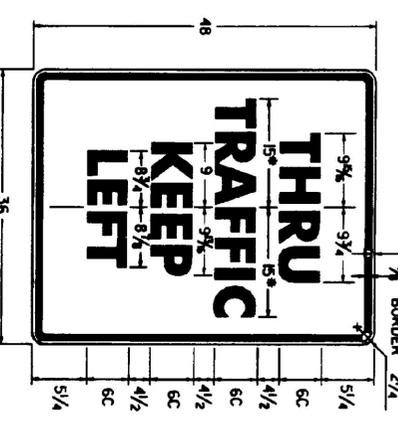
* OPTICALLY SPACE NUMERALS ABOUT VERTICAL CENTERLINE.



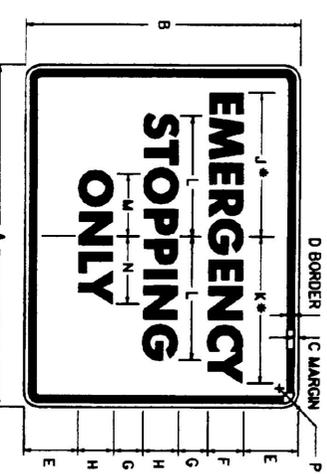
* FOR STD SIZE, REDUCE SPACING 40 %



* FOR STD SIZE, REDUCE SPACING 50 %



* REDUCE SPACING 25 %



* FOR FWY SIZE, REDUCE SPACING 50 %

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

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

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	
EXPTV.	30	24	3/8	3/8	3/8	3/8	4	4	1/2	1/2	6 1/2	7 1/2	
FWY.	48	36	3/8	3/8	3/8	3/8	5	6	1/2	1/2	10 1/2	10 1/2	

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.

FLAT SHEET ALUMINUM	18" X 24"	24" X 30"	36" X 12"
HIGH DENSITY OVERLAP PLYWOOD	1/2"	1/2"	3/8" X 36"
GALVANIZED FLAT SHEET STEEL	18 GAGE	16 GAGE	36" X 48"
			48" X 36"
			48" X 48"
			48" X 60"
			5/8"
			14 GAGE

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 STD.: NONE REQUIRED

REVISIONS AND CORRECTIONS

OCT. 30, 1987 - DATE OF ORIGINAL ISSUE
SEPT. 20, 1995 - ADDED AND DELETED SIGN DETAILS,
ADDED SIGN ID NUMBERS, AMOR NOTE
REVISIONS.
APPROVED FOR THIS PROJECT
AND/OR DESIGN IMPLEMENTATION.
FINAL FINAL APPROVAL PERIOD.

APPROVED

Director of Engineering
Traffic and Safety Engineer

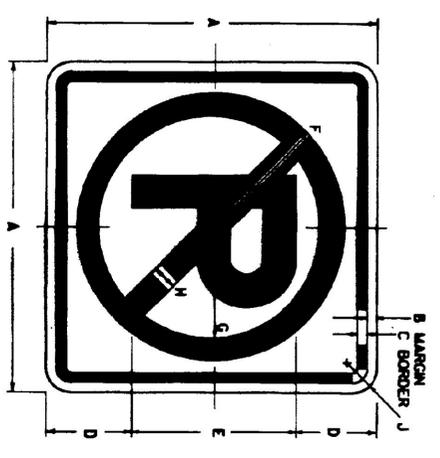
REGULATORY SIGN

DETAILS

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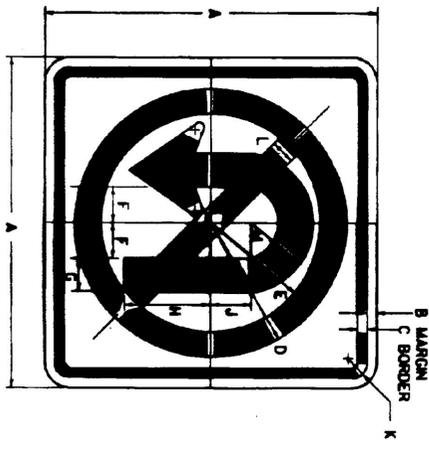
STANDARD
E-142



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

RS-1A

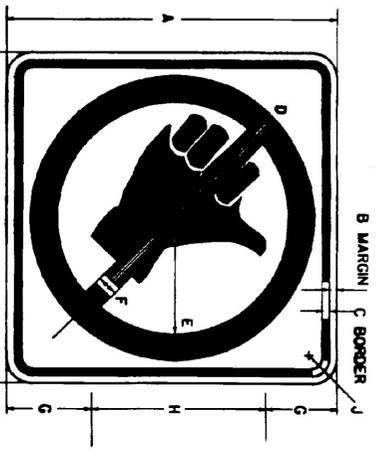
SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	M
MIN. AND STD.	12	3/4	3/4	3/4	6/16	4 1/4	4 1/4	3 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
EXPIRY.	36	3/4	3/4	3/4	9/16	4 1/4	4 1/4	3 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
SPECIAL	48	3/4	1/4	1/2	3/8	2 1/4	2 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4



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

RS-4

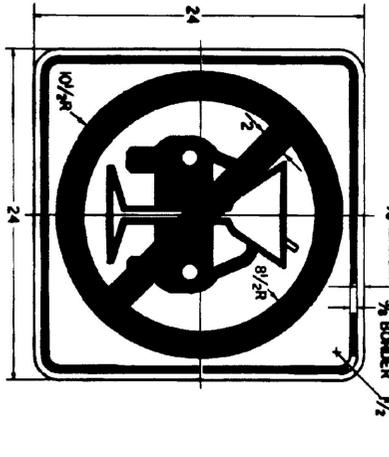
SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	M
MIN. AND STD.	24	3/4	3/4	10/16	8/16	2 1/4	2 1/4	2 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
SPECIAL	30	1/2	1/2	13/16	10/16	3 1/4	3 1/4	3 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
EXPIRY.	36	3/4	3/4	13/16	12/16	3 1/4	3 1/4	3 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
SPECIAL	48	3/4	1/4	21	17	3	3	5	2	2	3	4	10



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

RS-4A

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	M
MIN. AND STD.	24	3/4	3/4	1 1/4	6 1/4	1 1/2	3 1/4	10 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
EXPIRY.	36	3/4	3/4	1 1/4	6 1/4	1 1/2	3 1/4	10 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2



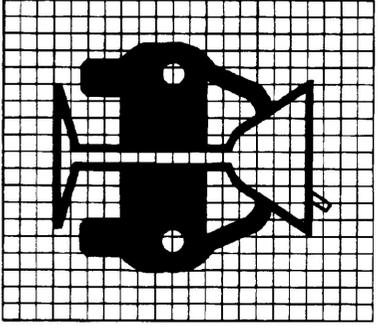
COLORS
CIRCLE AND DIAGONAL - RED (REFL.)
SYMBOL AND BORDER - BLACK (NON - REFL.)
BACKGROUND - WHITE (REFL.)



RS-1A

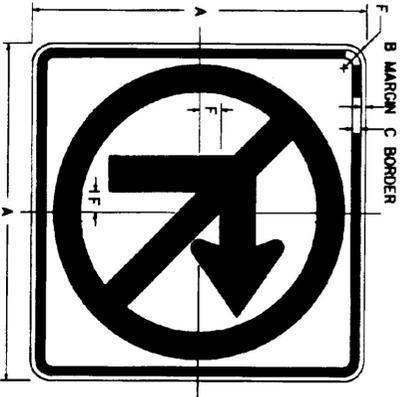
RS-1A

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	M
MIN. AND STD.	30	18	3/4	3	5.0	2	1 1/2	6 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
EXPIRY.	36	24	3/4	4 1/2	6.0	3	1 3/4	6 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
SPECIAL	42	30	3/4	5	8.0	4	1 7/8	6 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2



RS-1A

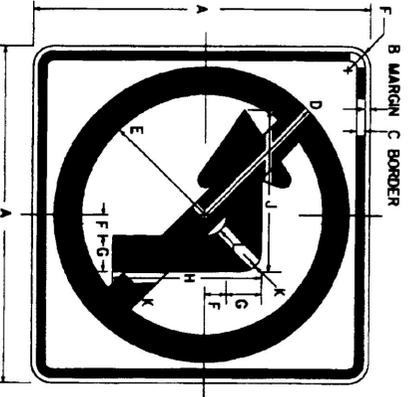
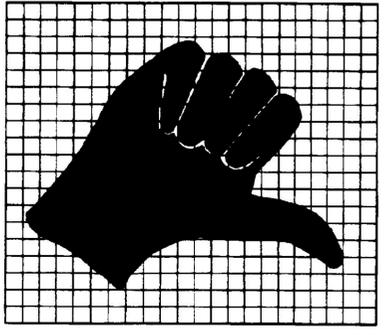
SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	M
MIN. AND STD.	24	3/4	3/4	10/16	8/16	2 1/4	2 1/4	2 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
SPECIAL	30	1/2	1/2	13/16	10/16	3 1/4	3 1/4	3 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
EXPIRY.	36	3/4	3/4	13/16	12/16	3 1/4	3 1/4	3 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
SPECIAL	48	3/4	1/4	21	17	3	3	5	2	2	3	4	10



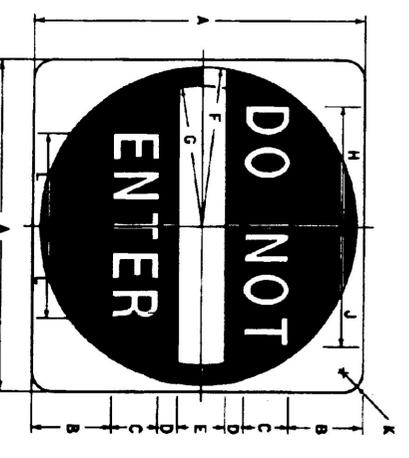
COLORS
CIRCLE AND DIAGONAL - RED (REFL.)
ARROW AND BORDER - BLACK (NON - REFL.)
BACKGROUND - WHITE (REFL.)

RS-1

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	M
MIN. AND STD.	24	3/4	3/4	10/16	8/16	2 1/4	2 1/4	2 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
SPECIAL	30	1/2	1/2	13/16	10/16	3 1/4	3 1/4	3 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
EXPIRY.	36	3/4	3/4	13/16	12/16	3 1/4	3 1/4	3 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
SPECIAL	48	3/4	1/4	21	17	3	3	5	2	2	3	4	10



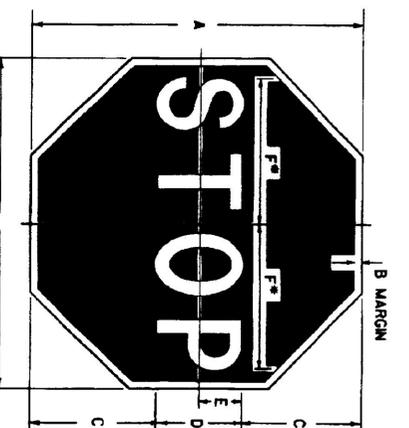
COLORS
CIRCLE AND DIAGONAL - RED (REFL.)
SYMBOL AND BORDER - BLACK (NON - REFL.)
BACKGROUND - WHITE (REFL.)



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

RS-1

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	M
MIN. AND STD.	30	6 1/2	4.0	2	5	1 1/2	2 1/4	9 1/4	10	1 1/4	7 1/4	1 1/4	1 1/4
EXPIRY.	36	7 1/2	5.0	2 1/2	6	1 7/8	5	12	12 1/2	2 1/4	8 1/4	1 1/4	1 1/4
SPECIAL	48	11	6.0	3	8	2 3/8	20	14 1/8	15	3	11 1/4	1 1/4	1 1/4



• REDUCE SPACING 40 %
COLORS
LEGEND - WHITE (REFL.)
BACKGROUND - RED (REFL.)
ENCAPSULATED LENS

RS-1

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	M
MIN. AND STD.	24	3/4	6	6	6	6	6	6	6	6	6	6	6
EXPIRY.	30	3/4	10	10	10	10	10	10	10	10	10	10	10
SPECIAL	36	3/4	12	12	12	12	12	12	12	12	12	12	12

- GENERAL:
1. ALL DIMENSIONS IN INCHES.
 2. SEE STANDARD E-144 FOR APPROVED DETAILS.

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.

FLAT SHEET ALUMINUM	0.1060"	0.080"	0.100"
HIGH DENSITY OVERLAIN PLYWOOD	1/2"	1/2"	5/8"
GALVANIZED FLAT SHEET STEEL	18 GAUGE	16 GAUGE	14 GAUGE

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 DESIGN PRESCRIBED IN THE STANDARD FOR HIGHWAY SIGNS AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

OTHER STD.: E-144
REQUIRED

REGULATORY SIGN

DETAILS

STANDARD

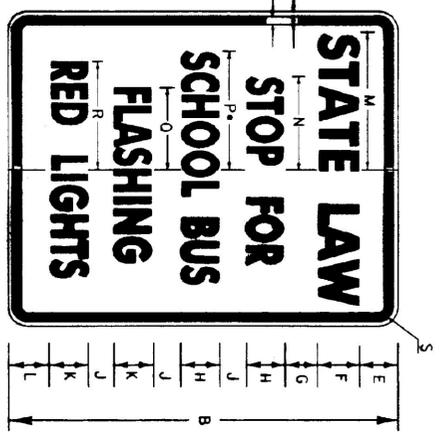
E-143

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,
FINAL FINAL APPROVAL PERIOD:

APPROVED
Edward P. Kelly
DIRECTOR OF ENGINEERING
David D. Stone
TRAFFIC AND SAFETY ENGINEER



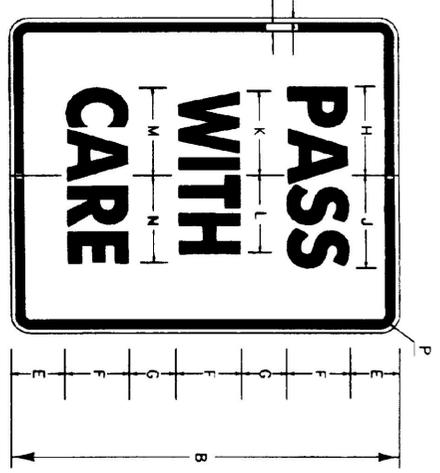


VR-048

• FOR STD SIZE, REDUCE SPACING 25%

DIMENSIONS (INCHES)

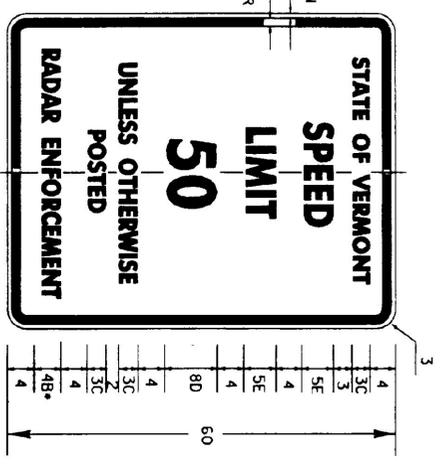
SIGN	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
MIN.	24	30	3/8	3/8	3	4B	3	3B	1 1/2	3B	2 1/2	9/2	10%	10%	6%	8%	1 1/2			
STD.	24	30	3/8	3/8	3	4B	3	3B	1 1/2	3B	2 1/2	9/2	10%	10%	6%	8%	1 1/2			
EXP'Y.	48	60	3/4	1 1/4	6	5B	4	4B	2	4B	3	2 1/2	10%	10%	12%	10%	3			
F.W.Y.	48	60	3/4	1 1/4	6	5B	4	4B	2	4B	3	2 1/2	10%	10%	12%	10%	3			



RA-2

DIMENSIONS (INCHES)

SIGN	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
MIN.	18	24	3/8	3/8	3 1/2	4C	2 1/2	5 1/2	5%	5	4 1/4	5 3/8	5 1/2	1 1/2		
STD.	24	30	3/8	3/8	3 1/2	4C	2 1/2	5 1/2	5%	5	4 1/4	5 3/8	5 1/2	1 1/2		
EXP'Y.	36	48	3/4	7/8	7	8C	5	10 1/2	11 1/4	10	9 1/2	10 1/4	11	2 1/4		
F.W.Y.	48	60	3/4	1 1/4	8	10C	7	13 3/4	14 1/2	12 1/2	11 3/4	13 3/4	13 3/4	3		



VR-114

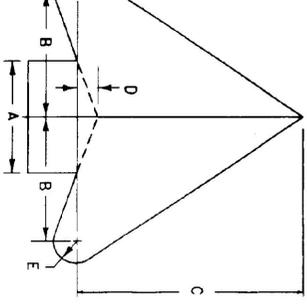
• REDUCE SPACING 25%



RA-5

(OVERHEAD SIGN)

A=VARIABLE
B=150A
C=2.030A
D=0.155A
E=0.200A



ARROW HEAD DETAIL

DIMENSIONS (INCHES)

A	B	C	D	E
2	2 3/8	4 1/8	3/8	3/8
2 1/4	2 3/8	4 1/2	3/8	3/8
2 1/2	2 1/8	5 1/8	3/8	3/8
2 3/4	3	5 1/4	3/8	1/2
2 3/4	3 1/2	5 3/4	7/8	1/2
3	3 1/2	6 1/8	7/8	1/2
3 1/4	3 3/4	6 3/4	1 1/2	3/8
3 1/4	3 3/4	6 3/4	1 1/2	3/8
3 3/4	3 3/4	6 1/2	1 1/2	3/8
3 3/2	4	7 1/8	3/4	1/2
4	4 1/4	7 3/8	3/4	1/2
4 1/4	4 3/4	8 1/8	3/4	1/2
4 1/2	4 3/4	8 1/4	3/4	1/2

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

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.

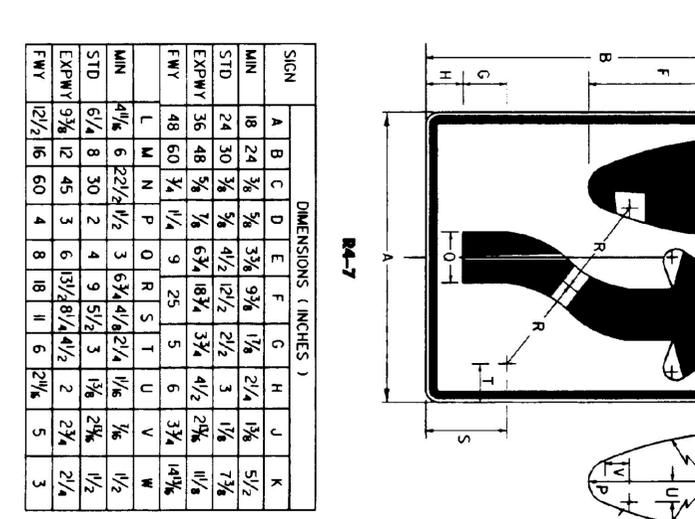
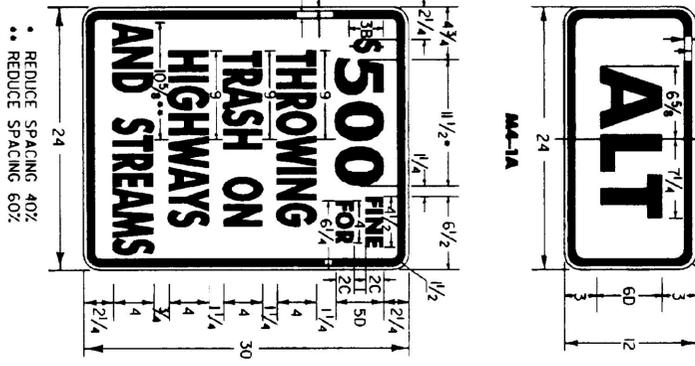
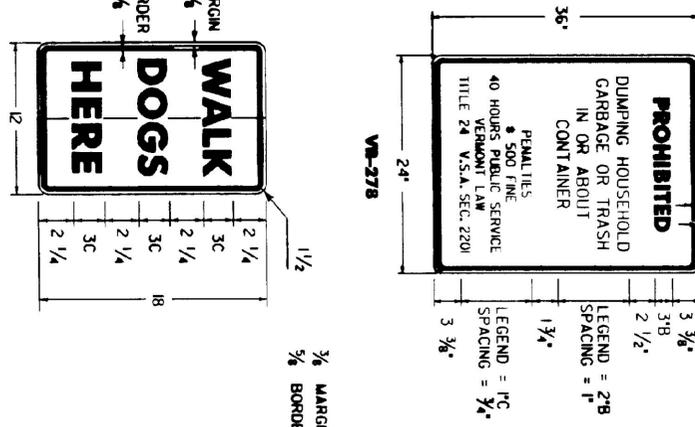
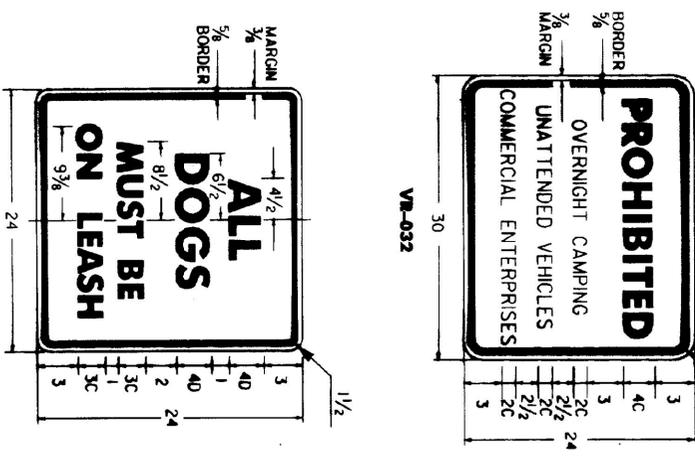
FLAT SHEET ALUMINUM	0.060"	0.080"	0.100"
HIGH DENSITY OVERLAIN PLASTIC	1/8 GAUGE	1/8 GAUGE	5/8 GAUGE
GALVANIZED FLAT SHEET STEEL	18 GAUGE	18 GAUGE	14 GAUGE

12' X 18'	24' X 12'	36' X 48'
18' X 24'	24' X 24'	48' X 60'
30' X 24'	24' X 36'	

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



RA-7

DIMENSIONS (INCHES)

SIGN	A	B	C	D	E	F	G	H	I	J	K
MIN.	18	24	3/8	3/8	3%	9%	1%	2 1/4	1 3/8	5/2	5/2
STD.	24	30	3/8	3/8	4 1/2	12 1/2	2 1/2	3	1 1/8	7 3/8	7 3/8
EXP'Y.	36	48	3/4	3/4	6 3/4	18 3/4	3 3/4	4 1/2	2 3/8	11 1/8	11 1/8
F.W.Y.	48	60	3/4	1 1/4	9	25	5	6	3 3/4	14 3/8	14 3/8
MIN.	4 1/8	6	2 2/4	1 1/2	4	9	5 1/2	3	1 3/8	2 3/4	1 1/2
STD.	6 1/4	8	3	2	4	9	5 1/2	3	1 3/8	2 3/4	1 1/2
EXP'Y.	9 3/8	12	4 5/8	3	6	13 1/2	8 1/4	4 1/2	2 3/4	3 1/4	2 1/4
F.W.Y.	12 1/2	16	6	4	8	18	11	6	2 3/4	4	3

VR-023b

• REDUCE SPACING 40%
• REDUCE SPACING 60%

REVISIONS AND CORRECTIONS

JAN. 23, 1989 - DATE OF ORIGINAL ISSUE

SEPT. 20, 1995 - ADDED AND DELETED SIGN DETAILS.

ADDED SIGN ID NUMBERS, MAJOR NOTE

REVISIONS

FEB. 2, 1998 - REMOVED VR-023, REPLACED WITH VR-278

APPROVED

DIRECTOR OF PROJECT DEVELOPMENT

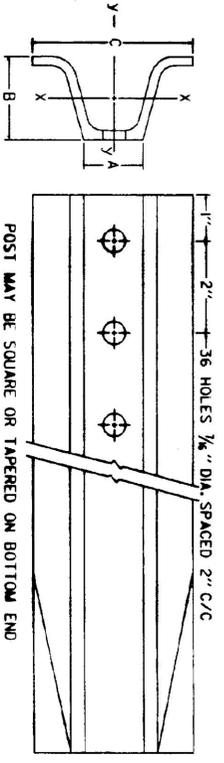
DIRECTOR OF CONSTRUCTION AND MAINTENANCE

REGULATORY SIGN DETAILS

VERMONT AGENCY OF TRANSPORTATION

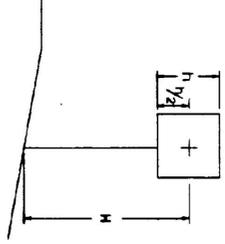
STANDARD E-144





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

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



POST SELECTION CHART		DESIGN CRITERIA	
SIGN AREA (FT 2) X H (FT) < 5SV (SELECTION VALUE)			
POST SIZE	SV	WIND SPEED = 60 MPH (10-YEAR MEAN RECURRENCE INTERVAL)	
2 LB/FT. (ONE POST INSTALLATION)	62	WIND RESISTANCE = 15 PSF	
2 LB/FT. (TWO POST INSTALLATION)	107	STEEL YIELD STRESS = 50,000 PSI	
3 LB/FT.		ALLOWABLE STRESS = (1/4) (0.60 FY)	

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

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.

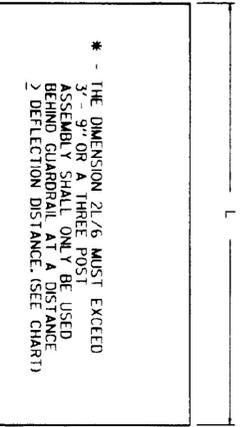
APPROVED FOR THIS PROJECT AND/OR DESIGN IMPROVEMENT. FINAL FINAL APPROVAL REQUIRED.

APPROVED

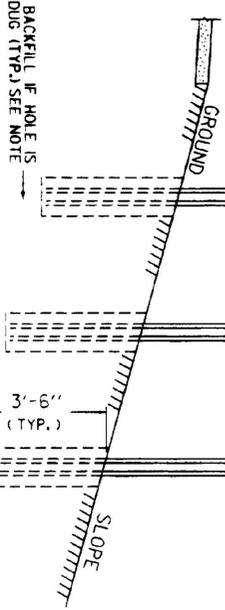
Director of Engineering
Traffic and Safety Engineer

FLANGED CHANNEL STEEL SIGN POST

/tr04/std/std060.dgn : std060.01



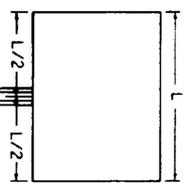
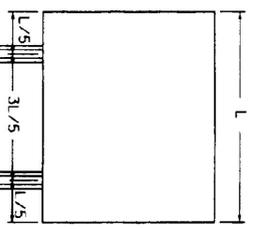
* - THE DIMENSION 2L/6 MUST EXCEED 3'-0" OR A THREE POST ASSEMBLY SHALL ONLY BE USED BEHIND GUARDRAIL AT A DISTANCE > DEFLECTION DISTANCE. (SEE CHART)



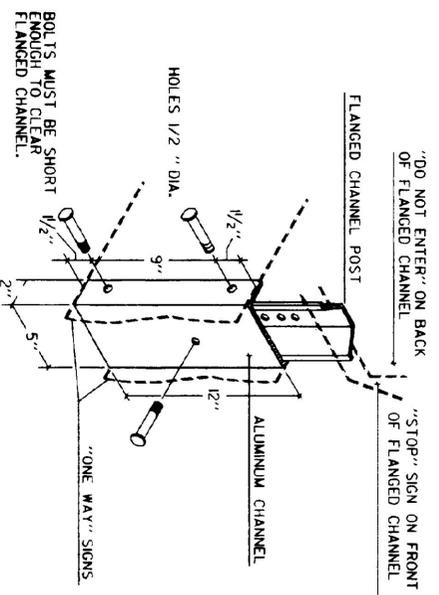
BACKFILL IF HOLE IS DUG (TYP.) SEE NOTE

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 TOGETHER THE POSTS DO NOT CREATE A HAZARD. REFER TO V.A.O.T. SIGN POST DESIGN GUIDELINE FOR ADDITIONAL DETAILS.



POST SPACING DETAILS

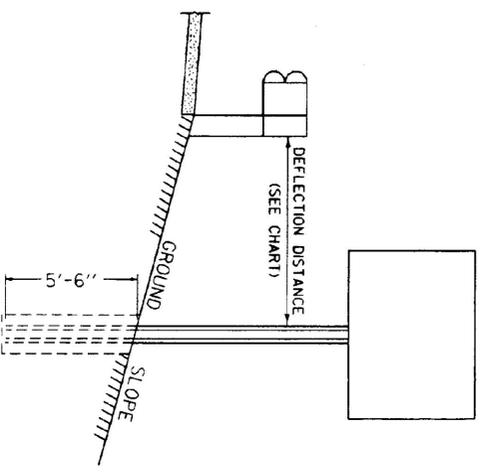


"DO NOT ENTER" ON BACK OF FLANGED CHANNEL
"STOP" SIGN ON FRONT OF FLANGED CHANNEL
ALUMINUM CHANNEL
HOLES 1/2" DIA.
BOLTS MUST BE SHORT ENOUGH TO CLEAR FLANGED CHANNEL.
DETAIL OF TYPE "A" OR "B" MOUNTING BRACKET. SEE STANDARD E-120 FOR CLEARANCES.

QUADRANT DEFLECTION CHART (PER AASHTO - ROADSIDE DESIGN GUIDE - 1988)		
TYPE	OR 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'
THREE 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.

OTHER STDA. REQUIRED:



WHEN USING FLANGED CHANNEL POSTS ON STEEP SLOPES (1 ON 2 OR STEEPER) FILL SLOPES BEHIND GUARDRAIL. ADD 2' EMBEDMENT 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".

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.

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.

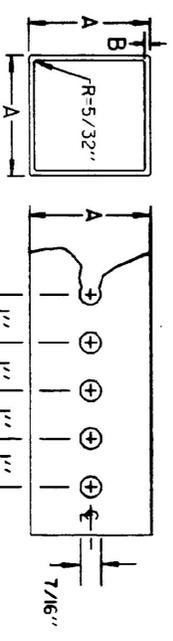


STANDARD E-160

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

TYPE	GR POST SPACING	DEFLECTION
THREE CABLE W/STEEL POSTS	6' - 0"	12"
W/WOODEN POSTS	12' - 6"	12"
W/WEAK POST	12' - 6"	7'
W/STRONG POST	6' - 3"	3'
BOX BEAM	6' - 0"	5'
THREE 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 A 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 1/2 GAUGE. TOLERANCES SHALL BE +.002" AND -.008" FOR THE 1/4 GAUGE.

POST SELECTION CHART

SIGN AREA (FT²) X H (FT) ≤ SV (SELECTION VALUE)

POST SIZE	DIMENSIONS	SECTION MODULUS IN ³	ONE POST SV	TWO POST SV	THREE POST SV	NUMBER REPEATED 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

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, FINAL FINAL APPROVAL, FIDELITY+BOUNDARY

APPROVED

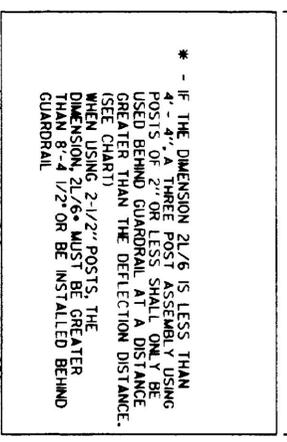
Director of Engineering
TRAFFIC AND SAFETY ENGINEER

SQUARE STEEL SIGN POST

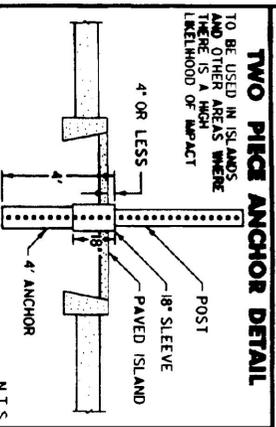
PRELIMINARY

VT01/STD/STD064.dgn/STD064.1

MULTI-POST INSTALLATIONS

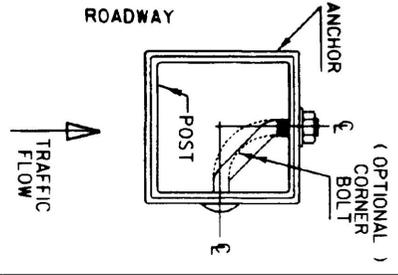


* - IF THE DIMENSION 2L/6 IS LESS THAN 4' - 4" A THREE POST ASSEMBLY USING POSTS OF 2" OR LESS SHALL ONLY BE USED BEHIND GUARDRAIL AT A DISTANCE GREATER THAN THE DEFLECTION DISTANCE. (SEE CHART)
WHEN USING 2-1/2" POSTS, THE DIMENSION 2L/6* MUST BE GREATER THAN 8'-4 1/2" OR BE INSTALLED BEHIND GUARDRAIL



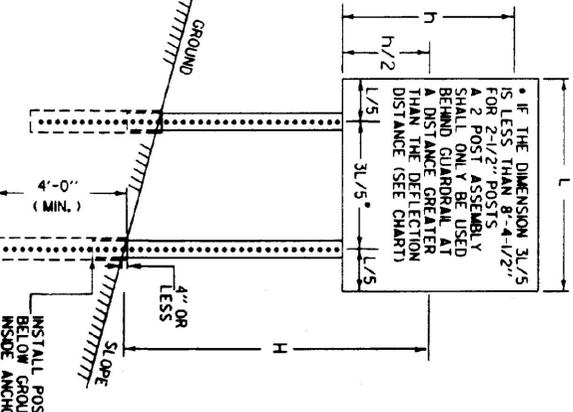
TO BE USED IN ISLANDS AND OTHER AREAS WHERE THERE IS A HIGH LIKELIHOOD OF IMPACT
4" OR LESS
PAVED ISLAND
18" SLEEVE
POST
4" ANCHOR
N.T.S.

TOP VIEW OF ANCHOR, POST AND BOLT



GENERAL NOTES

CONSTRUCTION METHODS - POSTS MAY BE DRIVEN OR SET IN A DRUG HOLE AND BACKFILLED, IF DRIVEN, A DRIVING HOLE SHALL BE DRIVEN TO THE FULL DEPTH OF THE POST. HOLE SHALL BE USED IN BEHIND OF POSTS, SO, CONSTRUCTION OF POSTS 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

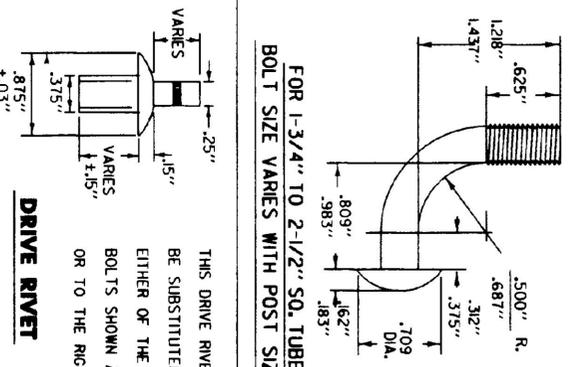


* IF THE DIMENSION 3L/5 IS LESS THAN 8'-4-1/2" FOR 2-1/2" POSTS A 2 POST ASSEMBLY SHALL ONLY BE USED AT A DISTANCE GREATER THAN THE DEFLECTION DISTANCE (SEE CHART)

POST SPACING DETAILS

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

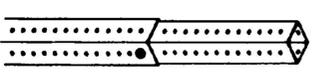
OPTIONAL CORNER BOLT DETAILS



DRIVE RIVET

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

CONNECTION DETAIL



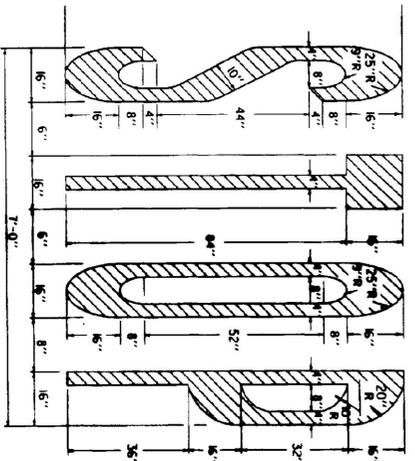
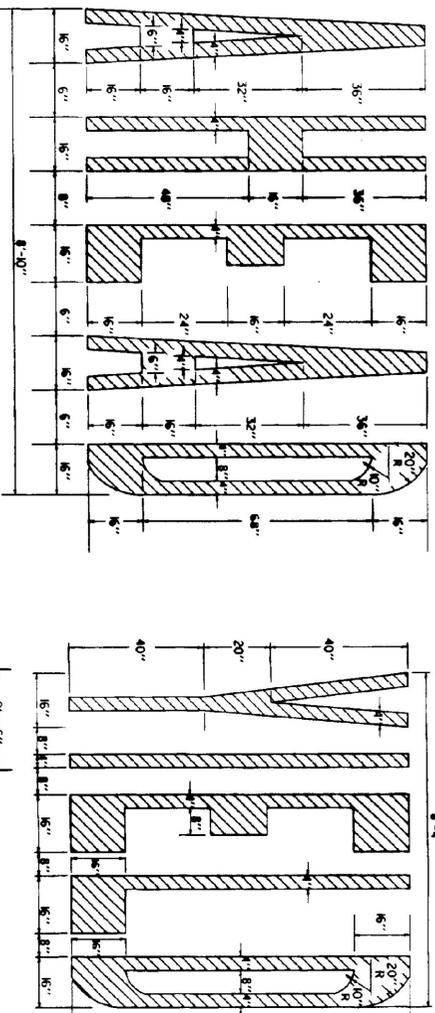
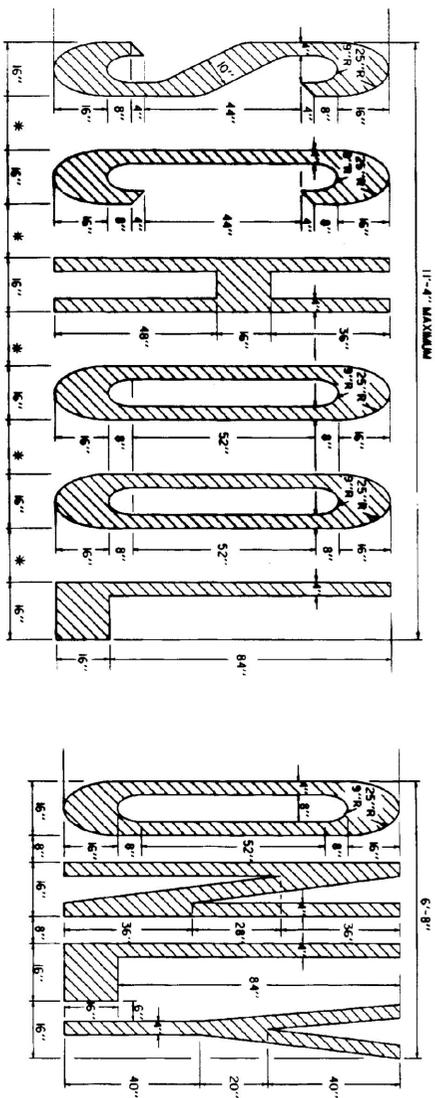
POST IS TO BE INSERTED INTO ANCHOR ONE FOOT BELOW GROUND LEVEL. ANCHOR IS TO BE 4'-0" MINIMUM LENGTH WITH NO MORE THAN 4" ABOVE GROUND. ANCHOR IS ONE SIZE (1/4") GREATER THAN THE POST AND ALL ANCHORS ARE TO BE 1/2 GAGE EXCEPT ANCHORS FOR 2-1/2" POSTS ARE TO BE 7 GAGE. CONNECTION IS TO BE MADE USING THE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

(SEE DETAIL LEFT FOR BOLT PLACEMENT)

OTHER STDS. REQUIRED L-129, L-149



STANDARD E-164



LETTER IN WORD MARKING AND CROSSWALK DETAILS

APPROVED

Director of Engineering

Traffic and Safety Engineer

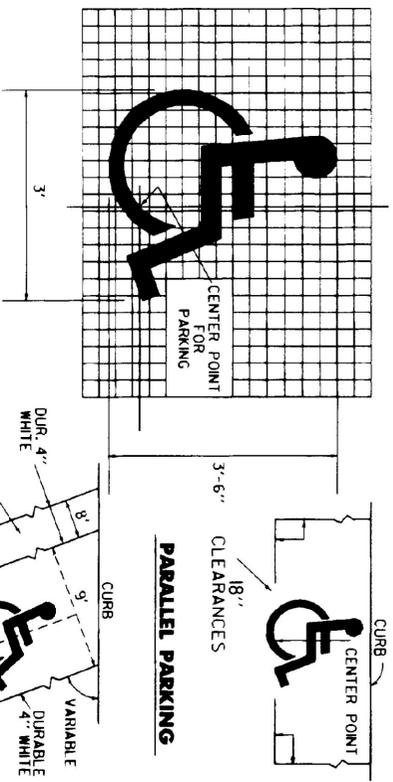
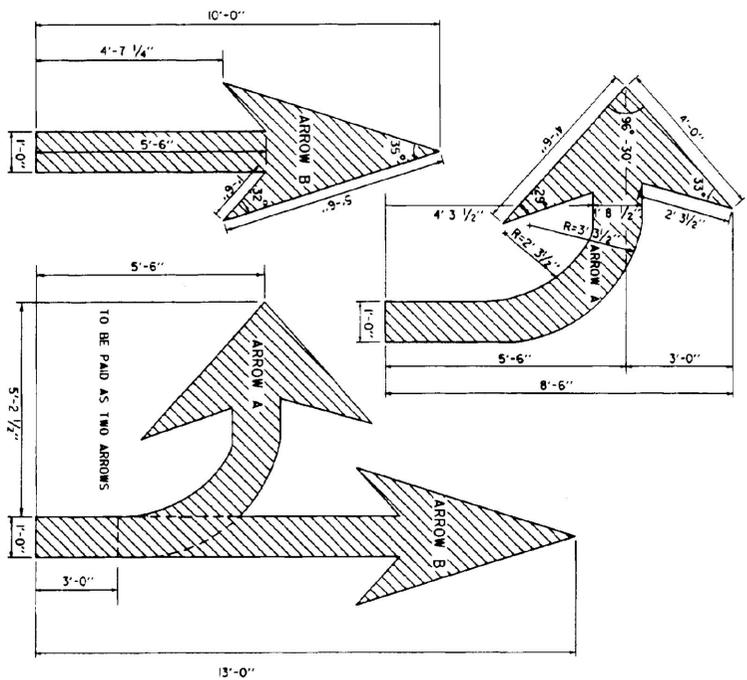
REVISIONS AND CORRECTIONS

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 FINAL FINAL APPROVAL PERIOD.

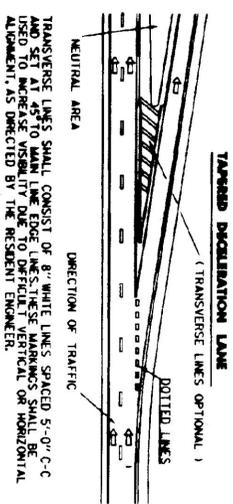
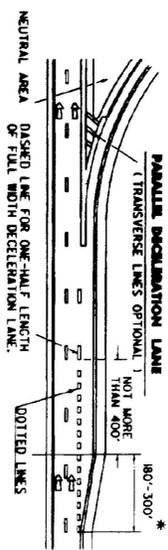
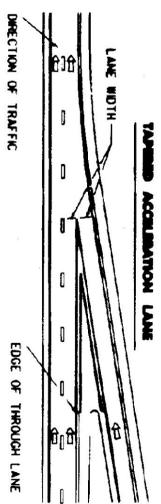
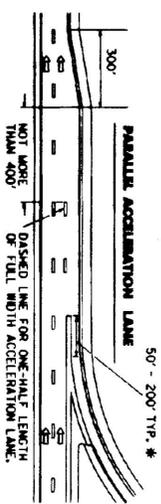
PAVEMENT MARKING DETAILS

DETAILS



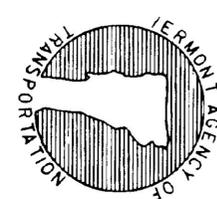
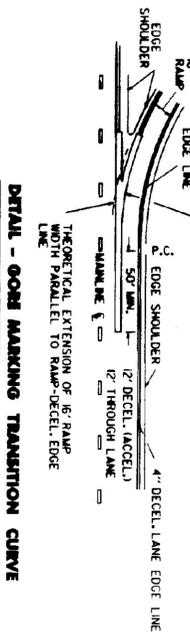
THIS SHEET IS NOT TO SCALE

OTHER STDS. REQUIRED



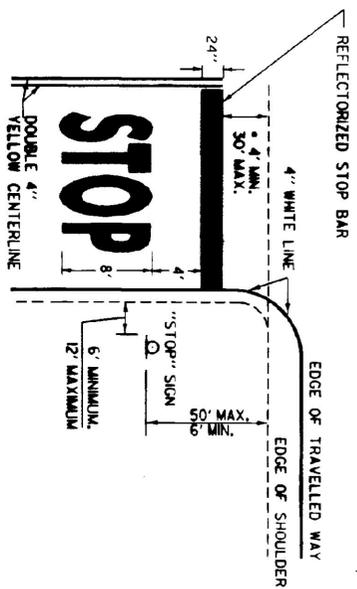
RAMP MARKINGS

- LEGEND
- 4" WHITE LINES
 - 4" YELLOW LINES
 - 8" CHANNELIZATION WHITE LINES
 - 4" WHITE DOTTED LINES (2' SOLID - 4' GAP)
- IMPORTANT NOTE: ACTUAL LOCATION OF 8" CORE MARKING TRANSITION CURVE MUST BE OFFSET FROM LANE TO PROVIDE A VISUALLY SMOOTH RAMP ENTRANCE.



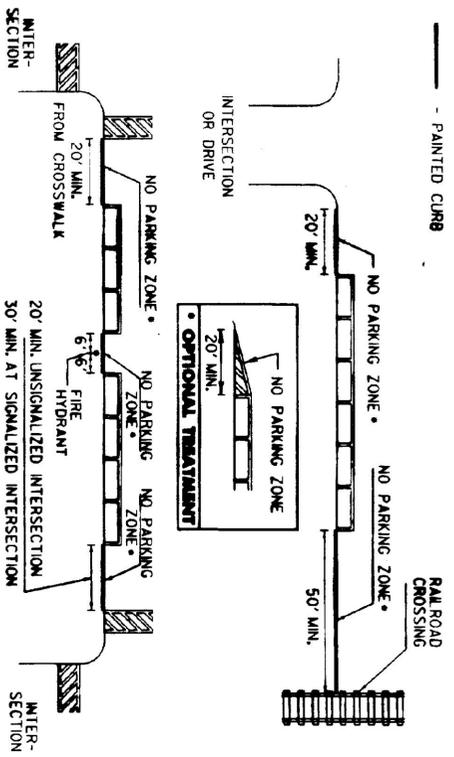
STANDARD
E-191

1/101/Std/Std091.dgn/Std091.i

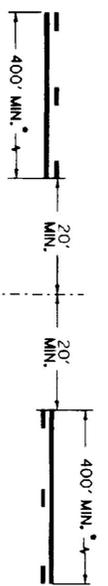


• THE "DESIRED STOPPING POINT" IS THE LOCATION BASED ON SITE CONDITIONS THAT BEST ALLOWS THE STOPPED VEHICLE TO VIEW THE APPROACHING TRAFFIC.

STOP BAR LAYOUT



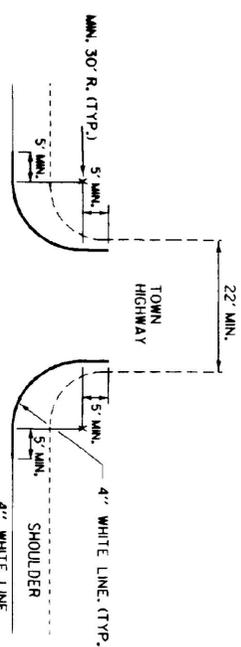
NO PARKING LAYOUT DETAILS



• 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 BREAKS:
- AT ALL STATE HIGHWAYS AND TOWN HIGHWAYS, INCLUDING CLASS 4 TH'S.
 - COMMERCIAL DRIVES:
 - WHERE A SEPARATE TURN LANE EXISTS ON THE MAIN LINE (L.T. OR RT.)
 - SIGNIFICANT TRAFFIC VOLUMES EXISTS.
 - IF MOTORISTS NEED ASSISTANCE TO DEFINE ENTRANCE POINTS.

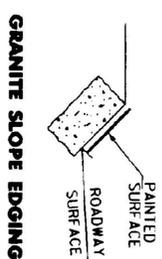
CENTERLINE LAYOUT



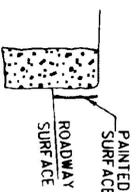
EDGE LINES SHALL BE APPLIED TO ALL STATE HIGHWAYS AND SHOULD BE MAINTAINED AT A CONSTANT DISTANCE FROM THE CENTERLINE UNLESS PAVEMENT WIDTH INCREASES TO ALLOW WIDER LANES.

APPLY EDGE LINE AS DETAILED ON ALL PAVED CLASS 1 & 2 TOWN HIGHWAYS AND ANY CLASS 3 TOWN HIGHWAY 22 FEET OR MORE IN WIDTH. IF MIN. 30 FOOT RADII CANNOT BE OBTAINED, OR THE TOWN HIGHWAY IS NOT PAVED, BREAK THE EDGE LINE USING AN 80 FOOT GAP AT INTERSECTION.

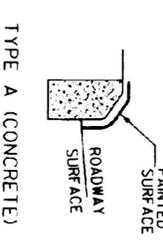
EDGE LINE LAYOUTS



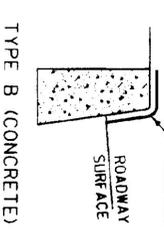
GRANITE SLOPE EDGING



VERTICAL GRANITE CURB

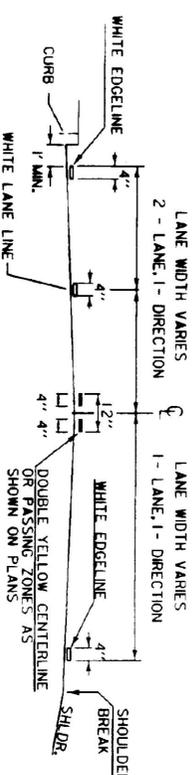


TYPE A (CONCRETE)

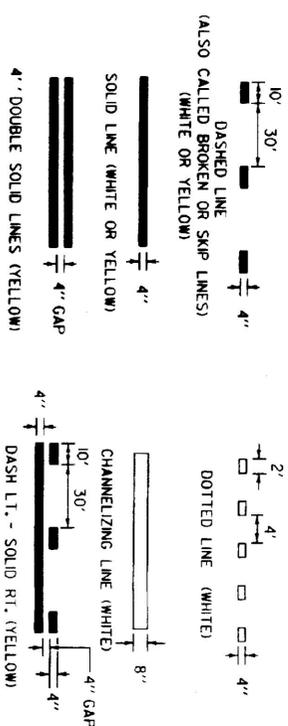


TYPE B (CONCRETE)

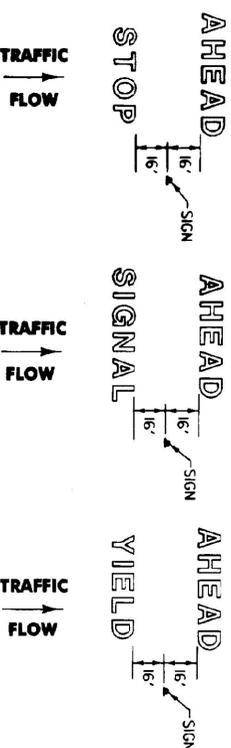
PAINTED CURB



PAVEMENT MARKING PLACEMENT DETAIL

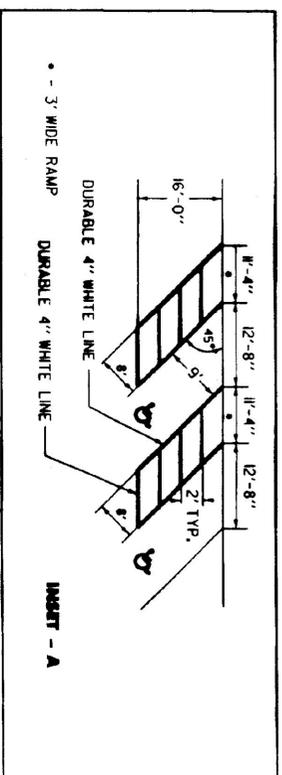


PAVEMENT MARKING LINE DETAILS



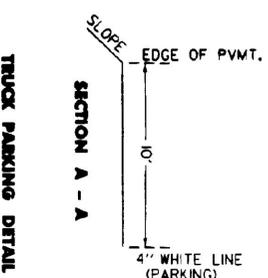
LETTER IN WORD MARKING SPACING DETAIL

NOTE: SINGLE WORDS CENTERED ON SIGN 16" SCHOOL OR YIELD

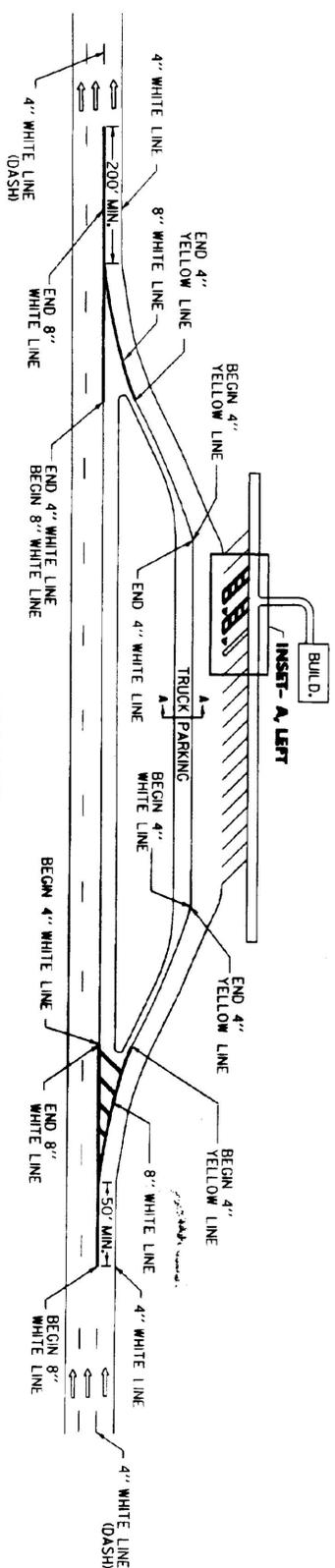


INSET - A

NOTE:
SEE STANDARD SHEET E-19 FOR
HANDICAP SYMBOL POSITIONING AND DETAIL.



TRUCK PARKING DETAIL



REST AREA PARKING DETAILS

THIS SHEET IS NOT TO SCALE
OTHER STDS. E - 191, E - 192

REVISIONS AND CORRECTIONS

AUG. 18, 1995 - DATE OF ORIGINAL ISSUE

APPROVED

Director of Engineering

Traffic and Safety Engineer

APPROVED FOR THIS PROJECT
AND/OR DESIGN IMPLEMENTATION
FROM FINAL APPROVAL PERSON:

PAVEMENT MARKING DETAILS

/trcf/std/std93.dgn/std93.1

