

NOTES:

- CONTRACTOR IS TO SUBMIT TO THE ENGINEER FOR APPROVAL A PROPOSED EMBANKMENT FILL OPERATIONS AREA AND PLAN ALONG WITH A CONSTRUCTION SEQUENCING PLAN.
- CONTRACTOR WILL BE REQUIRED TO FOLLOW CONSTRUCTION PROCEDURES OUTLINED ON THIS SHEET.
- CONTRACTOR'S FILL OPERATIONS SHALL BE LIMITED AS FOLLOWS:
 - FILL IS TO BE INSTALLED TO FIRST LIFT ELEVATIONS SHOWN ON PROFILE SHEETS G-4 TO G-9.
 - AREA OF FILL OPERATIONS IS TO BE LOADED UNIFORMLY.
 - SEE SPECIAL PROVISIONS SECTION 203.11C REGARDING PLACEMENT OF FILL OVER THE SAND DRAINAGE BLANKET.
 - THE FIRST TWO LIFTS MAY BE PLACED WITHOUT A TIME LIMIT BETWEEN LIFTS (I.E. LIFT 2 MAY BE PLACED IMMEDIATELY AFTER LIFT 1)
 - SUBSEQUENT FILL SHALL BE PLACED IN 5' LIFTS WITH A WAITING PERIOD BETWEEN LIFTS OF 2 WEEKS OR AS ORDERED BY THE ENGINEER.
 - EMBANKMENT SHALL BE PLACED IN ACCORDANCE WITH SPECIFICATION SECTION 203.11
- CONTRACTOR SHALL COMPLY FULLY WITH ENGINEER WITH REGARDS TO INSTRUMENTATION MONITORING AND VARIATIONS IN FILL PLACEMENT PROCEDURES AND TIME LIMITS.

ESTIMATED PREFABRICATED VERTICAL DRAIN LOCATION & SPACING						
FROM STA	OFFSET TO (STA)	OFFSET (FT)	PVD SPACING (FT)	EST. ELEV. (FT)	EST. PVD LENGTH (LF)	
MAINLINE @ ROUTE 2A VALLEY						
433+00	CL	434+60	CL	5	335	31
434+60	CL	435+50	CL	5	320	46
435+50	CL	437+40	CL	5	295	61
438+70	CL	440+00	CL	5	315	33
440+00	CL	442+00	CL	5	300	49
MAINLINE @ STRUCTURE 7 & 8						
504+50	RT	507+00	RT	4	405	40
504+50	LT	506+00	LT	4	430	16
507+00	RT	508+50	RT	4	415	26
506+00	LT	511+20	LT	4	400	41
508+50	RT	511+20	RT	4	400	41
513+70	CL	516+80	CL	5	415	26
RAMP A						
10+00	CL	14+70	CL	5	270	71
15+90	CL	18+70	CL	5	285	64
18+70	CL	20+15	CL	5	315	42
RAMP B						
12+50	CL	13+00	CL	5	320	43
13+00	CL	14+50	CL	5	295	64
14+50	CL	16+00	CL	5	310	37
16+00	CL	17+50	CL	5	290	53
17+50	CL	22+00	CL	5	270	73
RAMP D						
15+90	CL	20+20	CL	5	320	32
21+00	CL	23+00	CL	5	290	76

INCLINOMETERS ITEM 623.50				
LABEL	SH. NO.	LOCATION	STATION	OFFSET
I-1	G-1	MAINLINE	431+80	165 RT
I-2	G-1	RAMP B	12+85	120 RT
I-3	G-1	RAMP B	15+00	130 RT
I-4	G-1	RAMP B	15+15	120 LT
I-5	G-1	RAMP B	15+15	120 LT
I-6	G-1	RAMP B	16+80	120 LT
I-7	G-1	RAMP B	17+95	95 LT
I-8	G-1	RAMP A	14+10	85 RT
I-9	G-1	RAMP A	13+10	70 LT
I-10	G-1	RAMP A	19+35	95 RT
I-11	G-1	RAMP D	18+30	125 RT
I-12	G-2	RAMP D	16+50	45 RT
I-13	G-3	MAINLINE	506+20	180 RT
I-14	G-3	MAINLINE	508+20	180 LT
I-15	G-3	MAINLINE	510+00	160 LT
I-16	G-3	MAINLINE	514+00	155 RT
I-17	G-3	MAINLINE	514+00	155 LT
I-18	G-3	MAINLINE	514+00	155 RT

CONSTRUCTION PROCEDURES:

- EXCAVATE UNSUITABLE MATERIALS (TOPSOIL & MUCK).
- GRADE EXPOSED SURFACE AS NECESSARY TO FACILITATE MOVEMENT OF PVD EQUIPMENT.
- PLACE GEOSYNTHETIC AT LOCATIONS AND TO LIMITS SHOWN ON SHEETS G-1 TO G-9, OR AS DIRECTED BY THE ENGINEER.
- INSTALL 2" THICK DRAINAGE BLANKET ITEM 203.31 MODIFIED, TO LIMITS SHOWN ON SHEETS G-1 TO G-9.
- STAKE OUT PVD LOCATIONS.
- INSTALL PVD'S TO LIMITS SHOWN ON SHEETS G-1 TO G-3 AND TO DEPTH OF REFUSAL BELOW THE CLAY LAYER.
- INSTALL ALL INSTRUMENTATION.
- IN ACCORDANCE WITH SPECIFICATION SECTION 203.11, PLACE EMBANKMENT MATERIAL IN 5' LIFTS.
- WAITING PERIOD BETWEEN LIFTS IS 2 WEEKS (WAITING PERIODS AND LIFT HEIGHT MAY BE MODIFIED BY THE ENGINEER).
- CONSTRUCT NEXT LIFT, MAXIMUM 5' LIFT.
- REPEAT STEPS 9 AND 10 UNTIL EMBANKMENT HEIGHT INCLUDING SURCHARGE HEIGHT ARE ATTAINED AS SHOWN ON SHEETS G-4 TO G-9.
- WAIT SIX (6) MONTHS.
- SEE SHEET G-10 FOR ADDITIONAL NOTES.

PIEZOMETERS (VIBRATING WIRE) ITEM 623.40					SENSOR APPROX. SENSOR DEPTH FROM D.G. (FT)	
LABEL	SH. NO.	LOCATION	STATION	OFFSET	ELEVATION (FT)	DEPTH (FT)
P-1	G-1	MAINLINE	438+85	0 CL	342	30
P-2	G-1	MAINLINE	436+00	0 CL	334	20
P-3 A	G-1	MAINLINE	436+20	20 LT	333	29
P-3 B	G-1	MAINLINE	436+20	20 LT	333	26
P-4	G-1	RAMP B	13+00	0 CL	336	26
P-5	G-1	RAMP B	15+00	0 CL	310	41
P-6	G-1	RAMP B	16+40	20 LT	322	23
P-7	G-1	RAMP B	17+85	20 LT	312	34
P-8	G-1	RAMP B	17+85	20 LT	312	44
P-9	G-1	RAMP B	17+85	20 LT	312	37
P-10 A	G-2	RAMP A	13+55	30 LT	317	27
P-11 B	G-2	RAMP A	13+55	40 LT	300	44
P-12	G-1	RAMP D	21+75	10 LT	322	42
P-13	G-1	RAMP D	19+10	5 RT	332	20
P-14	G-1	RAMP D	18+10	5 RT	327	23
P-15 A	G-1	MAINLINE	440+50	25 LT	327	71
P-15 B	G-1	MAINLINE	440+50	35 LT	318	79
P-16	G-1	RAMP A	18+15	25 LT	326	33
P-17 A	G-1	RAMP A	17+65	0 LT	315	24
P-17 B	G-1	RAMP A	17+65	10 LT	312	31
P-18	G-3	MAINLINE	505+10	95 RT	417	25
P-19	G-3	MAINLINE	506+50	0 CL	411	23
P-20	G-3	MAINLINE	508+20	0 CL	419	11
P-21	G-3	MAINLINE	509+15	0 CL	411	26
P-22	G-3	MAINLINE	515+20	0 CL	407	17
P-23	G-1	MAINLINE	436+20	25 RT	333	

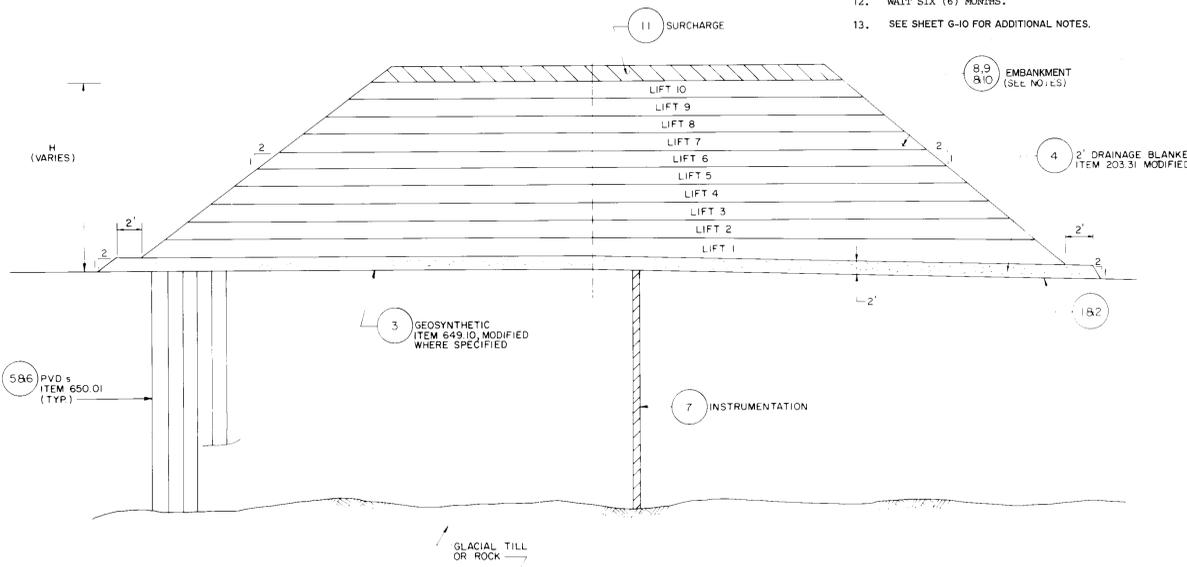
RESERVOIR WELLS ITEM 623.50 MODIFIED					APPROX. ELEV. SCREENED INTERVAL (FT)	
LABEL	SH. NO.	LOCATION	STATION	OFFSET	ELEVATION (FT)	INTERVAL (FT)
08-1	G-1	MAINLINE	431+80	165 RT	335-332	
08-2	G-1	RAMP B	15+75	135 RT	315-317	
08-3	G-2	RAMP A	17+80	105 RT	300-302	
08-4	G-1	RAMP D	19+80	85 RT	330-332	
08-5	G-1	MAINLINE	438+90	105 RT	315-317	
08-6	G-2	RAMP A	15+80	50 RT	315-317	
08-7	G-3	MAINLINE	507+00	180 RT	415-417	
08-8	G-3	MAINLINE	509+00	175 LT	415-417	

VIBRATING WIRE SETTLEMENT PLATFORMS TYPE II ITEM 623.23				
LABEL	SH. NO.	LOCATION	STATION	OFFSET
S-1	G-1	MAINLINE	431+80	0 CL
S-2	G-1	MAINLINE	436+30	0 CL
S-3	G-1	RAMP B	15+00	0 CL
S-4	G-1	RAMP B	16+50	20 LT
S-5	G-1	RAMP B	18+30	20 LT
S-6	G-1	RAMP A	13+65	15 LT
S-7	G-1	RAMP A	14+70	45 RT
S-8	G-1	RAMP A	14+70	33 LT
S-9	G-1	RAMP D	13+30	20 LT
S-10	G-1	RAMP D	18+15	00 LT
S-11	G-1	MAINLINE	440+20	0 CL
S-12	G-1	MAINLINE	438+75	0 CL
S-13	G-1	MAINLINE	443+40	0 CL
S-14	G-1	RAMP A	17+50	0 CL
S-15	G-1	RAMP A	19+00	20 LT
S-16	G-3	MAINLINE	505+10	115 RT
S-17	G-3	MAINLINE	508+15	0 CL
S-18	G-3	MAINLINE	508+00	30 RT
S-19	G-3	MAINLINE	443+00	30 LT
S-20	G-3	MAINLINE	515+00	30 LT
S-21	G-3	MAINLINE	516+20	75 RT

TYPE I SETTLEMENT PLATFORMS ITEM 623.21				
LABEL	SH. NO.	LOCATION	STATION	OFFSET
S-22	G-1	MAINLINE	434+80	0 CL
S-23	G-1	MAINLINE	436+05	50 LT
S-24	G-1	MAINLINE	436+35	45 RT
S-25	G-1	MAINLINE	437+35	0 CL
S-26	G-1	RAMP B	21+00	0 CL
S-27	G-2	RAMP A	12+00	0 CL
S-28	G-1	RAMP D	21+75	20 LT
S-29	G-1	RAMP D	18+00	10 LT
S-30	G-1	MAINLINE	440+15	45 LT
S-31	G-1	MAINLINE	440+25	45 LT

FIELD CONTROL STATION SCHEDULE *				
F.C. #	LOCATION	STA	OFFSET	SERVING INSTRUMENTS
FC-1	MAINLINE	431+00	130 RT	P-1, P-2, S-1, S-2
FC-2	RAMP D	21+80	75 RT	P-3A, P-3B, P-12, P-24, S-6
FC-3	RAMP D	19+15	110 RT	P-13, P-14, S-24, S-26, S-31
FC-4	RAMP D	16+65	85 RT	P-15A, P-15B, P-16, S-29, S-32
FC-5	RAMP B	14+70	145 RT	P-4, P-5, P-6, S-10, S-11
FC-6	RAMP A	18+00	145 RT	P-18A, P-18B, S-33, S-35
FC-7	RAMP A	14+85	55 LT	P-7, S-12, S-20
FC-8	RAMP A	13+20	100 RT	P-9, P-11A, P-11B, S-18, S-19
FC-9	MAINLINE	505+70	185 RT	P-19, P-20, S-36, S-37
FC-10	MAINLINE	509+10	165 RT	P-21, P-22, S-39, S-40
FC-11	MAINLINE	515+70	130 RT	P-23, S-42, S-43

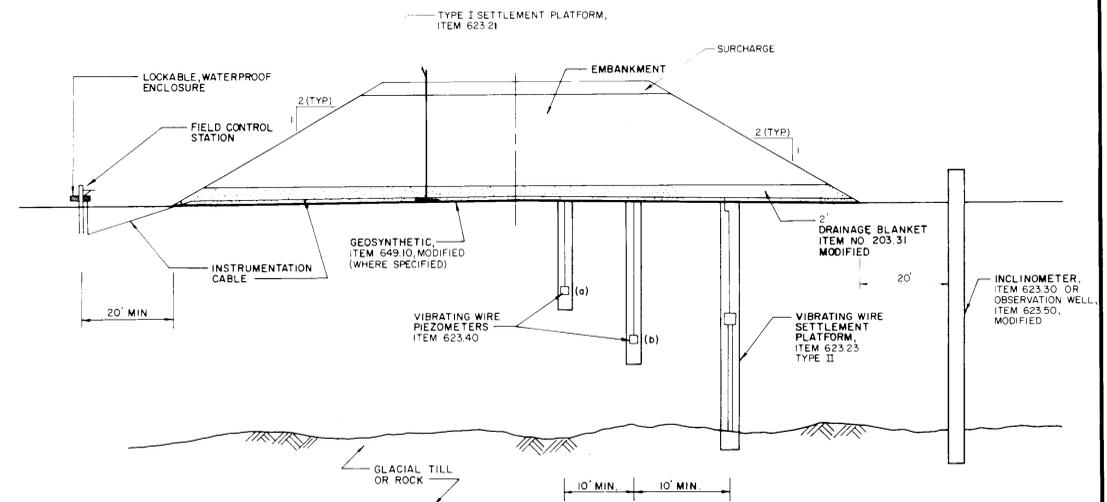
* NOTE: FIELD CONTROL STATIONS SHALL BE SIZE TO ADEQUATELY HOUSE THE NUMBER AND TYPE OF INSTRUMENT PANELS SHOWN ON THE ABOVE SCHEDULE.



CONSTRUCTION PROCEDURES TYPICAL SECTION
NTS

LEGEND

- (X) CONSTRUCTION PROCEDURE FROM ABOVE



INSTRUMENTATION LAYOUT
NO SCALE

NOTE: SEE TABLE FOR ELEVATIONS AND LOCATIONS

DATUM	
VERTICAL	N.G.V.D. 1929
HORIZONTAL	N.A.D. 1927

REVISED 3/22/91

SURVEYED BY	VS, INC./CHA	DATE	1988-90
DRAWN BY	J. BURKE	DATE	9/90
TRACED BY	V. HECHT	DATE	3/89
VERMONT ROUTE 289 (F.A.P.)			
TOWN OF ESSEX			
PROJ WILLISTON - NO PB 033-1 (2)			
COLCHESTER			
SHEET G-12 OF G-14 SH. 127 OF 400			

NO.	F.C. MODIFICATION	BY	DATE
1		J.B.	12/21/90
	REVISION		