

VICINITY MAP

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT TOWN OF CLARENDON COUNTY OF RUTLAND RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT

RUNWAY 19 SAFETY AREA IMPROVEMENTS PHASE I, TO INCLUDE:

1. RELOCATE A PORTION OF AIRPORT ROAD (28' x 760')
2. CONSTRUCT RIGHT TURN LANE OFF ROUTE 103
3. REPAVE A PORTION OF AIRPORT ROAD (22' x 4100')
4. CONSTRUCT NEW SEWER FORCE MAIN & WATER WELL Δ
- Δ 5. EXTEND & PAVE FBO PARKING AREA (APPROX. 500 SY)

Δ AIP 3-50-0015-34 (DESIGN)
Δ AIP 3-50-0015-41 (CONSTRUCTION)

**RECORD DRAWING
DECEMBER 27, 2013**

DESIGN CERTIFICATION

THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED IN ACCORDANCE WITH CURRENT FAA STANDARDS IDENTIFIED IN ADVISORY CIRCULAR CHECKLIST, AC 00-2.13, DATED JANUARY 25, 2012. DEVIATIONS FROM FAA STANDARDS ARE DISCUSSED IN THE ENGINEER'S REPORT, DATED FEBRUARY, 2013.

URS CORPORATION

DATE

STANDARD NOTE

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION OR THE DIRECTOR OF POLICY PLANNING AND INTERMODAL DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS, FAA ADVISORY CIRCULAR 150/5370-10F, AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPROVED _____ DATE _____

DIRECTOR, POLICY PLANNING AND
INTERMODAL DEVELOPMENT

APPROVED _____ DATE _____

PROJECT MANAGER | SCOTT FORTNEY

PROJECT NAME | RUTLAND SOUTHERN VERMONT
REGIONAL AIRPORT-
CLARENDON, VERMONT

PROJECT NUMBER | AV148001-300
SHEET | OF 29 SHEETS

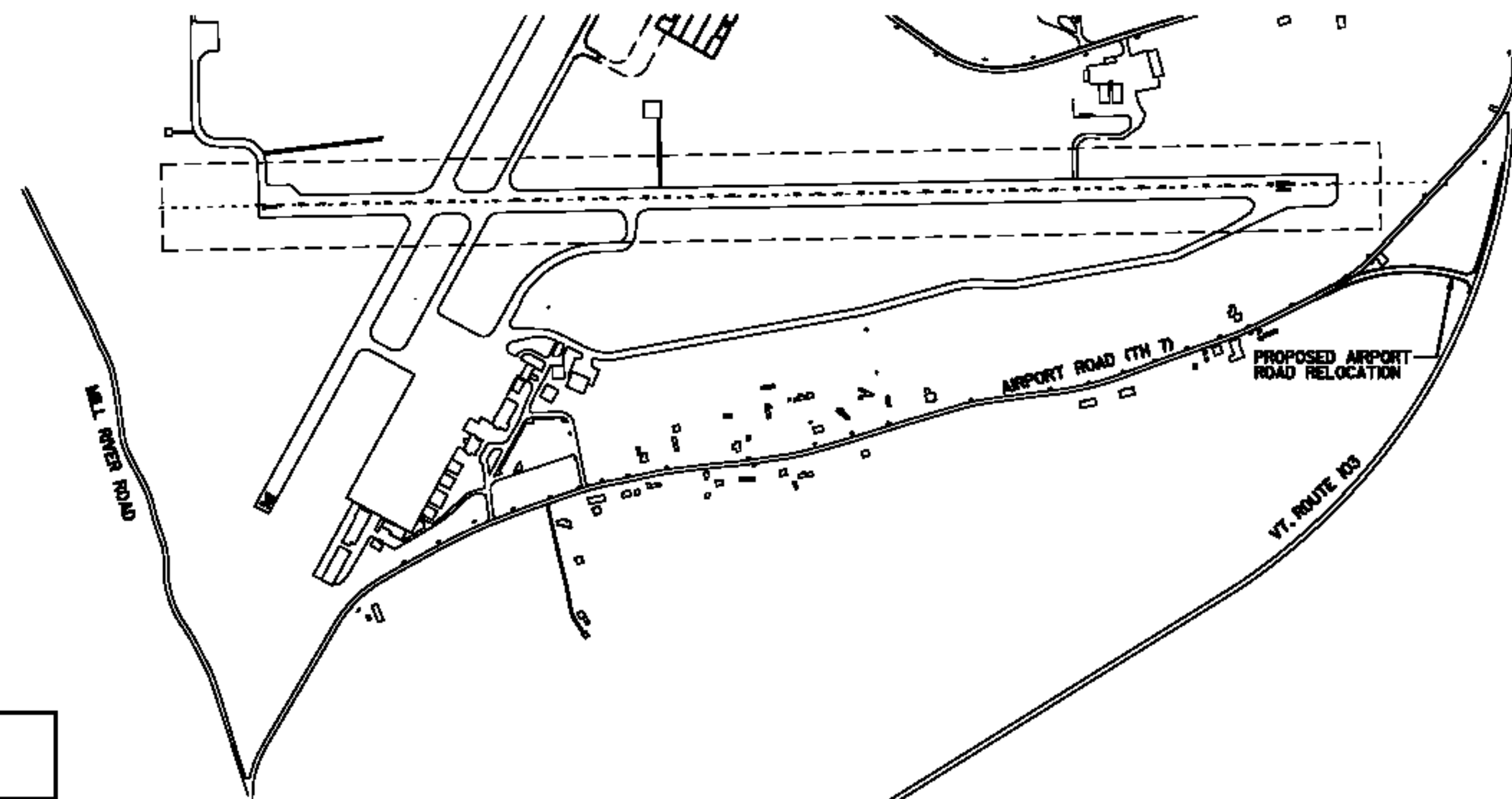
PLANS PREPARED BY:

URS

URS CORPORATION
3 CORPORATE DRIVE, SUITE 203
CLIFTON PARK, NY 12065
PH# (518) 688-0005

URS PROJECT NO.
38397211

Δ RECORD DRAWING



500 0 500

CONVENTIONAL SYMBOLS

COUNTY LINE	———
TOWN LINE	———
LIMITS OF ACCESS	○——○
POINT OF ACCESS	X
FENCE LINE	X—X—X—X—X
STONE WALL	○—○—○—○—○
TRAVELED WAY	———
GUARD RAIL	○—○—○—○—○
RAILROAD	———
SURVEY LINE	———
CULVERT	———
POWER POLE	⊕
TELEPHONE POLE	⊕
TREES	⊙
CONTROL OF ACCESS	///
PROPERTY LINE	———
R.O.W. TAKING LINE	SR ○ SR ○ SR
SLOPE RIGHTS	○—○—○—○—○
TOP OF CLUT	△
TOE OF SLOPE	○

SURVEYED BY | URS CORPORATION
SURVEYED DATE | 2005 - 2012

DATUM
VERTICAL NGVD 88
HORIZONTAL NAD 83

STATE OF VERMONT
AGENCY OF TRANSPORTATION

INDEX OF SHEETS

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 INDEX OF SHEETS
- 3 QUANTITY SHEET 1
- 4 QUANTITY SHEET 2
- 5 DRAINAGE SHEET
- 6 GENERAL PROJECT LAYOUT
- 7 AIRPORT ROAD REPAVING PLAN
- 8 GEOMETRY PLAN
- 9 DRAINAGE PLAN
- 10 DRAINAGE DETAILS
- 11 TYPICAL SECTIONS-ROADWAY (AIRPORT & ROUTE 103)
- 12 AIRPORT ROAD-PROFILE
- 13 AIRPORT ROAD-GRADING PLAN
- 14 ROADWAY SIGNAGE & MARKING PLAN
- 15 ROADWAY SIGN SUMMARY SHEET
- 16 FENCE & UTILITY POLE RELOCATION PLAN
- 17 TRAFFIC CONTROL PLAN (1)
- 18 TRAFFIC CONTROL PLAN (2)
- 19 TRAFFIC CONTROL PLAN (3)
- 20 TRAFFIC CONTROL PLAN (4)
- 21 BORING AND TEST PIT LOGS
- 22-24 AIRPORT ROAD CROSS SECTIONS
- 25-27 ROUTE 103 CROSS SECTIONS
- 28 TYPICAL SECTIONS - RSA
- 29 TYPICAL SECTIONS - RSA EMBANKMENT

FORCE MAIN DRAWINGS

- FM-1 SITE PLAN
- FM-2 WELLHEAD PROTECTION PLAN
- FM-3 SEWER LINE PROFILES
- FM-4 DETAILS 1
- FM-5 DETAILS 2
- FM-6 NOTES 1
- FM-7 NOTES 2

INDEX OF EROSION CONTROL SHEETS

- EC-1 EXISTING CONDITIONS PLAN
- EC-2 SOIL CLASSIFICATIONS-RUNWAY SAFETY AREA
- EC-3 EROSION PROTECTION & SEDIMENT CONTROL PLAN
- EC-4 EROSION PROTECTION & SEDIMENT CONTROL DETAILS (1)
- EC-5 EROSION PROTECTION & SEDIMENT CONTROL DETAILS (2)
- EC-6 EROSION CONTROL NARRATIVE

**RECORD DRAWING
DECEMBER 27, 2013**

VAOT STANDARD DRAWINGS

- A-61 STANDARD TYPICAL FOR SLOPES IN SOLID ROCK EXCAVATION
DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
- A-76 STANDARDS FOR TOWN & DEVELOPMENT ROADS
- B-5 EMBANKMENT ON EARTH SLOPE
- B-11 METHODS OF SLOPE STABILIZATION
- B-12 SIDE ROAD INTERSECTION SHOWING DEPRESSED RAMP
- D-3 TREATED GUTTERS
- D-4 CORRUGATED PIPE END SECTION
- D-6 REINFORCED CONCRETE DROP INLET WITH GRATE FOR USE IN DITCHES
- D-15 PRECAST REINFORCED CONCRETE MANHOLE W/CAST IRON COVER
- D-16 REINFORCED CONCRETE PIPE END SECTION
- D-30 UNDERDRAIN CONSTRUCTION DETAILS
- D-33 REINFORCED CONCRETE STRAIGHT HEADWALL
- E-100 CONSTRUCTION APPROACH SIGNS
- E-100A SIDE ROAD CONSTRUCTION APPROACH SIGNS
- E-101 CONSTRUCTION SIGN DETAILS
- E-102 CONSTRUCTION SIGN DETAILS
- E-102A CONSTRUCTION SIGN DETAILS
- E-106 TRAFFIC CONTROL MISC. DETAILS
- E-107 DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS
- E-107A BREAKAWAY BARRICADE DETAILS
- E-110 MAJOR MAINTENANCE OPERATION LANE CLOSURE
- E-119 UTILITY WORK ZONE
- E-121 STANDARD SIGN PLACEMENT CONVENTIONAL ROAD
- E-123 GUIDE SIGN PLACEMENT MISC. DETAILS
- E-127 ROUTE MARKERS AT RURAL INTERSECTIONS
- E-136B STATE ROUTE MARKER SIGN DETAILS
- E-142 REGULATORY SIGN DETAILS
- E-143 REGULATORY SIGN DETAILS
- E-150 WARNING SIGN DETAILS
- E-164 SQUARE STEEL SIGN POST
- E-191 PAVEMENT MARKING DETAILS
- E-192 PAVEMENT MARKING DETAILS
- E-193 PAVEMENT MARKING DETAILS
- F-2 CHAIN LINK FENCE, DRIVE GATE, WALK GATE (TYPE 1)

AP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION											
URS <small>URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 (518) 688-0015</small>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT</td> <td style="width: 50%;">PLOT DATE: 12/30/2013</td> </tr> <tr> <td>PROJECT NUMBER: AV14-8008-300</td> <td>DRAWN BY: M. WASSON</td> </tr> <tr> <td>FILE NAME: z07h124 Index-RD.dgn</td> <td>CHECKED BY:</td> </tr> <tr> <td>DESIGNED BY: M. WASSON</td> <td>INDEX OF SHEETS</td> </tr> <tr> <td>INDEX OF SHEETS</td> <td>SHEET 2 OF 29</td> </tr> </table>	PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT	PLOT DATE: 12/30/2013	PROJECT NUMBER: AV14-8008-300	DRAWN BY: M. WASSON	FILE NAME: z07h124 Index-RD.dgn	CHECKED BY:	DESIGNED BY: M. WASSON	INDEX OF SHEETS	INDEX OF SHEETS	SHEET 2 OF 29
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QUANTITY SHEET

			TOTALS		DESCRIPTIONS				
PHASE I AIRPORT ROAD RELOCATION	PHASE II SEWER FORCE MAIN	PHASE III AIRPORT ROAD REPAVE	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	NOTES
2			3	3	ACRE	CLEARING & GRUBBING	201.11	1	
12454		25	13,000	9172.3	CY	COMMON EXCAVATION	203.15	521	
1735			2,000	6822	CY	SOLID ROCK EXCAVATION	203.16	265	
1120			1,150	1264.1	CY	SAND BORROW	203.31	30	SEE CHANGE ORDER #4
328		115	450	435.9	CY	TRENCH EXCAVATION OF EARTH	204.20	7	
65		37.5	120	641.8	CY	TRENCH EXCAVATION OF ROCK	204.21	17	
75			75	345.9	CY	GRANULAR BACKFILL FOR STRUCTURES	204.30		SEE CHANGE ORDER #4
3635			3,800	2957.8	SY	DRILLING AND BLASTING OF SOLID ROCK SUBGRADE	205.20	165	
1580			1,650	1602.5	CY	SUBBASE OF CRUSHED GRAVEL, COARSE	301.25	70	SEE CHANGE ORDER #4
		680	700	759.1	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	20	SEE CHANGE ORDER #4
690			700	694.4	TON	BITUMINOUS CONCRETE PAVEMENT (TYPE I)	406.25	10	
120		830	1,000	132.8	TON	BITUMINOUS CONCRETE PAVEMENT (TYPE II)	406.25	50	
290			300	1195.96	TON	BITUMINOUS CONCRETE PAVEMENT (TYPE III)	406.25	10	
		280	300	288.91	TON	BITUMINOUS CONCRETE PAVEMENT (TYPE IV)	406.25	20	
1032			1,050	516	LB	REINFORCING STEEL	507.11	18	
6			6	7.86	CY	CONCRETE, CLASS B	541.25		
6			6	6	LF	24" DIA. RCP, CLASS III	601.0825		
88			100	94	LF	24" DIA. CPEP (SL)	601.2620	12	
491			500	494	EA	30" DIA CPEP (SL)	601.2625	9	
6		14	20	7	LF	36" DIA. CPEP	601.2630		
1			1	1	EA	24" DIA. CPEPES	601.7024		
100			100	0	LF	CLEANING CULV. PIPE, IN-PLACE (0 TO 24 IN., INCL.)	601.995		
2			2	2	EA	PRECAST REINFORCED CONCRETE DROP INLET WITH CAST IRON GRATE	604.18		
1			1	1	EA	PRECAST REINFORCED CONCRETE MANHOLE WITH CAST IRON COVER	604.21		
		300	300	200	LF	6" DIA. UNDERDRAIN	605.10		
		1	1	1	EA	6" DIA. UNDERDRAIN FLUSHING BASIN	605.95		
40			40	38	HOURL	ROADWAY PATROL MAINTENANCE	607.10		
100			100	86	HOURL	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25		
105			105	6.5	MGAL	DUST CONTROL WITH WATER	609.10		
485		25	500	86.5	CY	STONE FILL, TYPE I	613.10	26	
2750			2,800	1558	LF	CHAIN LINK FENCE (8')	620.13	50	
			0		LF	GATE FOR CHAIN-LINK FENCE (8')	620.17		REMOVED FROM CONTRACT
20			20	30	EA	BRACING ASSEMBLY FOR CHAIN LINK FENCE (8')	620.22		
1130			1,150	1142	LF	REMOVAL OF EXISTING FENCES	620.55	20	
1			1	0	EA	MANUFACTURED TERMINAL SECTION, FLARED	621.50		NOT USED
1			1	0	EA	MANUFACTURED TERMINAL SECTION, TANGENT	621.51		NOT USED
763			800	0	LF	TEMPORARY TRAFFIC BARRIER	621.90	37	NOT USED
60			60	120	LF	SLEEVES FOR UTILITIES	625.10		
	250		250	0	LF	DRILLED OR DRIVEN WELL	626.15		DELETED BY CHANGE ORDER #7
	50		50	0	LF	WELL CASING PIPE	626.20		DELETED BY CHANGE ORDER #7
	50		50	0	LF	GROUTING OF WELL CASING PIPE	626.22		DELETED BY CHANGE ORDER #7
	4		4	0	HOURL	PUMP TEST FOR YIELD	626.30		DELETED BY CHANGE ORDER #7
	1		1	0	LS	SUBMERSIBLE PUMP SYSTEM	627.25		DELETED BY CHANGE ORDER #7
	150		150	0	LF	PLASTIC WATER PIPE FLEXIBLE	629.32		DELETED BY CHANGE ORDER #7
450			500	377	HOURL	FLAGGERS	630.15	50	
1			1	1	LS	FIELD OFFICE, ENGINEERS	631.10		
1			1	1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17		
3			3,000	201	DL	FIELD OFFICE TELEPHONE	631.26		
1			1	1	LS	MOBILIZATION/DEMobilIZATION	635.11		

▲ NOTE: CHANGE ORDER #4 ALLOWS THE USE OF DENSE GRADED CRUSHED STONE IN LIEU OF SAND BORROW, GRANULAR BACKFILL FOR STRUCTURES, AND COARSE GRADED CRUSHED STONE

**RECORD DRAWING
DECEMBER 27, 2013**

▲ RECORD DRAWING AP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

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PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
CLARENDON, VERMONT
PROJECT NUMBER: AV14-8008-300
FILE NAME: z07h124qs-RD.dgn
PROJECT LEADER: F. WALSH
DESIGNED BY: M. WASSON
QUANTITY SHEET - 1
PLOT DATE: 12/30/2013
DRAWN BY: M. WASSON
CHECKED BY:
SHEET 3 OF 29

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase 1\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124qs-RD.dgn

AP 3-50-0015-34

QUANTITY SHEET

			TOTALS		DESCRIPTIONS				
PHASE I AIRPORT ROAD RELOCATION	PHASE II SEWER FORCE MAIN	PHASE III AIRPORT ROAD REPAVE	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	NOTES
1			1	1	LS	TRAFFIC CONTROL	641.10		
4100			4,200	4285	LF	4" WHITE LINE	646.20	100	
3950			4,000	3698	LF	4" YELLOW LINE	646.21	50	
20			20	21	LF	24" STOP BAR	646.26		
11			11	11	EA	LETTER OR SYMBOL	646.30		
2400			2,500	2184	LF	TEMPORARY 4" WHITE LINE	646.600	100	
2400			2,500	2184	LF	TEMPORARY 4" YELLOW LINE	646.610	100	
3200			3,500	2965	SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85	300	
134			150	0	SF	PAVEMENT MARKING MASK	646.86	16	NOT USED
133			150	0	SY	GEOTEXTILE FOR ROADBED SEPARATOR	649.11	17	NOT USED
695		25	800	341	SY	GEOTEXTILE UNDER STONE FILL	649.31	80	
136			150	166	SY	GEOTEXTILE FOR SILT FENCE	649.51	14	
167		26	230	192	LB	SEED	651.15	37	
1189		186	1,600	964	LB	FERTILIZER	651.18	225	
4.8		0.7	6	3.835	TON	AGRICULTURAL LIMESTONE	651.20	0.8	
4.8		0.7	6	10.385	TON	HAY MULCH	651.25	0.8	
1392		8	1,500	885.2	CY	TOPSOIL	651.35	100	
2442			2,600	4021	SY	TEMPORARY EROSION MATTING	653.20	158	
5814			6,000	2747	SY	PERMANENT EROSION MATTING	653.21	186	
50			50	78.3	CY	VEHICLE TRACKING PAD	653.35		
1599			1,600	1014	LF	PROJECT DEMARCATION FENCE	653.55	1	
100			100	153	LF	EROSION LOG	653.60		
40			40	43.15	SF	TRAFFIC SIGN, TYPE A	675.20		
188			200	176.5	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	12	
7			7	12	EA	REMOVING SIGNS	675.50		
3			3	5	EA	ERECTING SALVAGED SIGNS	675.60		
1			1	1	LS	TEMPORARY CONSTRUCTION ITEMS	M-10-5.1		
0.3			0.3	0.29	ACRE	CLEARING	P-151-4.1		
	1		1	1	LS	INSTALLATION OF SANITARY SEWER SYSTEM AND FORCEMAIN	W-100-4.1		
CHANGE ORDER #1			400	255.1	CY	COMMON EXCAVATION	203.15		
PAVE FBO PARKING LOT			300	207.5	CY	SUBBASE OF CRUSHED GRAVEL, COARSE	301.25		
			60	0	TON	BITUMINOUS CONCRETE PAVEMENT (TYPE I)	406.25		
			0	54.36	TON	BITUMINOUS CONCRETE PAVEMENT (TYPE II)	406.25		
			60	54.34	TON	BITUMINOUS CONCRETE PAVEMENT (TYPE III)	406.25		
			5	10	LB	SEED	651.15		
			0	0.06	TON	HAY MULCH	651.25		
			10	10	CY	TOPSOIL	651.35		
CHANGE ORDER #2			6	6	EA	CHANGE ELEVATION OF DROP INLETS	604.40		ADDED
CHANGE ORDER #3			1	1	LS	INSTALLATION OF ADDITIONAL MANHOLES AND EFFLUENT FILTER	W-100-4.2		ADDED
CHANGE ORDER #5			1	1	LS	PAVE/REPAIR TRENCH UNDER GATE BY CAP BUILDING	N/A		ADDED
CHANGE ORDER #6			1	1	LS	REMOVAL OF TIRES	201.11		ADDED
CHANGE ORDER #9			8,800	8496	LF	4" YELLOW LINE	646.21		ADDED
CHANGE ORDER #11			250	445	LF	DRILLED OR DRIVEN WELL	626.15		
			50	80	LF	WELL CASING PIPE	626.20		
			50	70	LF	GROUTING OF WELL CASING PIPE	626.22		
			4	4	HR	PUMP TEST FOR YIELD	626.30		
			1	1	LS	SUBMERSIBLE PUMP SYSTEM	627.25		
			150	150	LF	PLASTIC WATER PIPE FLEXIBLE	629.32		
			1	1	LS	REMOBILIZATION	635.11		ADDED

△ RECORD DRAWING

AP 3-50-0015-34

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VERMONT AGENCY OF TRANSPORTATION



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FILE NAME: z07h124qs-RD.dgn	CHECKED BY:
PROJECT LEADER: F. WALSH	SHEET 4 OF 29
DESIGNED BY: M. WASSON	
QUANTITY SHEET - 2	

AP 3-50-0015-34

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RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT

RUNWAY 19 SAFETY AREA EXPANSION

DRAINAGE QUANTITY SPREADSHEET

PHASE	ITEM #	STRUCTURE	LOCATION		QUANTITY	SIZE (IN)	MATERIAL	SLOPE	INV. OUT	DS. INV. IN
ROADWAY	604.18	DI 2	3+69	26' LT.	1 EACH				△723.71	723.0
ROADWAY	601.2620		30' △	50' △	94 LF △	24	CPEP	2.00%		
ROADWAY	601.7024	CPEPES	4+28	47' RT.	1 EACH	24			723.0	
ROADWAY	613.10	SF TYP I	4+28	47' RT.	6.2 CY △					
ROADWAY	604.18	DI 1	8+47	69' LT.	1 EACH				△690.65	△684.9 685.1
ROADWAY	601.2625				172 LF △	30	CPEP		△684.9 685.1	
ROADWAY	601.2625		9+48	102' LT.	75 LF	30	CPEP	0.50%	△686.63	△685.67
ROADWAY	601.21	MH 1	8+82	80' LT	1 EACH				△685.67	△684.9 685.3
ROADWAY	601.2625				175 LF	30	CPEP	0.43%		
ROADWAY	541.25	HW	159+81	202' RT.	1 EACH				684.0	
ROADWAY	601.0825		159+81	202' RT.	6 LF	24	RCP	23.30%	684.0	△682.69

**RECORD DRAWING
DECEMBER 27, 2013**

TEMPORARY SEDIMENTATION BASIN GALV STEEL △

PHASE	ITEM #	STRUCTURE	QUANTITY	SIZE (IN)	MATERIAL	SLOPE	INV. OUT	DS. INV. IN
ROADWAY	601.2630	STAND PIPE & RISER	7 LF △	36	CPEP		687.0	684.5
ROADWAY	601.2625		72 LF △	30	CPEP	0.40%	684.5	684.0
ROADWAY	613.1	SF TYP I	13.3 CY △					

SUMMARY

ITEM	DESCRIPTION	QUANTITY	UNIT
541.25	HEADWALL	1	EACH
601.0825	24" RCP	6	LF
601.21	MH	1	EACH
601.2620	24" CPEP	94	LF
601.2625	30" CPEP	494	LF
601.2630	36" CPEP	7	LF
601.7024	24" CPEPES	1	EACH
604.18	DI	2	EACH
613.10	SF TYP 1	19.5	CY

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VERMONT AGENCY OF TRANSPORTATION

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(518) 688-0015

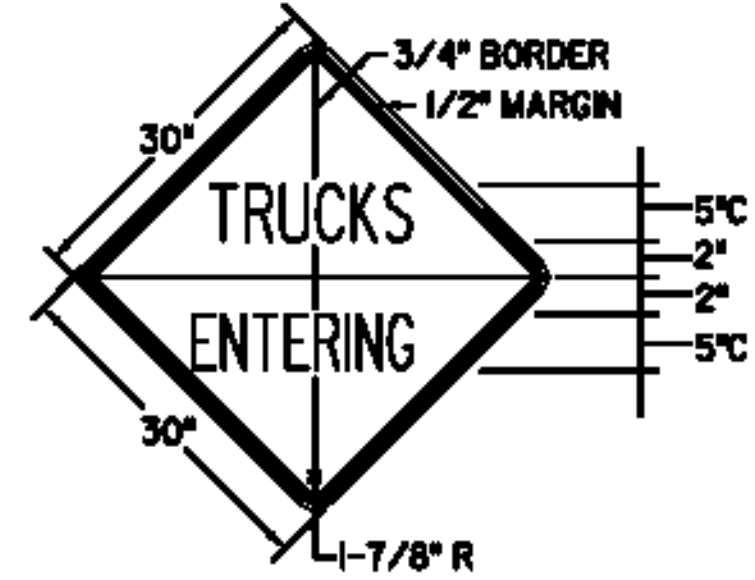
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CLARENDON, VERMONT
PROJECT NUMBER: AV14-8008-300
FILE NAME: z07h124ds-RD.dgn
PROJECT LEADER: F. WALSH
DESIGNED BY: G. D'AMICO
DRAINAGE SHEET
PLOT DATE: 12/30/2013
DRAWN BY: M. KEMP
CHECKED BY:
SHEET 5 OF 29

PROJECT DESCRIPTION

- (1) RE-LOCATE A PORTION AIRPORT ROAD (28' X 760')
- (2) REPAVE A PORTION OF AIRPORT ROAD (20' X 4100')
- (3) INSTALL NEW UNDERGROUND SEWER FORCEMAIN.

NOTES

- 1. TRUCK ENTERING SIGNS TO BE PLACED ON ROUTE 103 AND ROUTE 7B APPROXIMATELY 150' AND 75' FROM THE CONTRACTOR'S ENTRANCE ONTO AIRPORT ROAD IN EACH DIRECTION. SIGNS TO BE PLACED AT LEAST 8' OFF THE EDGE OF PAVEMENT.
- 2. ALL SALVAGABLE TIMBER FROM CLEARING AND GRUBBING OPERATIONS IS TO BE CUT IN 8' LENGTHS AND STACKED ON THE PROJECT SITE. CONTACT DENIS LINCOLN, VT FORESTS AND PARKS AT 802-786-3855 TO ARRANGE PICKUP.
- 3. ALL BUSH, TOPS, STUMPS, AND NON-SALVAGABLE TIMBER FROM CLEARING OR CLEARING AND GRUBBING OPERATIONS WILL BE REMOVED TO AN APPROVED WASTE FACILITY. WASTE TIMBER SHALL NOT BE BURNED ON THE AIRFIELD.



COLORS

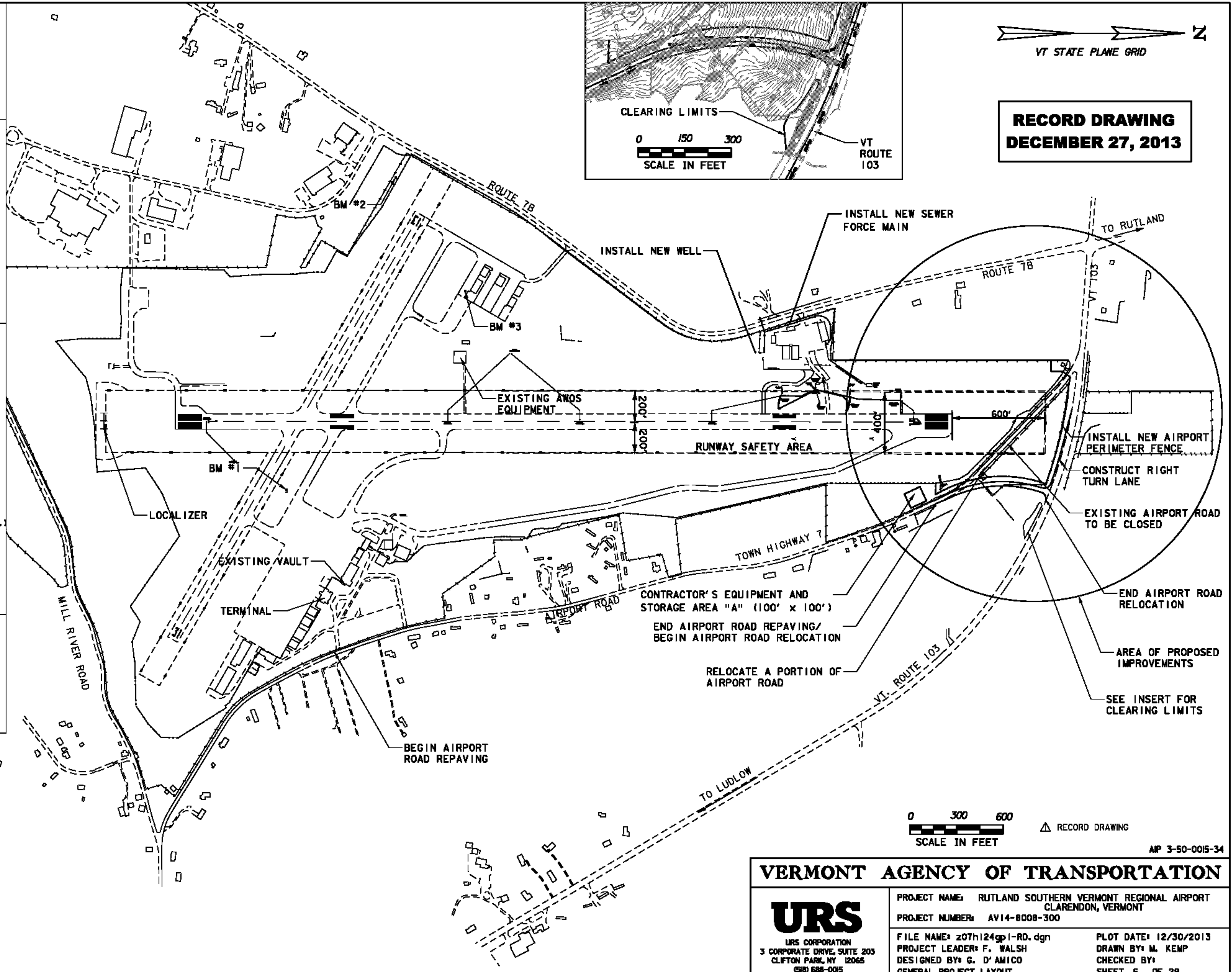
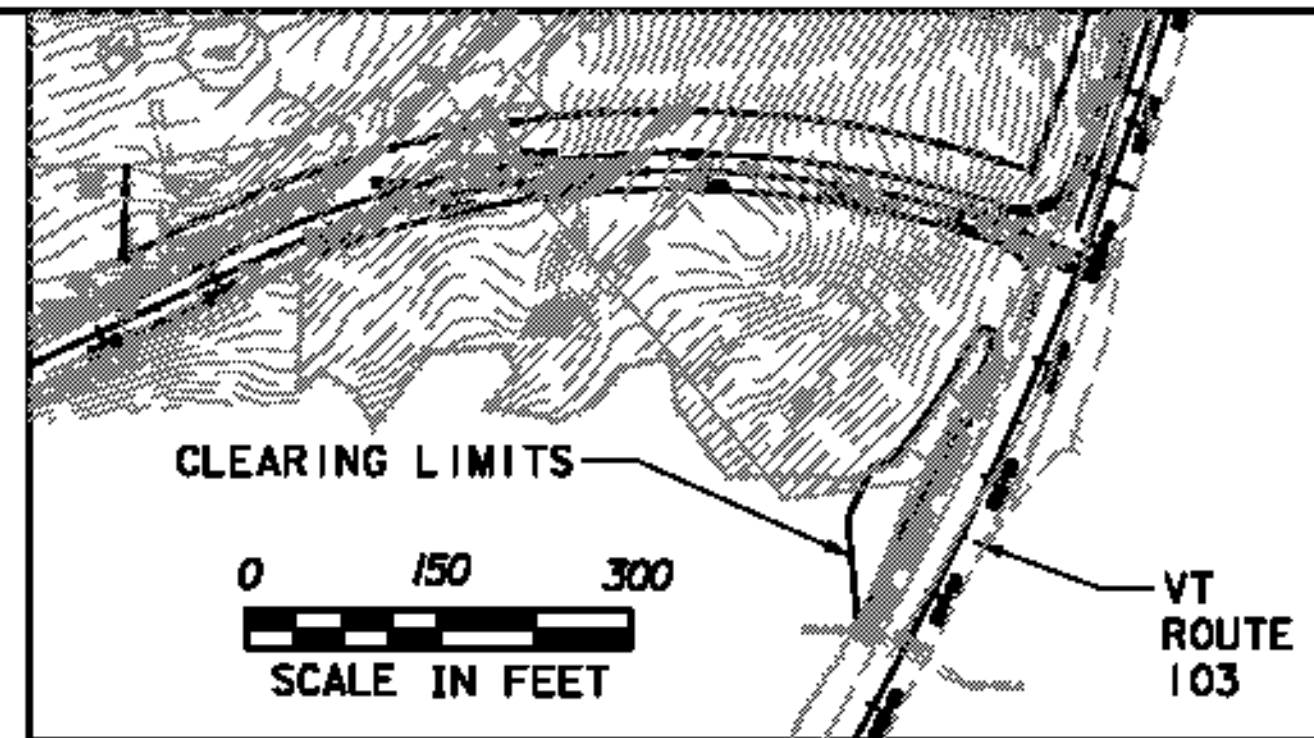
- TEXT & BORDER - BLACK (NON-REFLECT.)
- BACKGROUND - YELLOW (REFLECT.)
- ORANGE
- E-121 STANDARD SIGN PLACEMENT
- E-100 CONSTRUCTION APPROACH SIGNS

TRUCKS ENTERING WARNING SIGN

- BENCHMARK #1 DISK 650N, 1979
374614.055N, 1521821.098E
ELEVATION 782.54
- BENCHMARK #2 DISK 805, 1987
378552.73N, 1520976.989E
ELEVATION 773.79
- BENCHMARK #3 R.R. SPIKE IN PAVEMENT
375740.432N, 1520334.989E
ELEVATION 780.22



**RECORD DRAWING
DECEMBER 27, 2013**



RECORD DRAWING

MP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

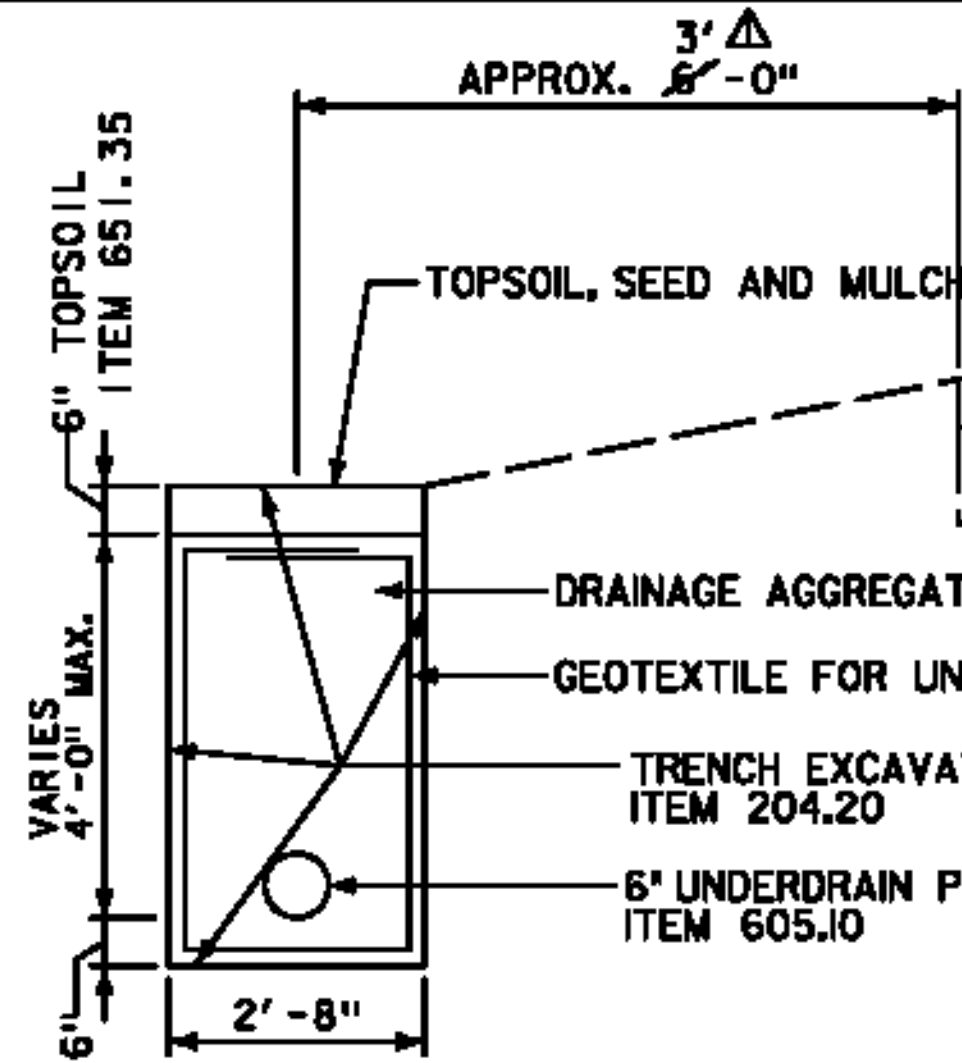
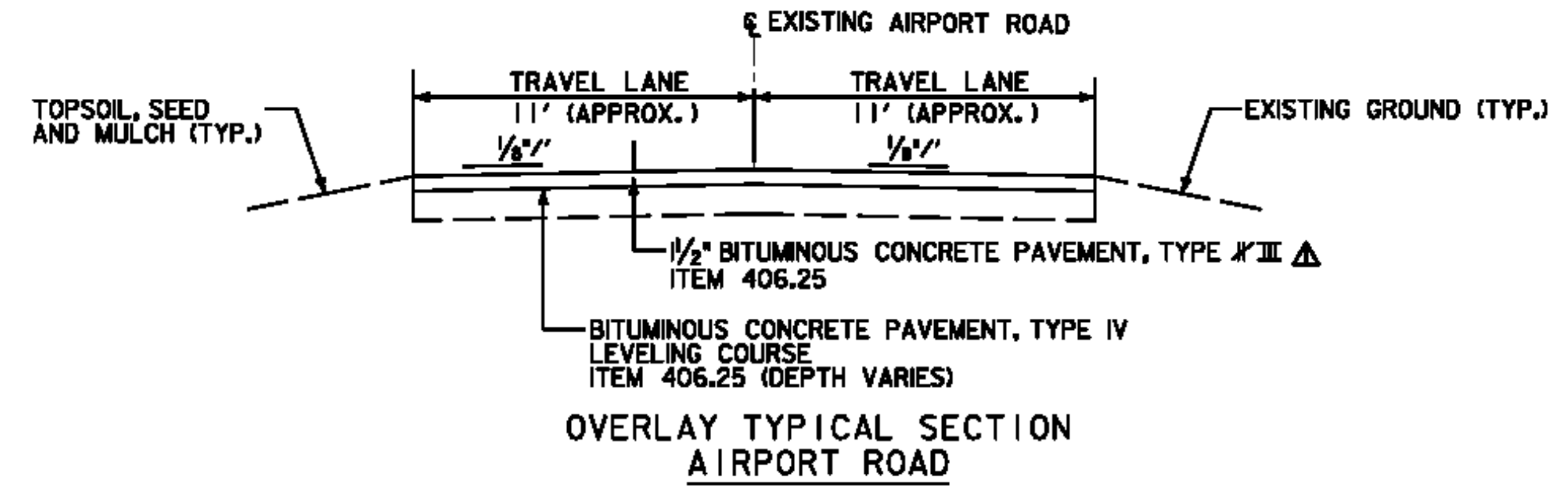


PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
CLARENDON, VERMONT
PROJECT NUMBER: AV14-8008-300
FILE NAME: z07h124gp1-RD.dgn
PLOT DATE: 12/30/2013
PROJECT LEADER: F. WALSH
DRAWN BY: M. KEMP
DESIGNED BY: G. D'AMICO
CHECKED BY:
GENERAL PROJECT LAYOUT
SHEET 6 OF 29

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase \6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124gp1-RD.dgn

NOTES:

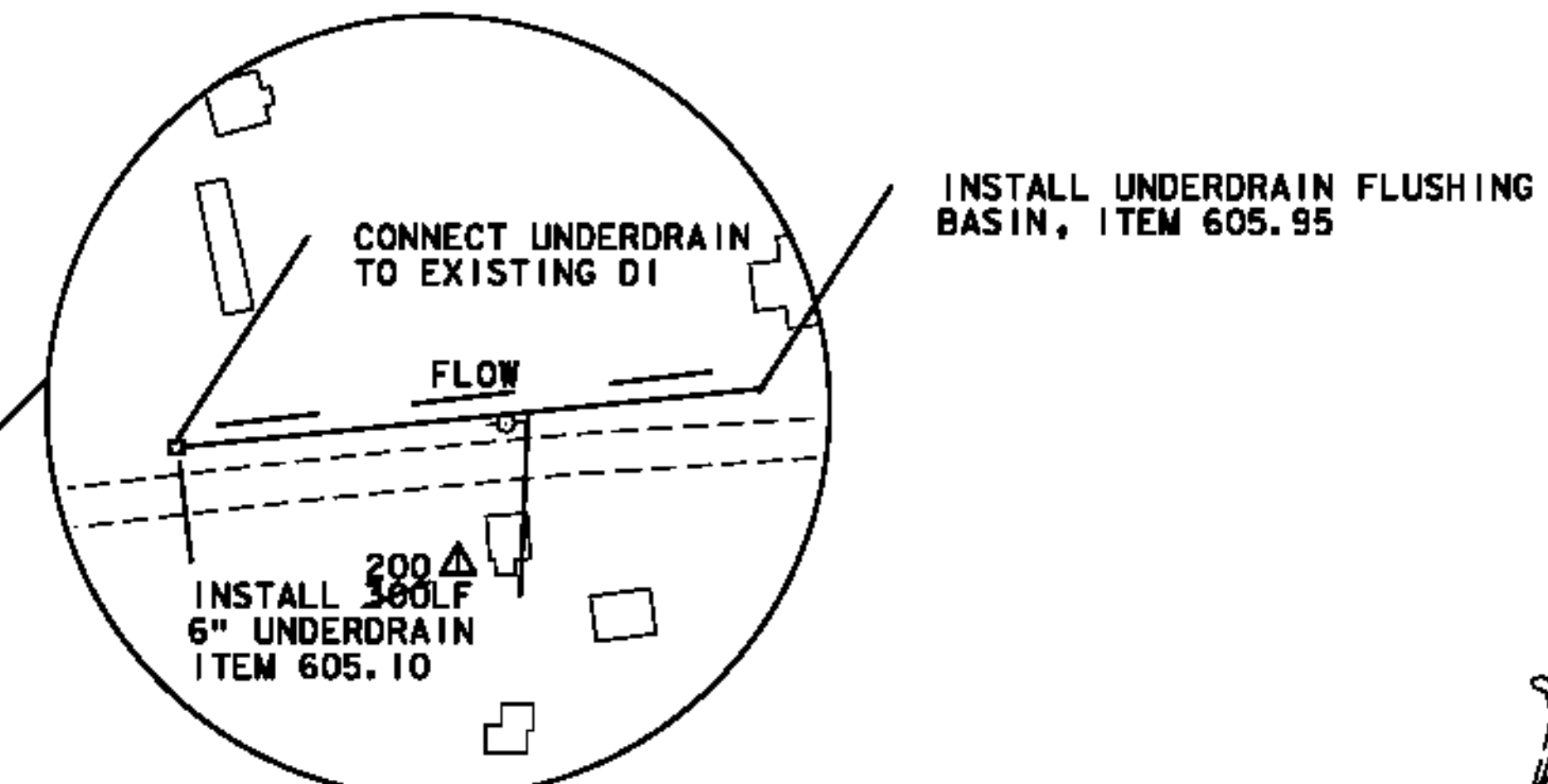
1. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE SOUTHERN END TIE-IN TO AIRPORT ROAD AND AT ALL PAVED DRIVEWAYS AS DIRECTED BY THE RESIDENT ENGINEER. SAWCUTTING WILL NOT BE PAID FOR SEPARATELY BUT WILL BE PAID INCIDENTAL TO OTHER ITEMS.
2. A QUANTITY OF ITEM 204.21 "TRENCH EXCAVATION OF ROCK" HAS BEEN INCLUDED IN THE EVENT THAT LEDGE IS ENCOUNTERED DURING THE INSTALLATION OF UNDERDRAIN. NONE ENCOUNTERED
3. ITEM 653.60 "EROSION LOG" SHALL BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.



NOTES:

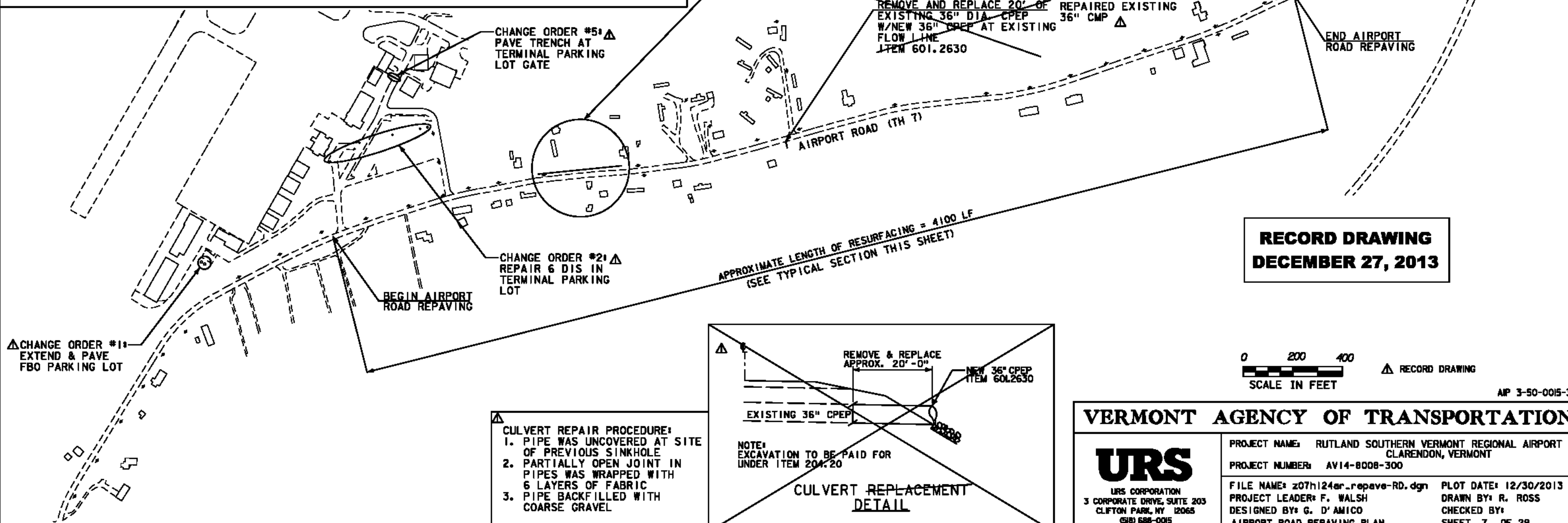
- 1) DRAINAGE AGGREGATE SHALL MEET THE REQUIREMENTS OF SECTION 704.16.
- 2) DRAINAGE AGGREGATE AND GEOTEXTILE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 605.10.
- 3) COST FOR CONNECTING THE UNDERDRAIN TO THE EXISTING DI IS INCIDENTAL TO ITEM 605.10.
- 4) GEOTEXTILE SHALL BE INSTALLED AS SHOWN IN THE DETAIL WITH A MINIMUM LAP OF 1 FOOT.

UNDERDRAIN DETAIL

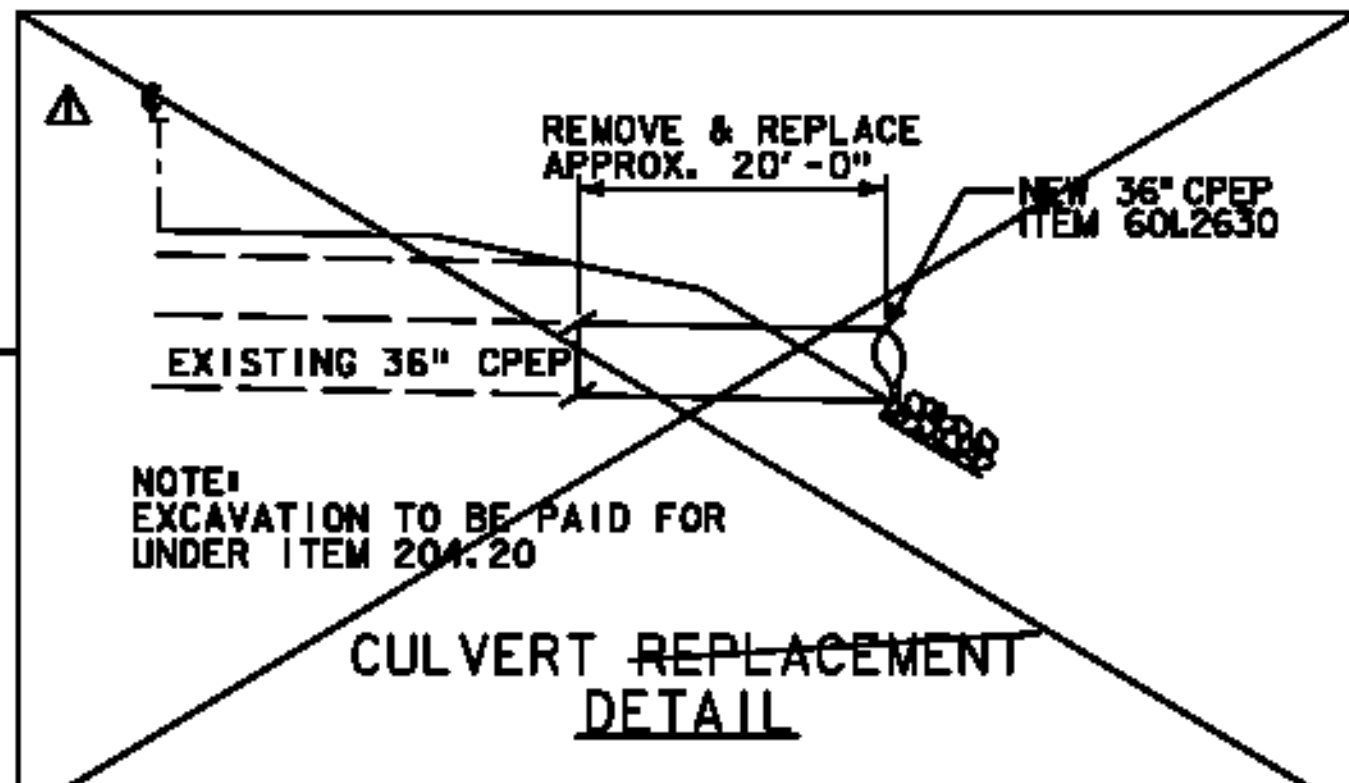


REMOVE AND REPLACE 20' OF EXISTING 36" DIA. CPEP W/NEW 36" CPEP AT EXISTING FLOW LINE ITEM 601.2630

REPAIRED EXISTING 36" CMP



**RECORD DRAWING
DECEMBER 27, 2013**



CULVERT REPAIR PROCEDURE:

1. PIPE WAS UNCOVERED AT SITE OF PREVIOUS SINKHOLE
2. PARTIALLY OPEN JOINT IN PIPES WAS WRAPPED WITH 6 LAYERS OF FABRIC
3. PIPE BACKFILLED WITH COARSE GRAVEL

VERMONT AGENCY OF TRANSPORTATION

URS
URS CORPORATION
3 CORPORATE DRIVE, SUITE 203
CLIFTON PARK, NY 12065
GSI 688-0015

PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
CLARENDON, VERMONT
PROJECT NUMBER: AV14-8008-300
FILE NAME: z07h124ar_repave-RD.dgn
PROJECT LEADER: F. WALSH
DESIGNED BY: G. D'AMICO
AIRPORT ROAD REPAVING PLAN
PLOT DATE: 12/30/2013
DRAWN BY: R. ROSS
CHECKED BY:
SHEET 7 OF 29

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase 1\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124ar_repave-RD.dgn

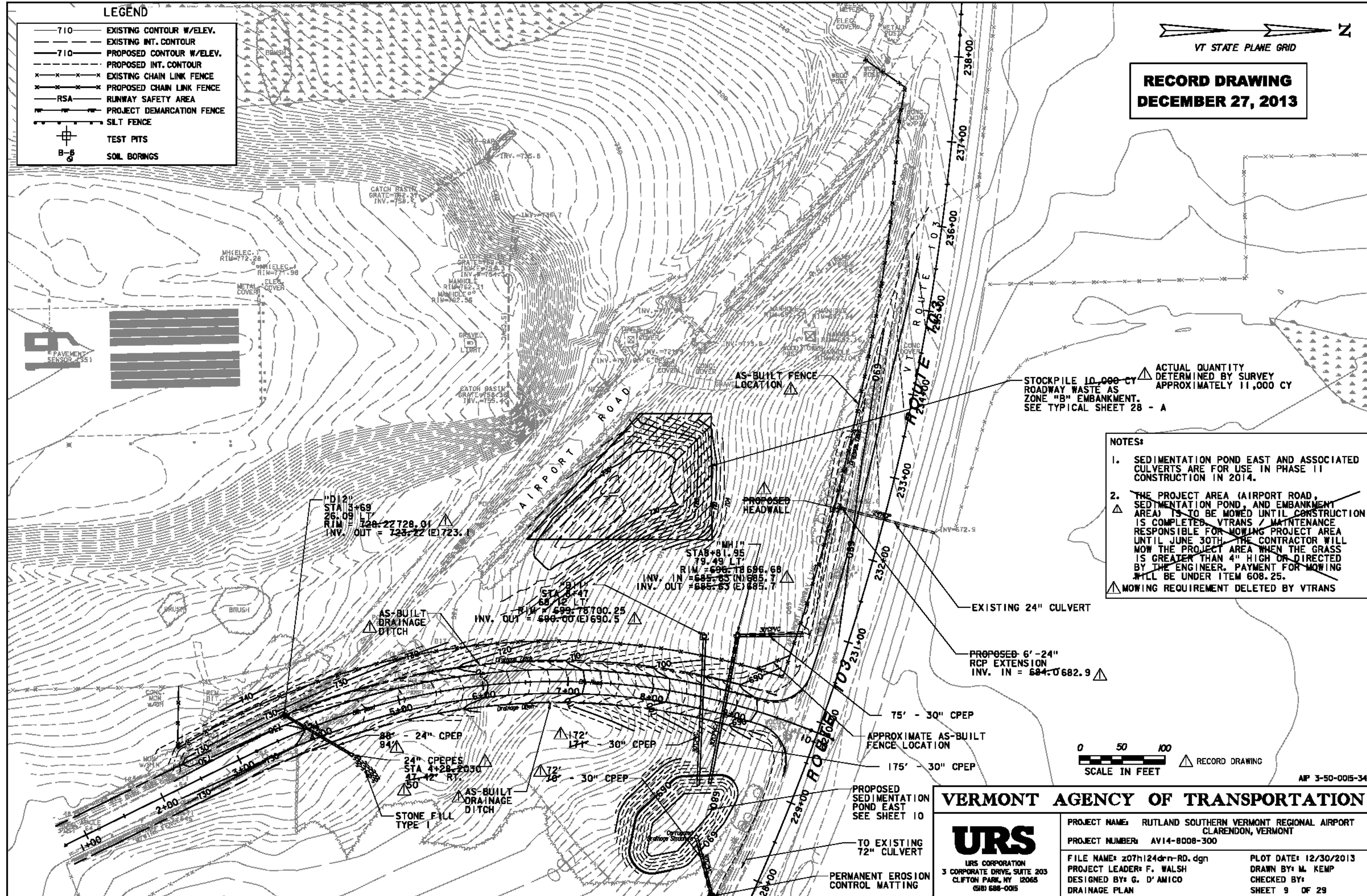
12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase 1\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\207h124drn-RD.dgn

LEGEND

- 710 — EXISTING CONTOUR W/ELEV.
- - - EXISTING INT. CONTOUR
- 710 — PROPOSED CONTOUR W/ELEV.
- - - PROPOSED INT. CONTOUR
- x-x-x-x EXISTING CHAIN LINK FENCE
- x-x-x-x PROPOSED CHAIN LINK FENCE
- - - RSA RUNWAY SAFETY AREA
- - - PROJECT DEMARCATION FENCE
- - - SILT FENCE
- ⊕ TEST PITS
- ⊕ B-6 SOIL BORINGS



**RECORD DRAWING
DECEMBER 27, 2013**



STOCKPILE 10,000 CY ROADWAY WASTE AS ZONE "B" EMBANKMENT. SEE TYPICAL SHEET 28 - A

ACTUAL QUANTITY DETERMINED BY SURVEY APPROXIMATELY 11,000 CY

- NOTES:**
1. SEDIMENTATION POND EAST AND ASSOCIATED CULVERTS ARE FOR USE IN PHASE II CONSTRUCTION IN 2014.
 2. THE PROJECT AREA (AIRPORT ROAD, SEDIMENTATION POND, AND EMBANKMENT AREA) IS TO BE MOWED UNTIL CONSTRUCTION IS COMPLETED. VTRANS / MAINTENANCE RESPONSIBLE FOR MOWING PROJECT AREA UNTIL JUNE 30TH. THE CONTRACTOR WILL MOW THE PROJECT AREA WHEN THE GRASS IS GREATER THAN 4" HIGH OR DIRECTED BY THE ENGINEER. PAYMENT FOR MOWING WILL BE UNDER ITEM 608.25.
- ▲ MOWING REQUIREMENT DELETED BY VTRANS



RECORD DRAWING

AP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

URS
URS CORPORATION
3 CORPORATE DRIVE, SUITE 203
CLIFTON PARK, NY 12065
GRI 688-0015

PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
CLARENDON, VERMONT

PROJECT NUMBER: AV14-8008-300

FILE NAME: 207h124drn-RD.dgn
PROJECT LEADER: F. WALSH
DESIGNED BY: G. D'AMICO
DRAINAGE PLAN

PLOT DATE: 12/30/2013
DRAWN BY: M. KEMP
CHECKED BY:
SHEET 9 OF 29

PROPOSED 6'-24" RCP EXTENSION
INV. IN = 684.0682.9 ▲

75' - 30" CPEP

APPROXIMATE AS-BUILT FENCE LOCATION

175' - 30" CPEP

PROPOSED SEDIMENTATION POND EAST
SEE SHEET 10

TO EXISTING 72" CULVERT

PERMANENT EROSION CONTROL MATTING

"D12"
STA 3+69
RIM = 728.22728.01 ▲
INV. OUT = 728.22 (E) 723.1

"MH1"
STA 8+1.95
RIM = 688.78696.68 ▲
INV. IN = 688.63 (N) 685.1
INV. OUT = 685.63 (E) 685.7

"PB11"
STA 4+47
RIM = 699.78700.25 ▲
INV. OUT = 699.00 (E) 690.5

24" CPEPES
STA 4+28.2030
47.42' RT
50

AS-BUILT DRAINAGE DITCH

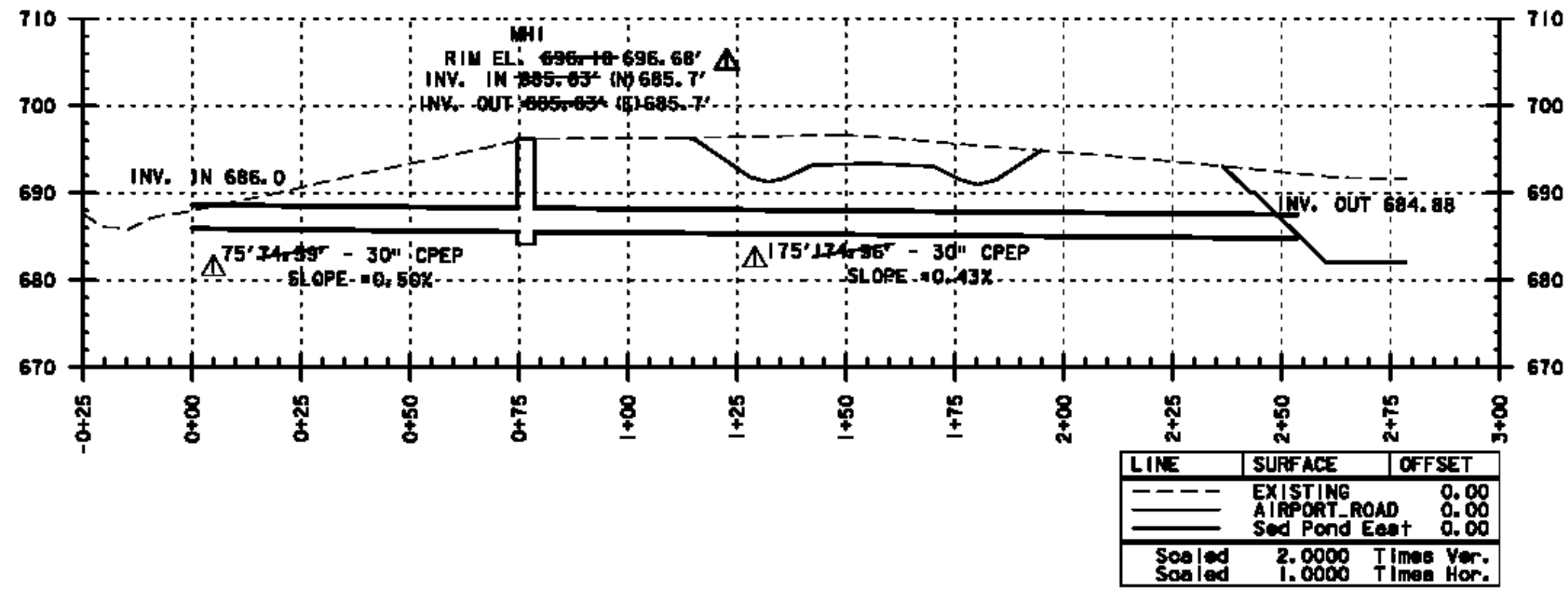
STONE FILL TYPE I

72' 17" 30" CPEP

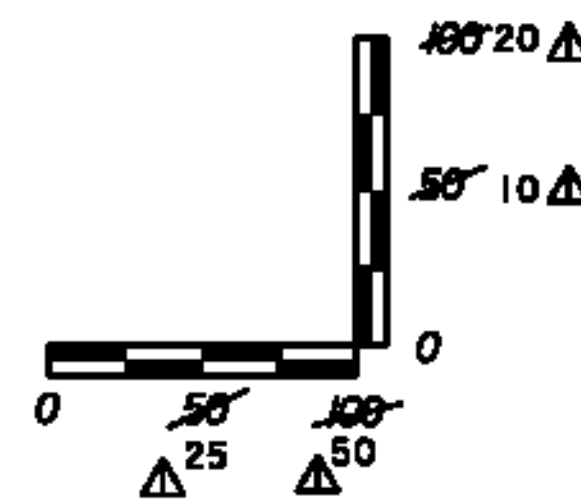
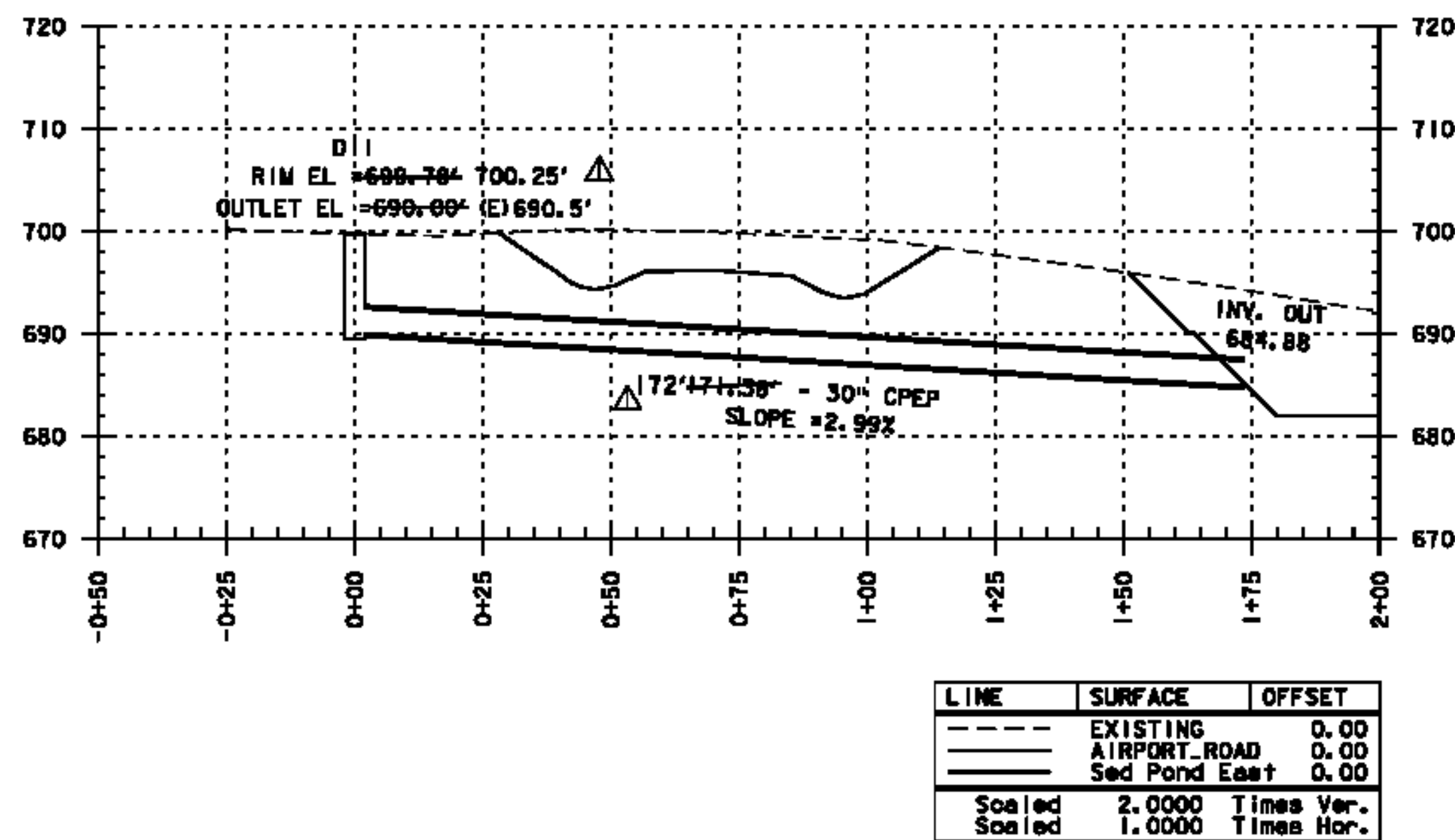
72' 16" 30" CPEP

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase \6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\207h124pro.drn-RD.dgn

ROADSIDE DITCH TO SEDIMENTATION BASIN EAST

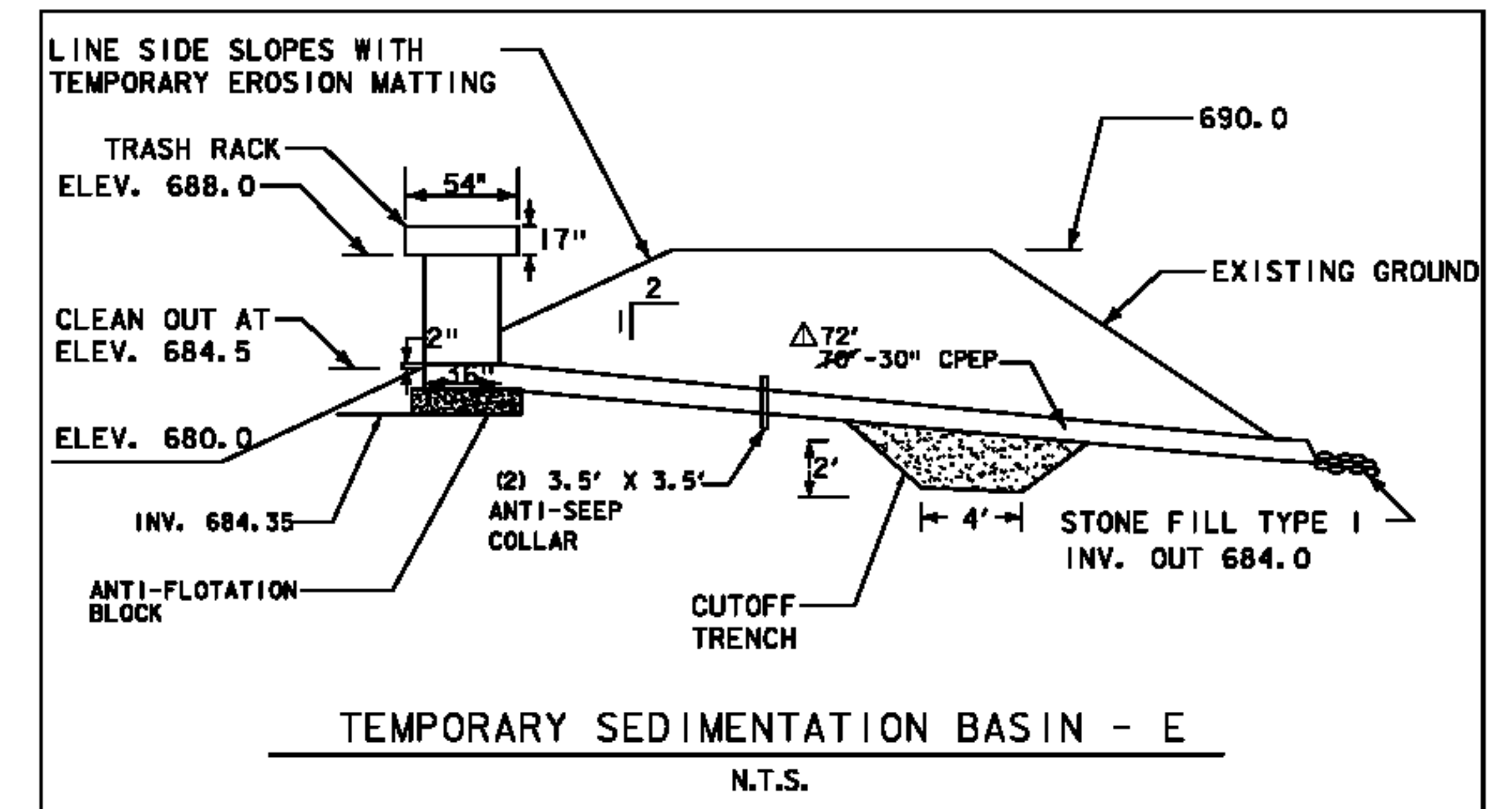


TEMPORARY AIRPORT ROAD CULVERT



**RECORD DRAWING
DECEMBER 27, 2013**

SEDIMENTATION BASIN EAST



NOTES:

SEDIMENTATION BASIN SIZE IS BASED ON 10 YEAR STORM.

CONTRACTOR TO MAINTAIN SIDE SLOPES NO STEEPER THAN 3:1 UNTIL GRADE IS TEMPORARILY OR PERMANENTLY STABILIZED.

TRASH RACK SHALL BE CONSTRUCTED BASED ON FIGURE 5.17, CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE, IN VERMONT STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION AND SEDIMENT CONTROL MANUAL.

TRASH RACKS WILL BE PAID FOR AS 2 LF OF 36" CPEP

ANTI-FLOTATION BLOCK AND ANTI-SEEP COLLAR ARE INCIDENTAL TO PIPE ITEMS

SEDIMENTATION BASIN WILL BE STABILIZED BEFORE OCTOBER 15TH.

PAYMENT FOR REMOVING SILT FROM SED PONDS TO BE PAID FOR UNDER ITEM P-156-5.3

△ RECORD DRAWING

AMP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

URS

URS CORPORATION
3 CORPORATE DRIVE, SUITE 203
CLIFTON PARK, NY 12065
(518) 688-0015

PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
CLARENDON, VERMONT

PROJECT NUMBER: AV14-8008-300

FILE NAME: z07h124pro.drn-RD.dgn

PROJECT LEADER: F. WALSH

DESIGNED BY: G. D'AMICO

DRAINAGE DETAILS

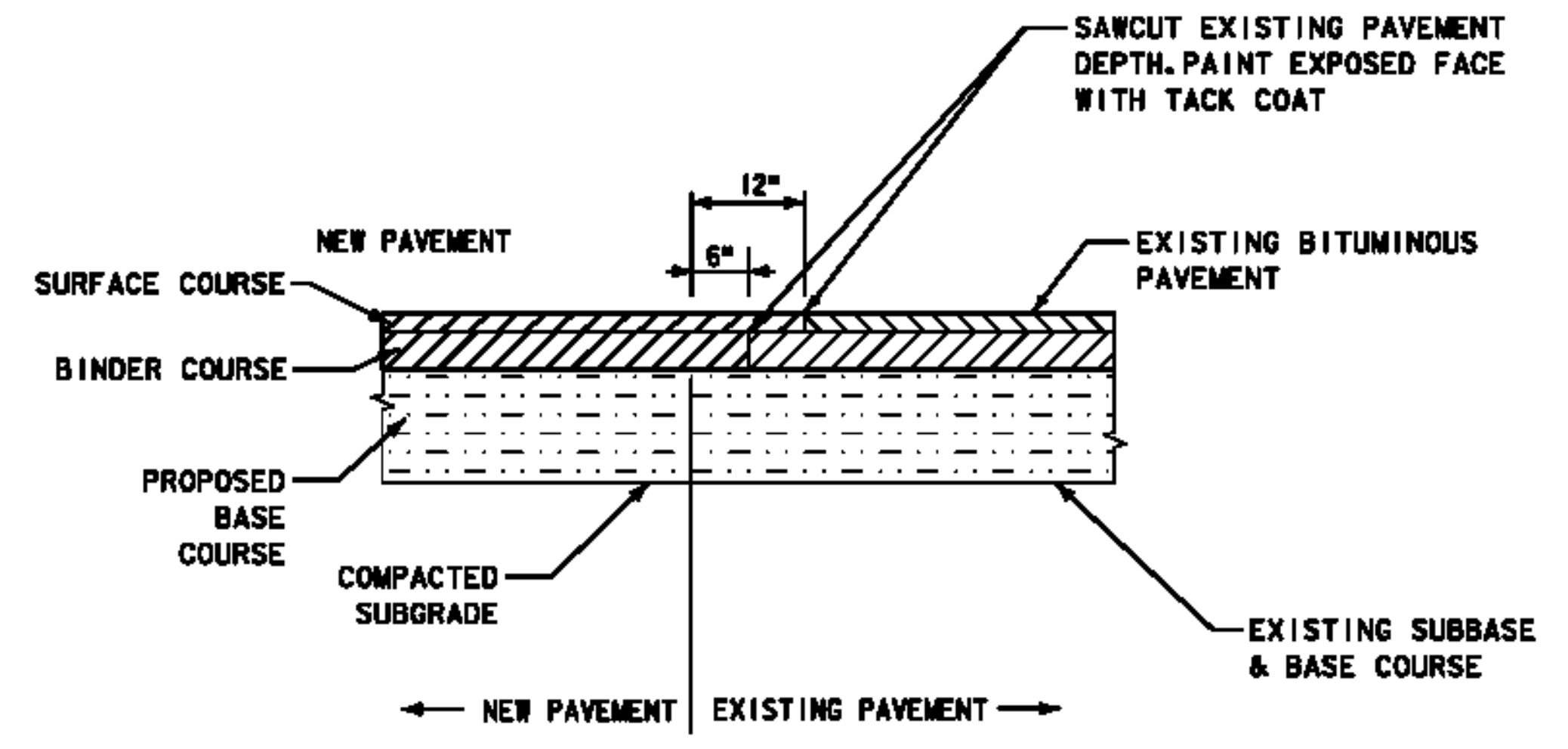
PLOT DATE: 12/30/2013

DRAWN BY: M. KEMP

CHECKED BY:

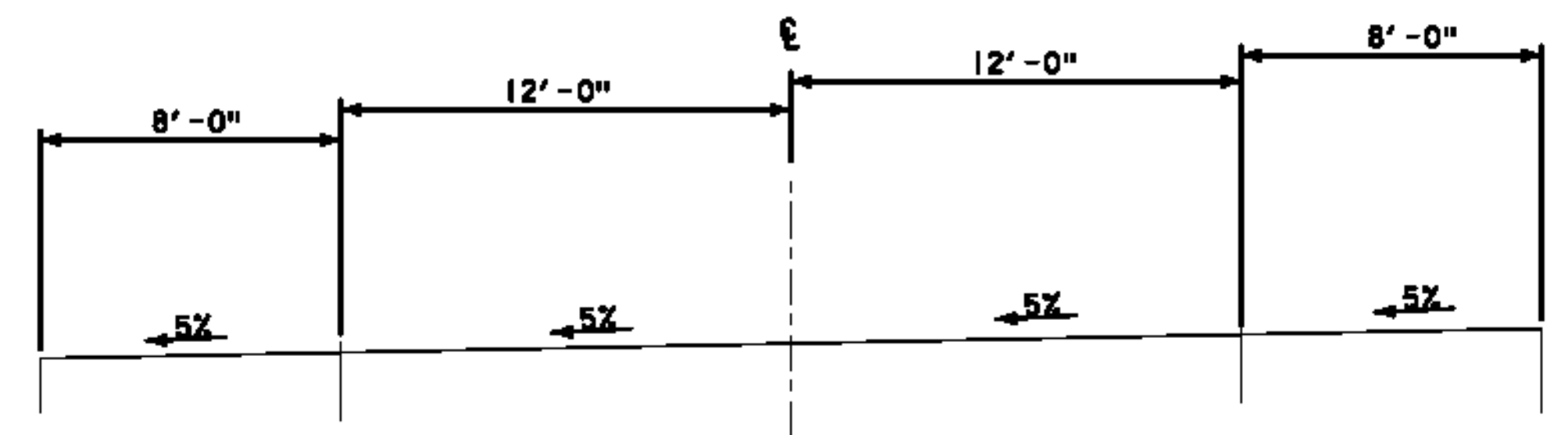
SHEET 10 OF 29

**RECORD DRAWING
DECEMBER 27, 2013**

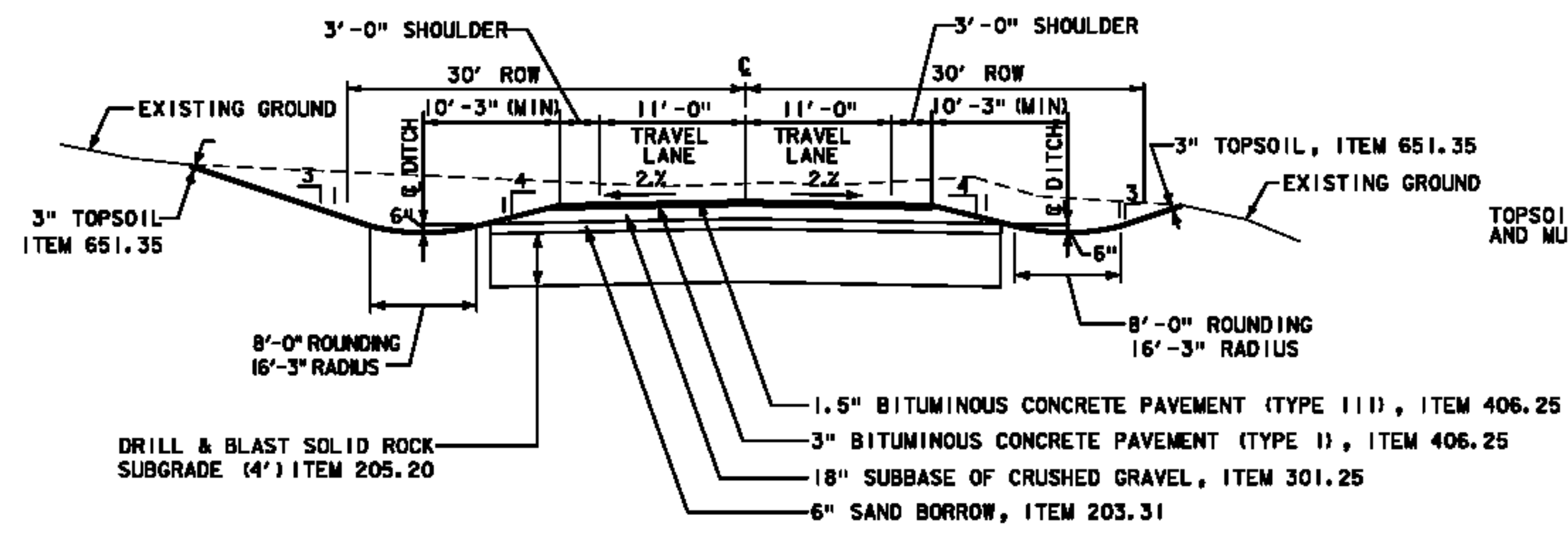


NOTE:
THE COST OF THE PAVEMENT SAWCUT AND TACKCOAT ARE NOT A SEPARATE PAY ITEM. IT IS CONSIDERED AS INCIDENTAL TO THE OTHER ITEMS OF WORK.

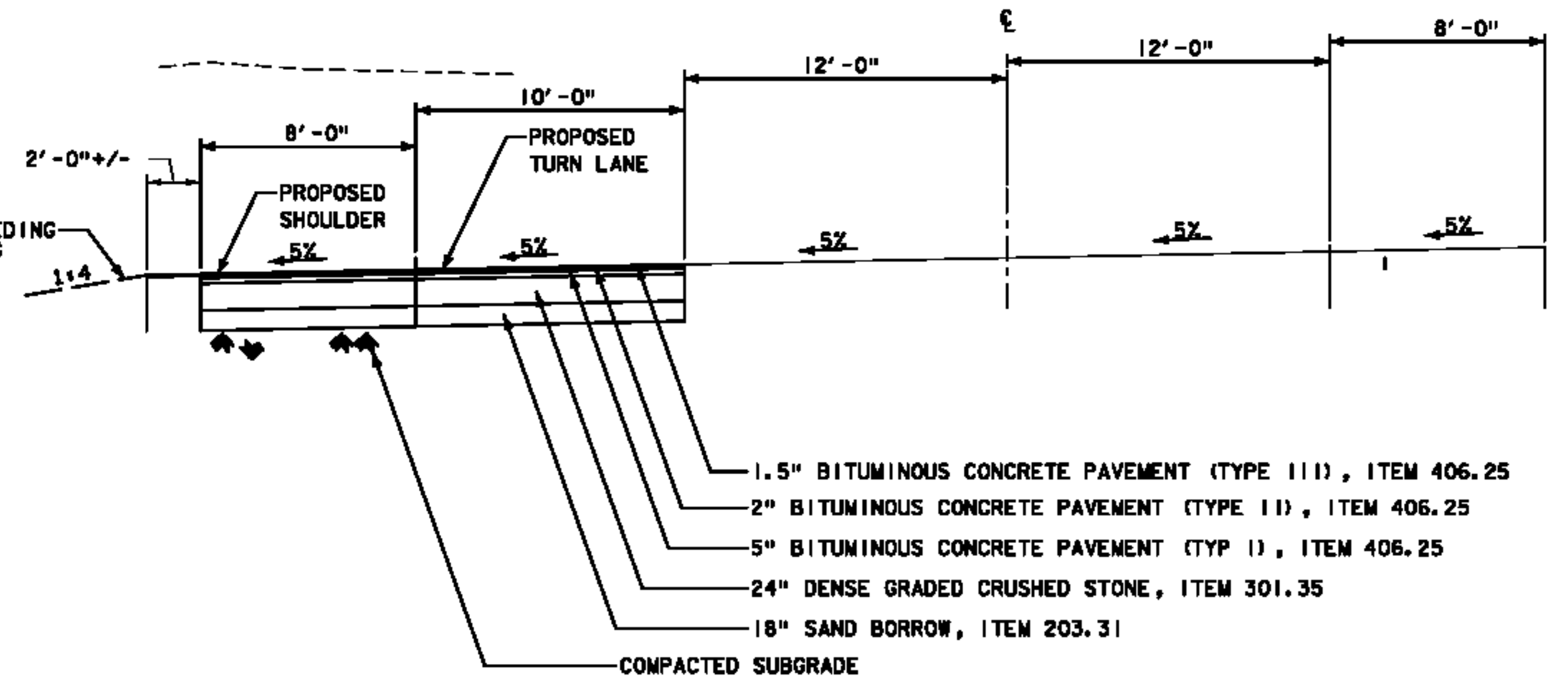
(A) BUTT JOINT DETAIL
NOT TO SCALE



(C) EXISTING VT ROUTE 103
NOT TO SCALE



(B) AIRPORT ROAD (RELOCATED)
NOT TO SCALE



(D) PROPOSED VT ROUTE 103
NOT TO SCALE

GENERAL NOTES

- SEED, ITEM 651.15, SHALL BE APPLIED AS DIRECTED BY ENGINEER. THE SEED MIXTURE SHALL CONFORM TO:

X WT	LBS / A	NAME	PUR %	GERM
20	14	TALL FESCUE 06-30	95	85
10	7	PERENNIAL RYE GRASS	95	85
1	7	MEDIUM RED CLOVER	95	85
2	2	EMPIRE BIRD'S FOOT TREFOL	95	85
22	15	CLIMAX TIMOTHY	95	85
25	17	CREEPING RED FESCUE	95	85
10	7	ANNUAL RYE	95	85
10	7	ORCHARD GRASS	95	85
100	70			

THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS WEED SEED.
- FERTILIZER, ITEM 651.18 FORMULA 10-20-10 TO BE USED WITH SEED. ITEM 651.18, APPLIED AT THE RATE OF 500 LBS / ACRE.
AGRICULTURAL LIMESTONE, ITEM 651.20, TO BE APPLIED AT THE RATE OF 2 TONS / ACRE OR AS DIRECTED BY ENGINEER.
MAY MULCH, ITEM 651.25, SHALL BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TON/ACRE.
TOPSOIL, ITEM 651.35, TO BE USED WITH SEED. ITEM 651.15, AS DIRECTED BY THE ENGINEER.
- PERMANENT EROSION CONTROL MATTING, ITEM 653.21, SHALL BE PLACED ON SLOPES OVER 5% WHEN DIRECTED BY THE ENGINEER.
- ALLOWABLE THICKNESS TOLERANCES:

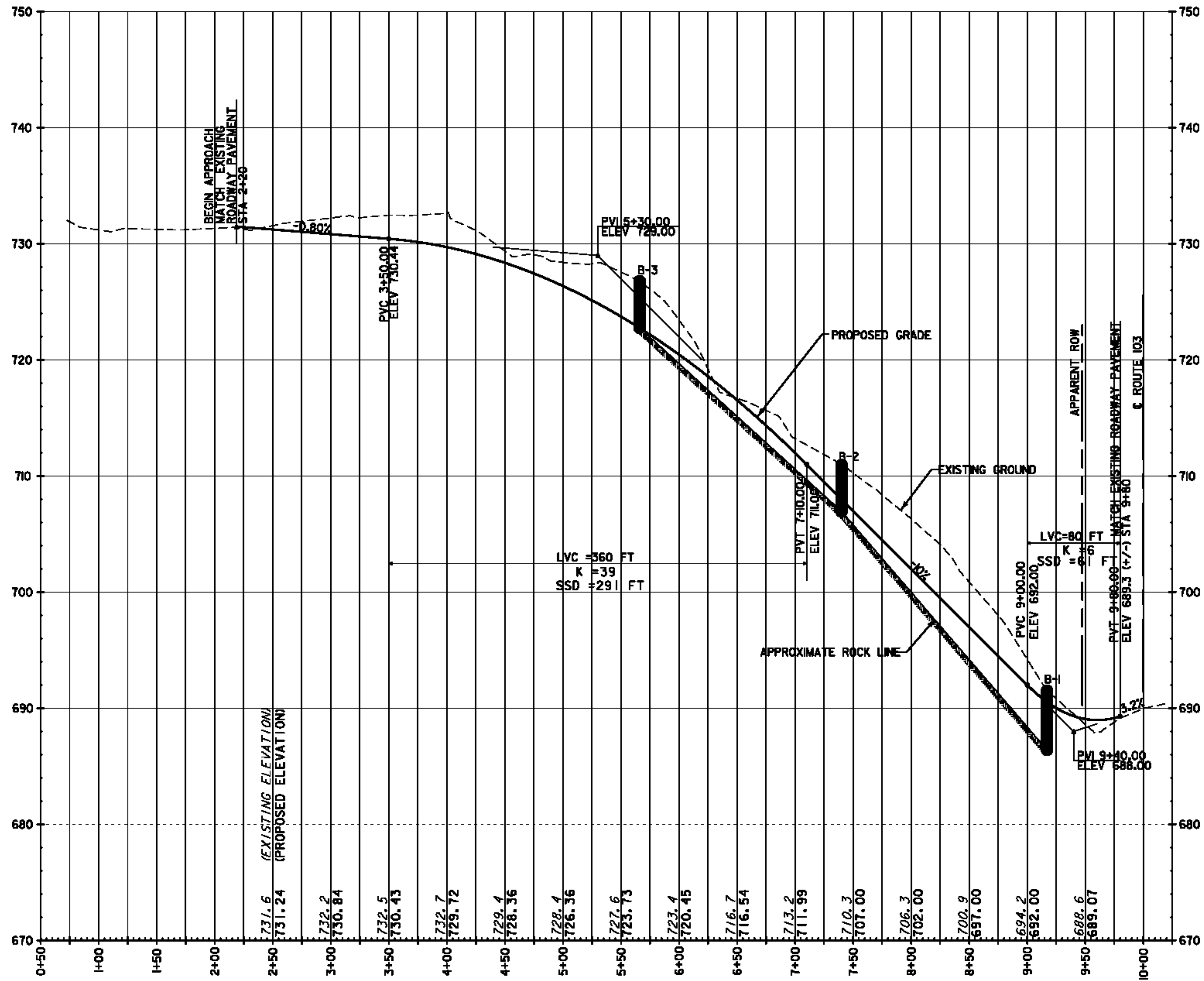
SUBGRADE	± 1/2"
CONTROLLED MATERIAL	± 1/4"
PAVEMENT	± 3/8"
BASE COURSE	± 1/2"
- PAY LIMITS FOR SEED, LIME, FERTILIZER & MULCH ARE EQUAL TO THE APPROVED CONSTRUCTION LIMITS.

AMP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION	
URS URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 GRI 688-0015	PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT PROJECT NUMBER: AV14-8008-300
	FILE NAME: z07h124typ_road-RD.dgn PROJECT LEADER: F. WALSH DESIGNED BY: G. D'AMICO TYPICAL SECTIONS-ROADWAY

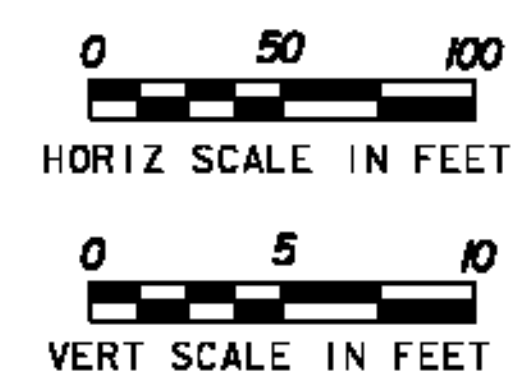
12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase \6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124typ_road-RD.dgn

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase 1\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124pro_road-rd.dgn



**RECORD DRAWING
DECEMBER 27, 2013**

NOTES:
BORINGS B-1, B-2, B-3 WERE RECORDED BY
GEODESIGN, INC., ON JULY 20, 2009.
SEE BORING LOGS ON SHEET 35 OF 65.

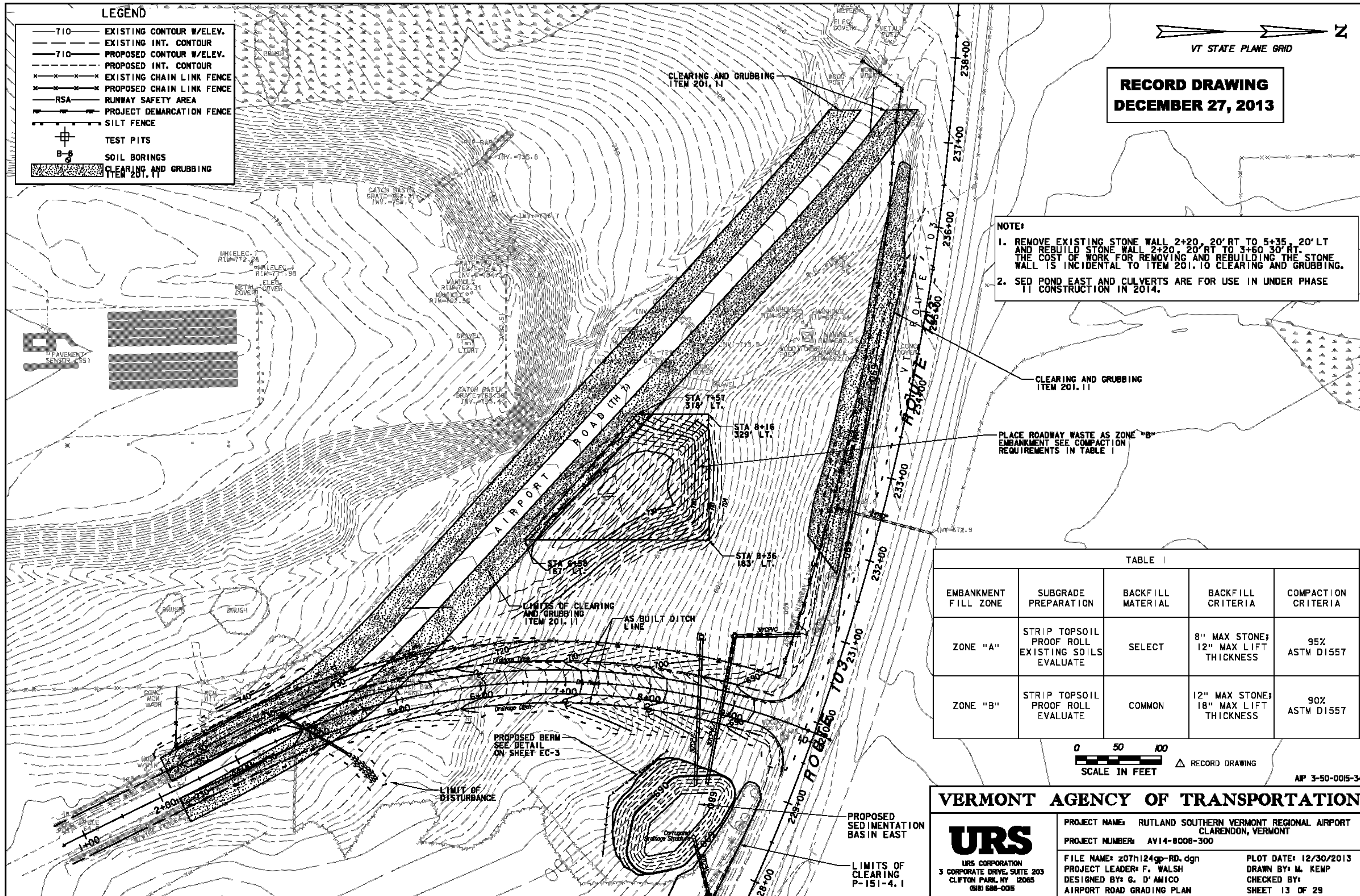


AP 3-50-0015-34

AIRPORT ACCESS ROAD (RELOCATED)

VERMONT AGENCY OF TRANSPORTATION	
URS	
URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 (518) 688-0015	
PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT PROJECT NUMBER: AV14-8008-300	FILE NAME: z07h124pro_road-rd.dgn PROJECT LEADER: F. WALSH DESIGNED BY: A. JOHNSON AIRPORT ROAD-PROFILE
PLOT DATE: 12/30/2013 DRAWN BY: J. RICHARDS CHECKED BY:	SHEET 12 OF 29

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\207h124gp-RD.dgn



LEGEND

- 710 — EXISTING CONTOUR W/ELEV.
- - - - - EXISTING INT. CONTOUR
- 710 — PROPOSED CONTOUR W/ELEV.
- - - - - PROPOSED INT. CONTOUR
- x x x x EXISTING CHAIN LINK FENCE
- x x x x PROPOSED CHAIN LINK FENCE
- RSA — RUNWAY SAFETY AREA
- P — PROJECT DEMARCATION FENCE
- S — SILT FENCE
- ⊕ TEST PITS
- B-8 SOIL BORINGS
- ▨ CLEARING AND GRUBBING ITEM 201.11



**RECORD DRAWING
DECEMBER 27, 2013**

NOTE:
1. REMOVE EXISTING STONE WALL 2+20, 20' RT TO 5+35, 20' LT AND REBUILD STONE WALL 2+20, 20' RT TO 3+60 30' RT. THE COST OF WORK FOR REMOVING AND REBUILDING THE STONE WALL IS INCIDENTAL TO ITEM 201.10 CLEARING AND GRUBBING.
2. SED POND EAST AND CULVERTS ARE FOR USE IN UNDER PHASE II CONSTRUCTION IN 2014.

CLEARING AND GRUBBING ITEM 201.11
PLACE ROADWAY WASTE AS ZONE "B" EMBANKMENT SEE COMPACTION REQUIREMENTS IN TABLE I

TABLE I

EMBANKMENT FILL ZONE	SUBGRADE PREPARATION	BACKFILL MATERIAL	BACKFILL CRITERIA	COMPACTION CRITERIA
ZONE "A"	STRIP TOPSOIL PROOF ROLL EXISTING SOILS EVALUATE	SELECT	8" MAX STONE; 12" MAX LIFT THICKNESS	95% ASTM D1557
ZONE "B"	STRIP TOPSOIL PROOF ROLL EVALUATE	COMMON	12" MAX STONE; 18" MAX LIFT THICKNESS	90% ASTM D1557

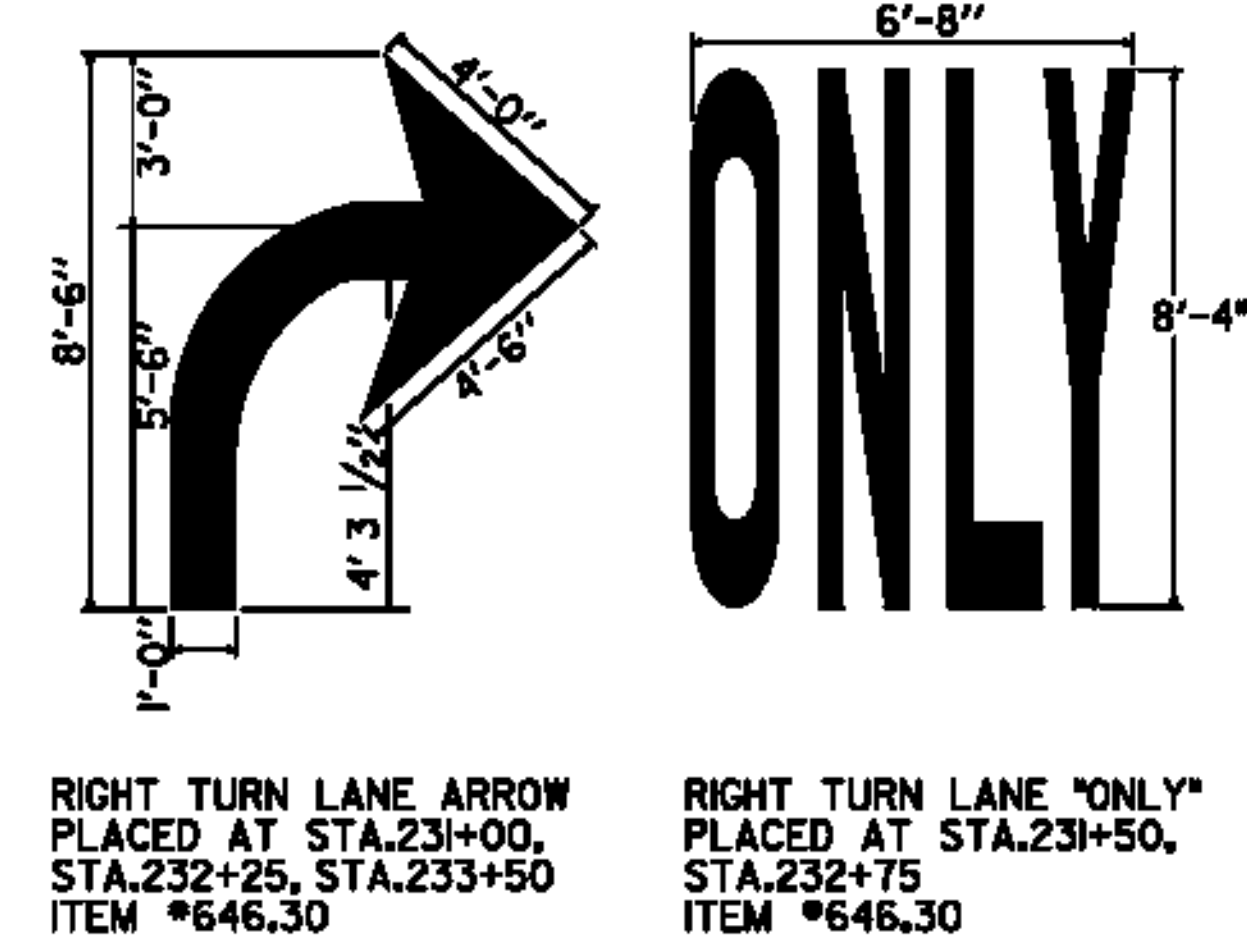
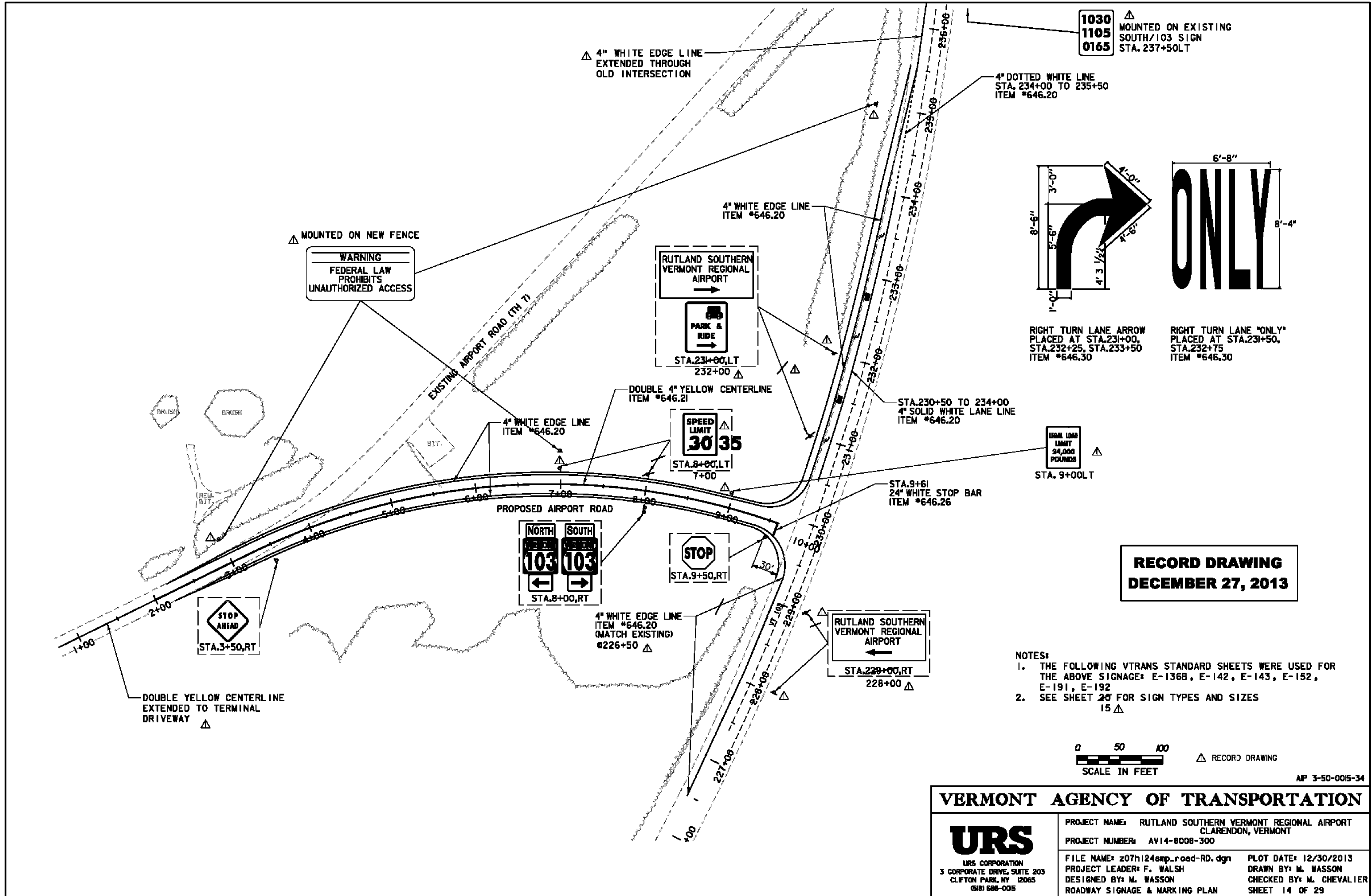


AMP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

 URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 (518) 688-0015	PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT PROJECT NUMBER: AV14-8008-300
	FILE NAME: 207h124gp-RD.dgn PROJECT LEADER: F. WALSH DESIGNED BY: G. D'AMICO AIRPORT ROAD GRADING PLAN
	PLOT DATE: 12/30/2013 DRAWN BY: M. KEMP CHECKED BY: SHEET 13 OF 29

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase 1\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124mp_road-RD.dgn



RIGHT TURN LANE ARROW
PLACED AT STA. 231+00,
STA. 232+25, STA. 233+50
ITEM #646.30

RIGHT TURN LANE "ONLY"
PLACED AT STA. 231+50,
STA. 232+75
ITEM #646.30

**RECORD DRAWING
DECEMBER 27, 2013**

- NOTES:
1. THE FOLLOWING VTRANS STANDARD SHEETS WERE USED FOR THE ABOVE SIGNAGE: E-136B, E-142, E-143, E-152, E-191, E-192
 2. SEE SHEET 20 FOR SIGN TYPES AND SIZES 15



RECORD DRAWING

MP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

URS
URS CORPORATION
3 CORPORATE DRIVE, SUITE 203
CLIFTON PARK, NY 12065
(518) 688-0015

PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
CLARENDON, VERMONT
PROJECT NUMBER: AV14-8008-300
FILE NAME: z07h124mp_road-RD.dgn
PLOT DATE: 12/30/2013
PROJECT LEADER: F. WALSH
DESIGNED BY: M. WASSON
ROADWAY SIGNAGE & MARKING PLAN
DRAWN BY: M. WASSON
CHECKED BY: M. CHEVALIER
SHEET 14 OF 29

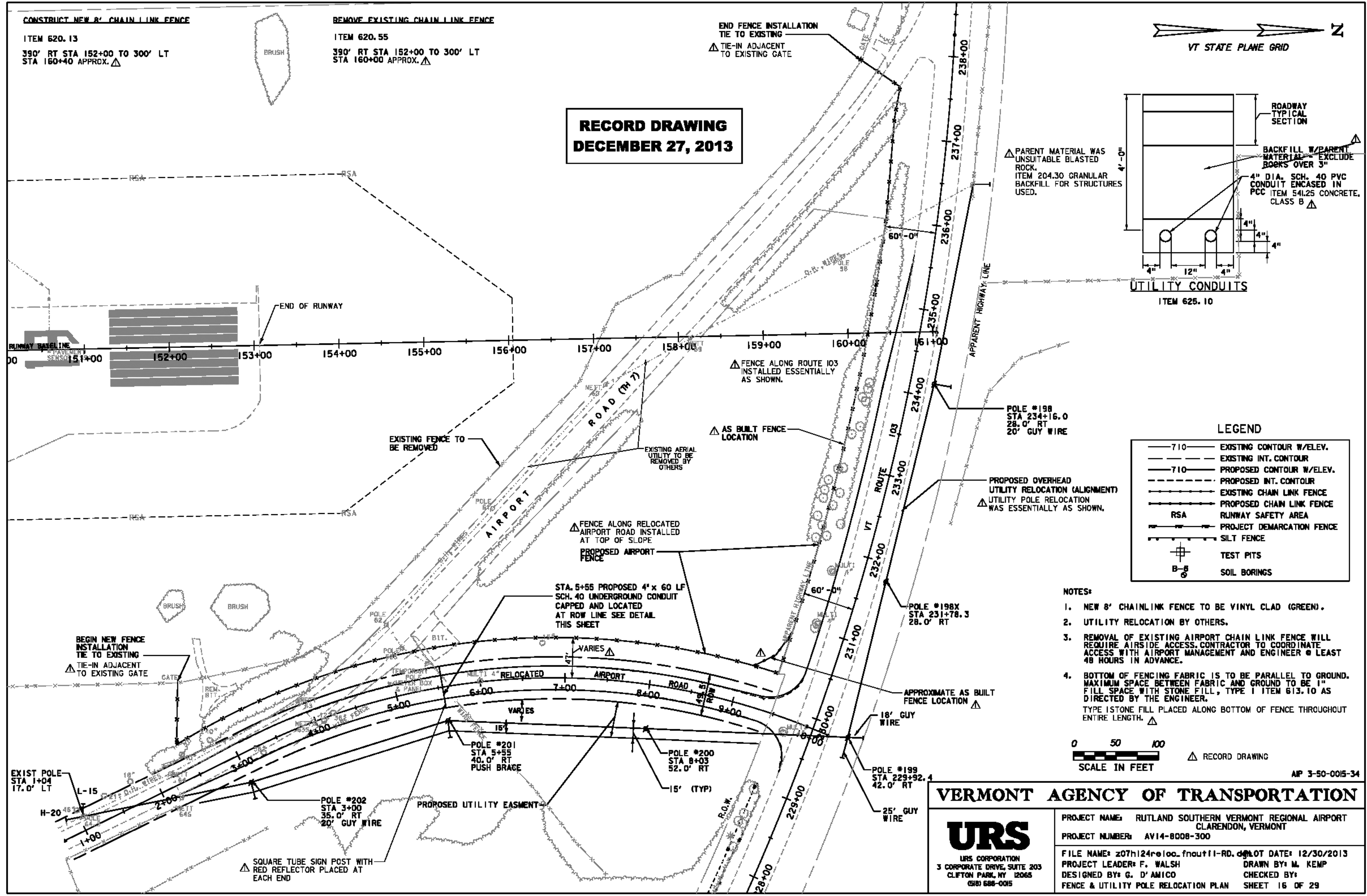
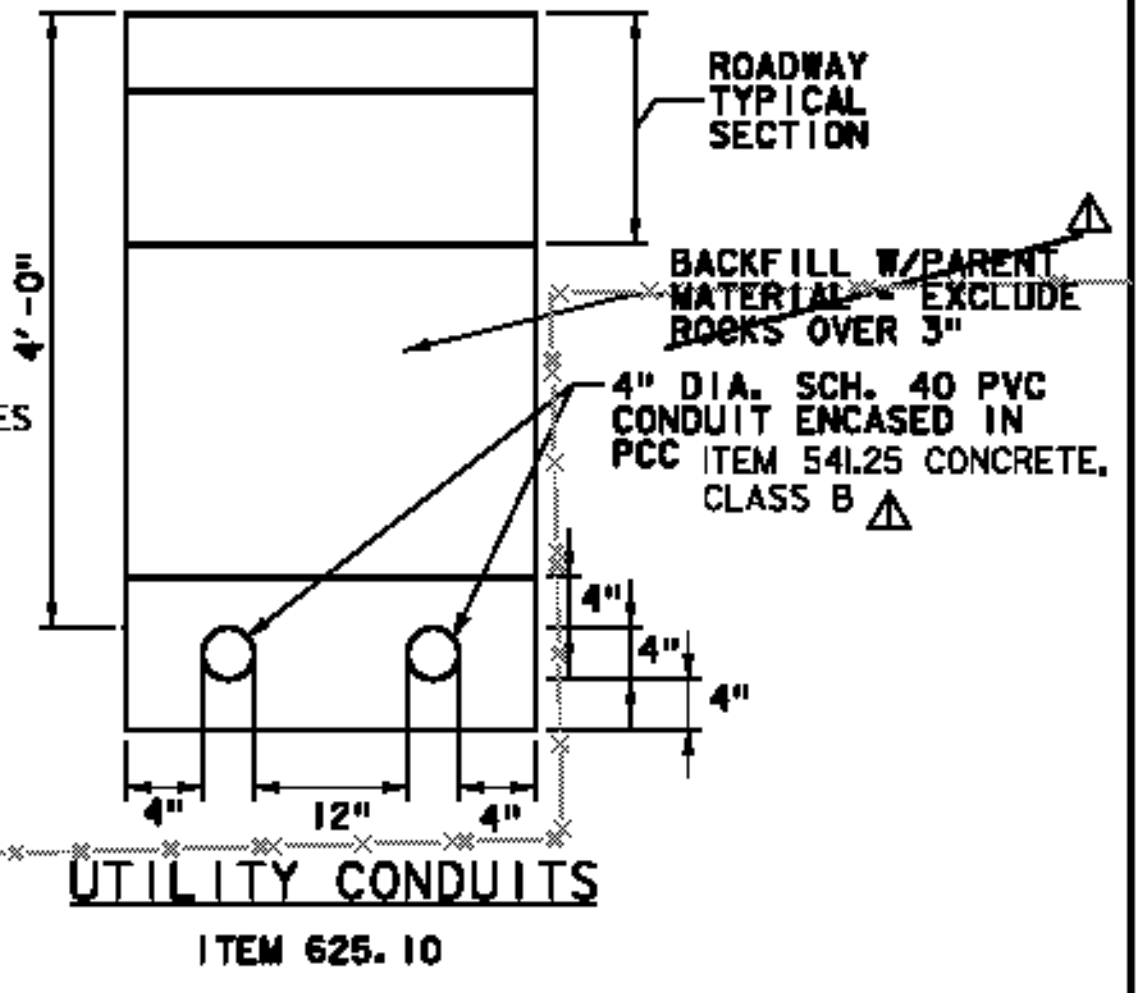
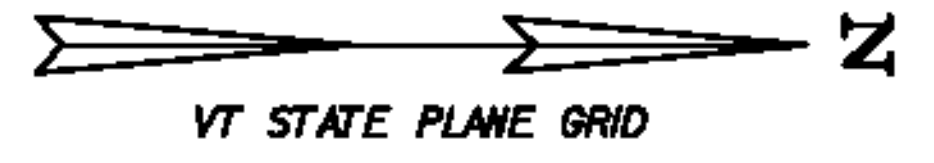
12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase 1\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\207h124reloc.fnc\util-RD.dgn

CONSTRUCT NEW 8' CHAIN LINK FENCE
 ITEM 620.13
 390' RT STA 152+00 TO 300' LT
 STA 160+00 APPROX. Δ

REMOVE EXISTING CHAIN LINK FENCE
 ITEM 620.55
 390' RT STA 152+00 TO 300' LT
 STA 160+00 APPROX. Δ

END FENCE INSTALLATION
 TIE TO EXISTING
 Δ TIE-IN ADJACENT
 TO EXISTING GATE

RECORD DRAWING
DECEMBER 27, 2013



LEGEND

	EXISTING CONTOUR W/ELEV.
	EXISTING INT. CONTOUR
	PROPOSED CONTOUR W/ELEV.
	PROPOSED INT. CONTOUR
	EXISTING CHAIN LINK FENCE
	PROPOSED CHAIN LINK FENCE
	RSA RUNWAY SAFETY AREA
	PROJECT DEMARCATION FENCE
	SILT FENCE
	TEST PITS
	SOIL BORINGS

- NOTES:**
1. NEW 8' CHAINLINK FENCE TO BE VINYL CLAD (GREEN).
 2. UTILITY RELOCATION BY OTHERS.
 3. REMOVAL OF EXISTING AIRPORT CHAIN LINK FENCE WILL REQUIRE AIRSIDE ACCESS. CONTRACTOR TO COORDINATE ACCESS WITH AIRPORT MANAGEMENT AND ENGINEER @ LEAST 48 HOURS IN ADVANCE.
 4. BOTTOM OF FENCING FABRIC IS TO BE PARALLEL TO GROUND. MAXIMUM SPACE BETWEEN FABRIC AND GROUND TO BE 1" FILL SPACE WITH STONE FILL, TYPE I ITEM 613.10 AS DIRECTED BY THE ENGINEER. TYPE I STONE FILL PLACED ALONG BOTTOM OF FENCE THROUGHOUT ENTIRE LENGTH. Δ



Δ RECORD DRAWING

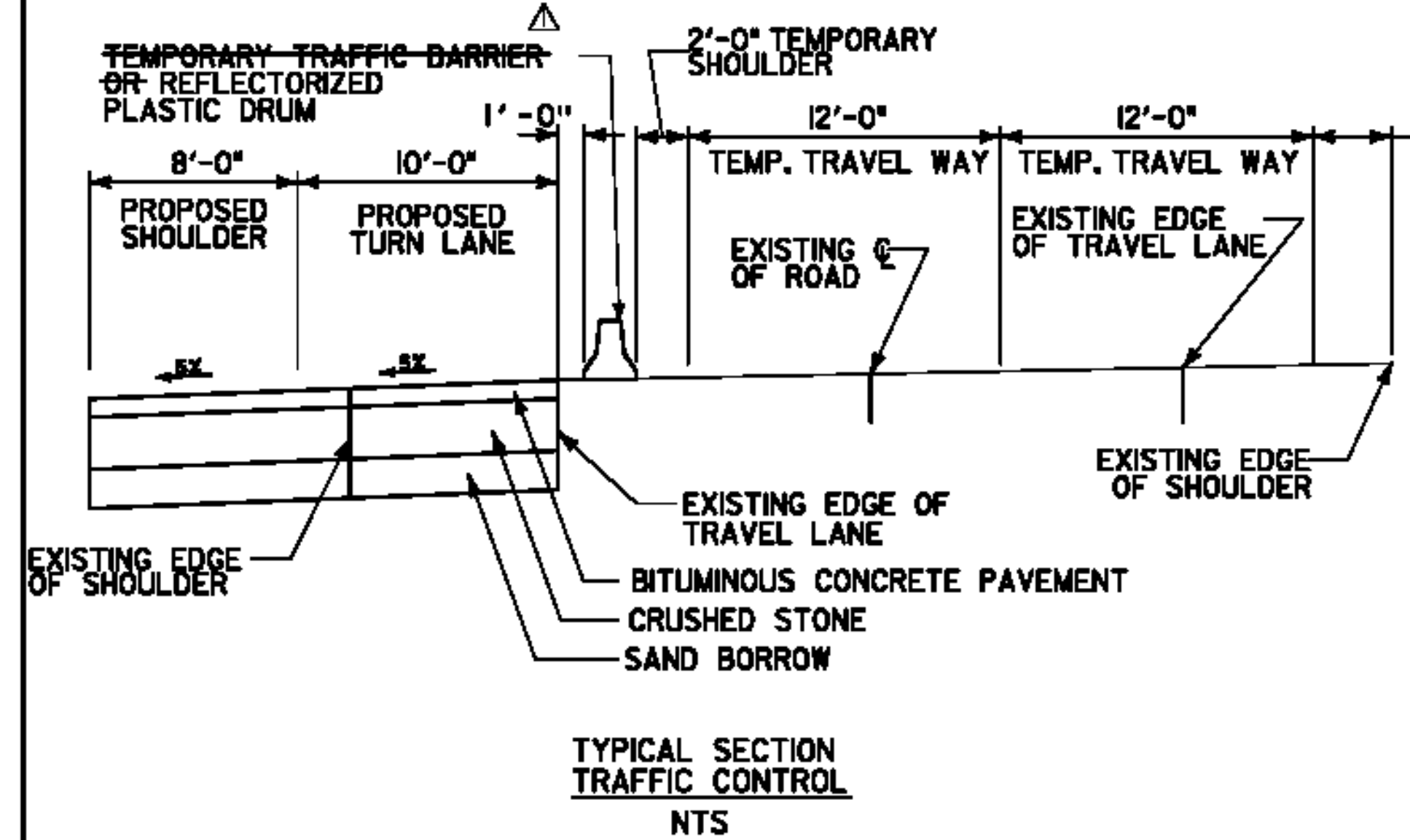
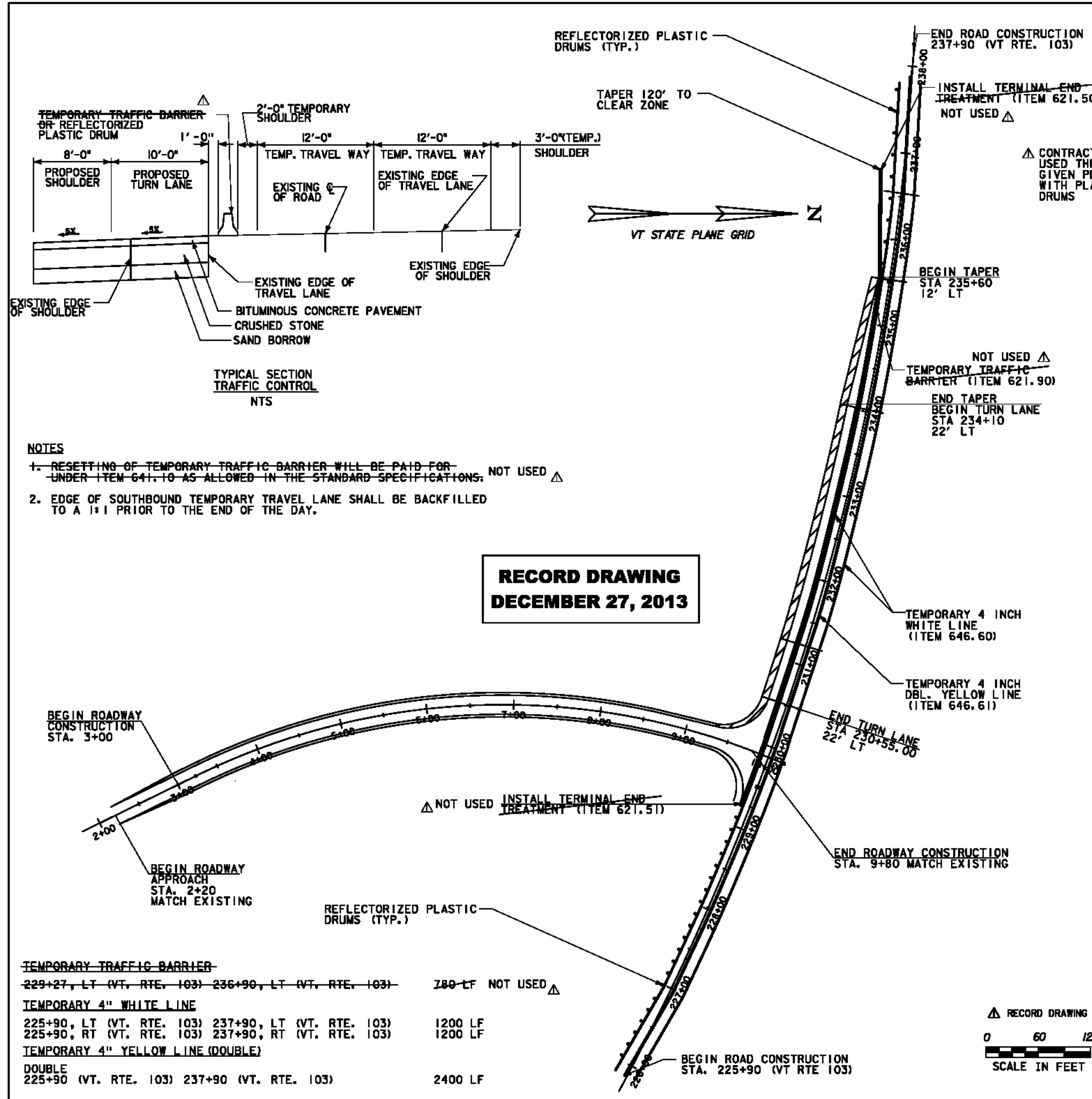
AP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

URS
 URS CORPORATION
 3 CORPORATE DRIVE, SUITE 203
 CLIFTON PARK, NY 12065
 (518) 688-0015

PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
 CLARENDON, VERMONT
 PROJECT NUMBER: AV14-8008-300
 FILE NAME: 207h124reloc.fnc\util-RD.dgn
 LOT DATE: 12/30/2013
 PROJECT LEADER: F. WALSH
 DESIGNED BY: G. D'AMICO
 DRAWN BY: M. KEMP
 CHECKED BY:
 FENCE & UTILITY POLE RELOCATION PLAN SHEET 16 OF 29

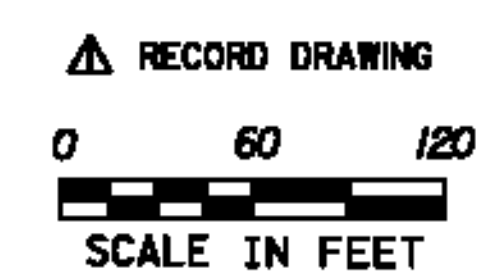
12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase \6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\207h124ts.02-RD.dgn



- NOTES**
1. ~~RESETTING OF TEMPORARY TRAFFIC BARRIER WILL BE PAID FOR UNDER ITEM 641.10 AS ALLOWED IN THE STANDARD SPECIFICATIONS.~~ NOT USED Δ
 2. EDGE OF SOUTHBOUND TEMPORARY TRAVEL LANE SHALL BE BACKFILLED TO A 1:1 PRIOR TO THE END OF THE DAY.

**RECORD DRAWING
DECEMBER 27, 2013**

TEMPORARY TRAFFIC BARRIER	229+27, LT (VT. RTE. 103) 236+90, LT (VT. RTE. 103)	780 LF NOT USED Δ
TEMPORARY 4" WHITE LINE	225+90, LT (VT. RTE. 103) 237+90, LT (VT. RTE. 103) 225+90, RT (VT. RTE. 103) 237+90, RT (VT. RTE. 103)	1200 LF 1200 LF
TEMPORARY 4" YELLOW LINE (DOUBLE)	DOUBLE 225+90 (VT. RTE. 103) 237+90 (VT. RTE. 103)	2400 LF



MAINTENANCE OF TRAFFIC NOTES

1. EXISTING SIGNS WITHIN THE PROJECT LIMITS NOT SHOWN.
2. TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 641 OF THE STANDARD SPECIFICATIONS, THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), ITS REVISIONS AND AMENDMENTS, AND PROVISIONS IN THE PLANS AND/OR PROPOSAL OF THIS PROJECT, AND STATE OF VERMONT STANDARDS.
3. THE CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PHASING PLANS SHOWING THE PROPOSED CONSTRUCTION PHASING AND NECESSARY TRAFFIC CONTROL MEASURES TO THE ENGINEER ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE. THE TRAFFIC CONTROL PLAN SHOWN IS CONSIDERED THE MINIMUM REQUIREMENT FOR SAFE OPERATIONS AND ONLY COVERS CERTAIN PROJECT CONSTRUCTION PHASES. ADDITIONAL SIGNS AND/OR TRAFFIC CONTROL DEVICES MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.
4. IN ORDER TO MAINTAIN EFFECTIVE TRAFFIC CONTROL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT THE SIGNS AND OTHER TRAFFIC CONTROL DEVICES ARE IN GOOD CONDITION AND ARE IN PLACE. THE SOLE JUDGE OF THE EFFECTIVENESS OF THE CONTRACTOR'S EFFORT TOWARD THE PROTECTION OF TRAFFIC AND PERSONNEL IS THE ENGINEER.
5. THE CONTRACTOR IS REQUIRED TO MAINTAIN ACCESS TO ALL SIDE ROADS AND CLOSED ROADS AT ALL TIMES. OWNERS AND/OR OCCUPANTS OF COMMERCIAL PROPERTY WITHIN THE PROJECT LIMITS SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY DRIVEWAY WORK THAT WILL CUT OFF ACCESS. THE CONTRACTOR IS REQUIRED TO RE-ESTABLISH ACCESS WITHIN 2 HOURS. LONGER PERIODS WITHOUT ACCESS SHALL BE SCHEDULED AT OFF PEAK DELIVERY AND RETAIL HOURS IN ADVANCE OF WORK THAT WILL CUT OFF ACCESS. THE CONTRACTOR IS REQUIRED TO ALLOW ACCESS TO ALL PROPERTIES AT ALL TIMES FOR EMERGENCY VEHICLES.
6. WHEN SHORT-DURATION ONE-WAY TRAFFIC IS NECESSARY AND IS APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL REFER TO THE TYPICAL FLAGGER OPERATION STANDARD DETAILS AND THE MUTCD FOR TYPICAL CHANNELIZATION AND TRAFFIC CONTROL. ONE-WAY TRAFFIC ON ROUTE 103 SHALL NOT BE PERMITTED BETWEEN THE HOURS OF 7:30 A.M. - 9:00 A.M. AND 3:30 P.M. - 6:00 P.M. WEEKDAYS.
7. ANY EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE CURRENT TRAFFIC CONTROL LAYOUT SHALL BE COVERED UNDER ITEM 646.86 PAVEMENT MARKING MASK. PAINTING OUT EXISTING LINES WILL NOT BE ACCEPTABLE.
8. SIGNS AND SIGN LOCATIONS SHALL BE IN CONFORMANCE WITH THE CURRENT MUTCD, STATE OF VERMONT STANDARDS, AS SHOWN ON THE TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DIRECTED BY THE ENGINEER IN THE FIELD.
9. INSTALL SIGNS AND PAVEMENT MARKINGS AS SHOWN ON THE PLANS PRIOR TO OPENING ANY PORTION OF THE PROJECT TO FINAL AND/OR TEMPORARY TRAFFIC. CARE MUST BE TAKEN TO ENSURE THAT FINAL SIGNS AND PAVEMENT MARKINGS DO NOT CONFLICT WITH PROPOSED TRAFFIC PATTERNS IN ANY ONE STAGE. FINAL SIGNS THAT ARE IN PLACE, BUT ARE NOT BEING USED, SHALL BE COVERED.
10. THE COVERING AND REMOVAL OF EXISTING SIGNS SHALL BE AS ORDERED BY THE ENGINEER. PAYEMENT FOR COVERING SIGNS WILL BE INCLUDED IN THE PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL.
11. ALL WORK RELATING TO CONSTRUCTION SIGNING (WITH YIELDING POSTS) AND TEMPORARY TRAFFIC CONTROL SIGNING, AND ALL OTHER TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING TEMPORARY TRAFFIC DRUMS, SHALL BE INCLUDED IN ITEM 641.10 TRAFFIC CONTROL.
12. BEFORE TRAFFIC CAN UTILIZE CONSTRUCTED PORTIONS OF THE ROADWAY, ALL GUARDRAIL SHALL BE IN PLACE, UNLESS PROTECTED BY APPROVED TEMPORARY BARRIER.
13. ALL DROP-OFF AREAS WITHIN CONSTRUCTION AND MAINTAINANCE WORK ZONE AREAS SHALL BE PROTECTED FROM ADJACENT TRAVEL LANES IN ACCORDANCE WITH STANDARD E-108 OR E-108A.
14. IF THE CONTRACTOR CHOOSES TO NOT USE TEMPORARY CONCRETE TRAFFIC BARRIER, THEN ALL ROAD WORK SHALL BE COMPLETED IN SMALL ENOUGH SEGMENTS THAT WILL ALLOW THE CONTRACTOR TO RETURN THE DROP-OFF ADJACENT TO THE TRAVEL-WAY TO WITHIN 6" OF THE ADJACENT LANE BY THE END OF THE DAY'S WORK (SEE STANDARD E-108 AND E-108A).

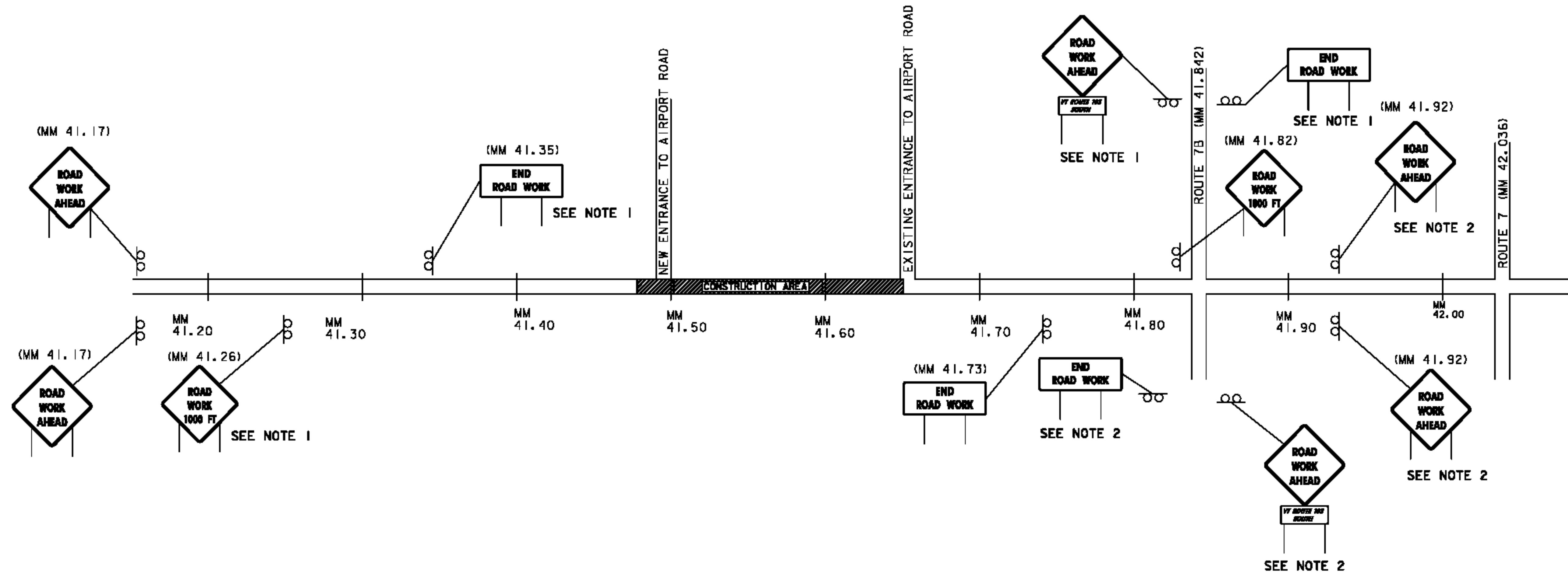
NOTE: THE BUFFER SPACE SHOULD BE EXTENDED SO THAT THE TWO-WAY TRAFFIC TAPER IS PLACED BEFORE A HORIZONTAL (OR CREST VERTICAL) CURVE TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGER AND A QUEUE OF STOPPED VEHICLES.

MP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

 URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 (518) 688-0015	PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT
	PROJECT NUMBER: AV14-8008-300
FILE NAME: 207h124ts.02-RD.dgn	PLOT DATE: 12/30/2013
PROJECT LEADER: F. WALSH	DRAWN BY: R. ROSS
DESIGNED BY: R. ROSS	CHECKED BY: M. CHEVALIER
TRAFFIC CONTROL PLAN (2)	SHEET 18 OF 29

TRAFFIC CONTROL SIGNING FOR PHASE 1-1b, 1-1c AND 1-2b LANE SHIFT




**RECORD DRAWING
DECEMBER 27, 2013**

- NOTES:
- 1) ROADWORK AHEAD SIGNS TO BE RELOCATED AS SHOWN ON PHASE 2 TRAFFIC CONTROL PLAN
 - 2) ROAD WORK AHEAD SIGNS TO REMAIN AS SHOWN FOR PHASE 2 CONSTRUCTION
 - 3) CONSTRUCTION SIGNS WERE INSTALLED ESSENTIALLY AS SHOWN

△ RECORD DRAWING

AP 3-50-0015-34

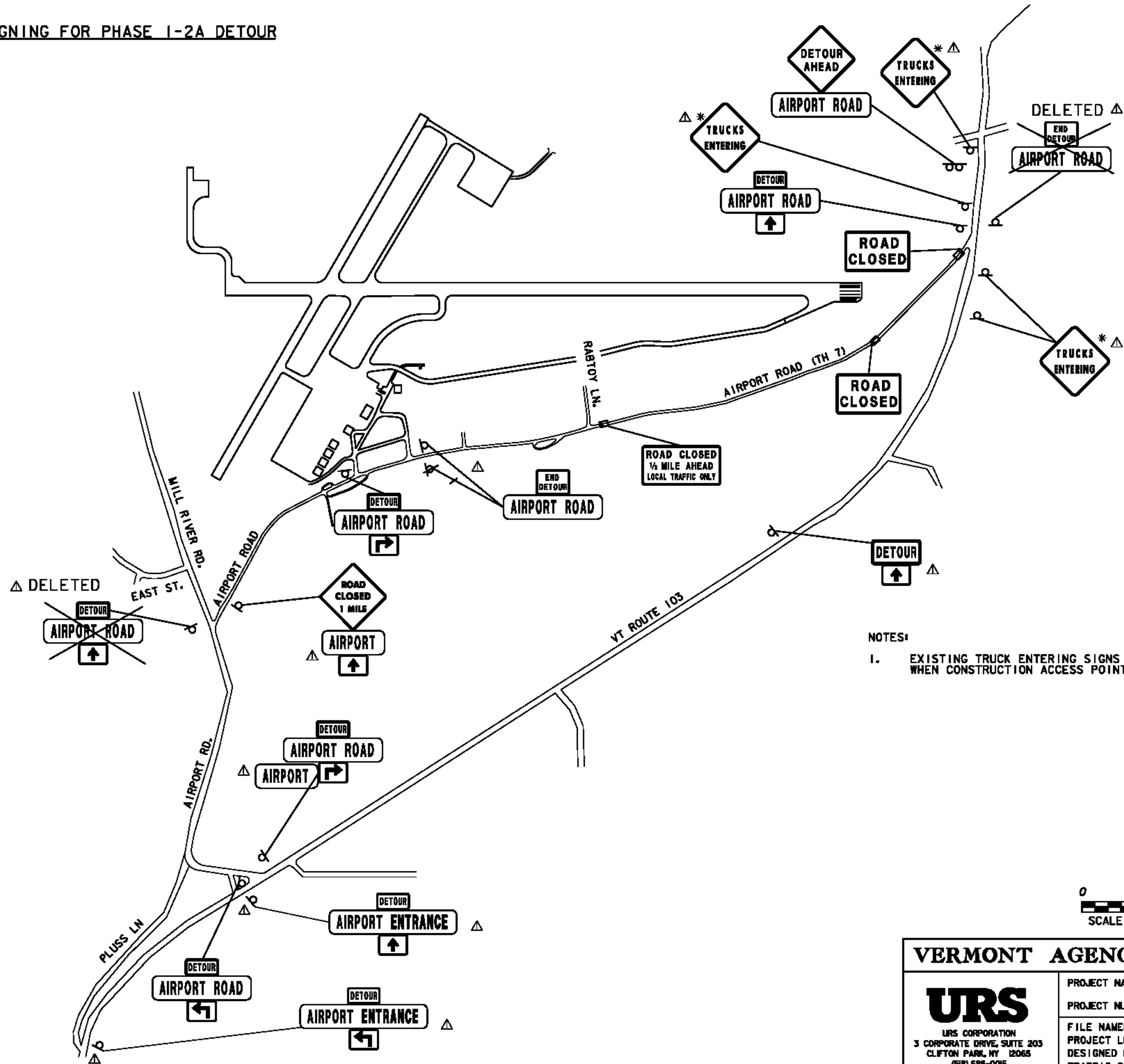
VERMONT AGENCY OF TRANSPORTATION	
 URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 (518) 688-0015	PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT PROJECT NUMBER: AV14-8008-300
	FILE NAME: z07h124ts_03-RD.dgn PROJECT LEADER: F. WALSH DESIGNED BY: R. ROSS TRAFFIC CONTROL PLAN (3)

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase 1\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124ts_03-RD.dgn

TRAFFIC CONTROL SIGNING FOR PHASE 1-2A DETOUR



**RECORD DRAWING
DECEMBER 27, 2013**



△ * "TRUCKS ENTERING" SIGNS WERE UTILIZED ON A DAILY BASIS WHEN NEEDED

NOTES:

- EXISTING TRUCK ENTERING SIGNS TO REMAIN IN PLACE WHEN CONSTRUCTION ACCESS POINT A IS IN USE.



△ RECORD DRAWING

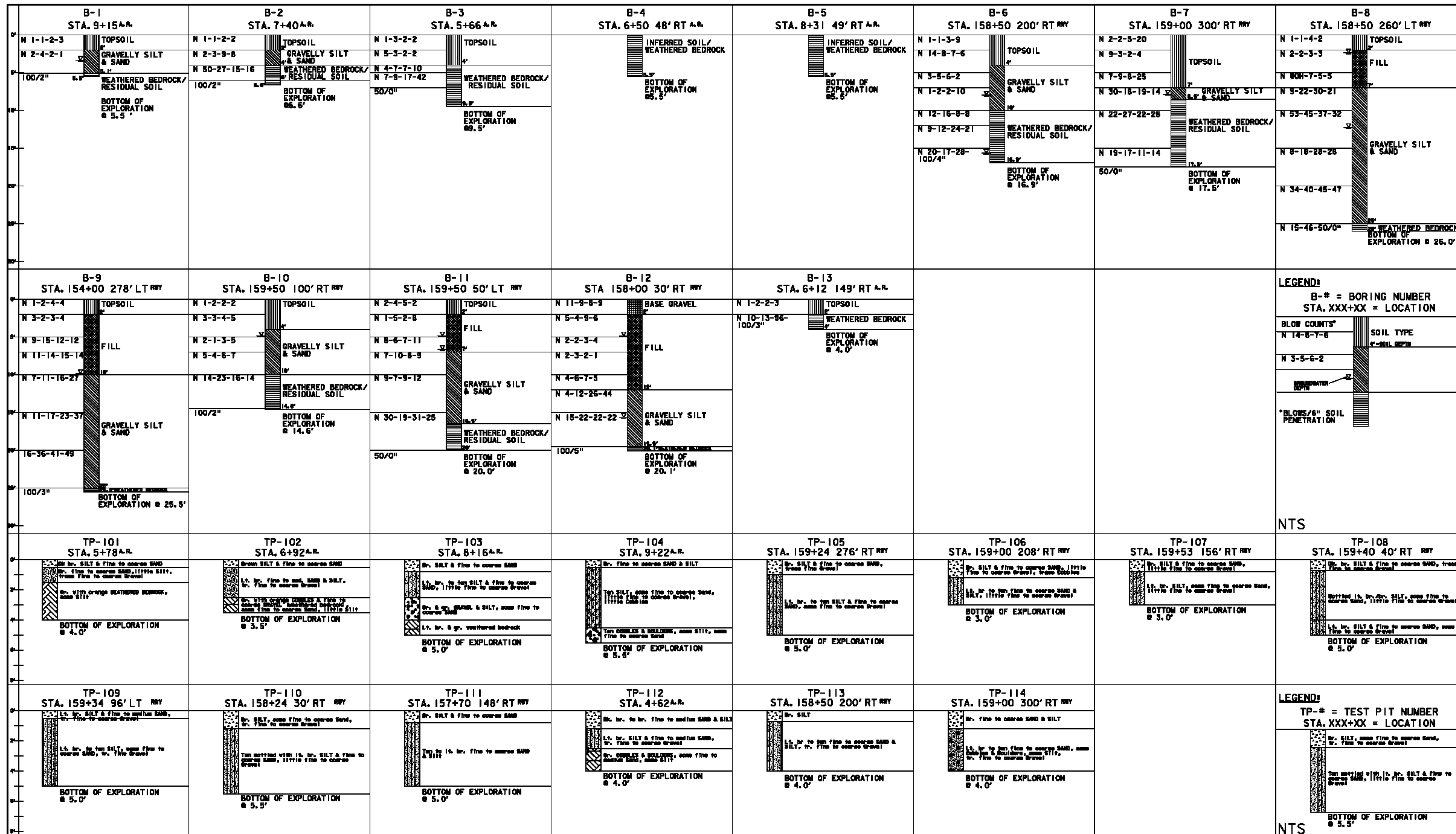
MP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

<p>URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 (518) 688-0015</p>	<p>PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT</p>
	<p>PROJECT NUMBER: AV14-8008-300</p>
<p>FILE NAME: z07h124ts_04-RD.dgn</p>	<p>PLOT DATE: 12/30/2013</p>
<p>PROJECT LEADER: F. WALSH</p>	<p>DRAWN BY: R. ROSS</p>
<p>DESIGNED BY: R. ROSS</p>	<p>CHECKED BY:</p>
<p>TRAFFIC CONTROL PLAN (4)</p>	<p>SHEET 20 OF 29</p>

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase 1\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124ts_04-RD.dgn

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LEGEND:
 B-# = BORING NUMBER
 STA. XXX+XX = LOCATION

BLOW COUNTS*
 N 14-8-7-6 SOIL TYPE
 N 3-5-6-2 SOIL TYPE

*BLOWS/6" SOIL PENETRATION

NTS

LEGEND:
 TP-# = TEST PIT NUMBER
 STA. XXX+XX = LOCATION

NTS

NOTES:
 1. BORING LOCATIONS SHOWN ON SHEET XX.
 2. BORINGS TAKEN JULY 2009 BY GEODESIGN, INC, WINDSOR, VT (SEE PRELIMINARY GEOTECHNICAL ENGINEERING REPORT FROM GEODESIGN DATED OCTOBER 20, 2009)
 3. TEST PITS TAKEN SEPTEMBER 2012 BY GEODESIGN, INC, WINDSOR, VT
 4. STATIONING FOR B-1 TO B-5 & B-13 CORRESPONDS TO AIRPORT ROAD AS INDICATED BY A.R.; STATIONING FOR B6 TO B-12 CORRESPONDS TO RUNWAY 1-19 AS INDICATED BY RWY.

**RECORD DRAWING
 DECEMBER 27, 2013**

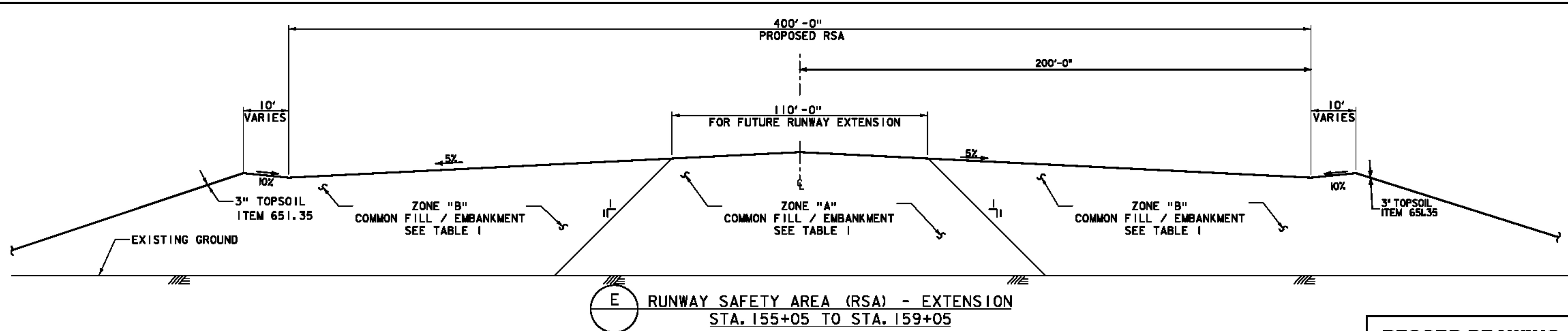
VERMONT AGENCY OF TRANSPORTATION



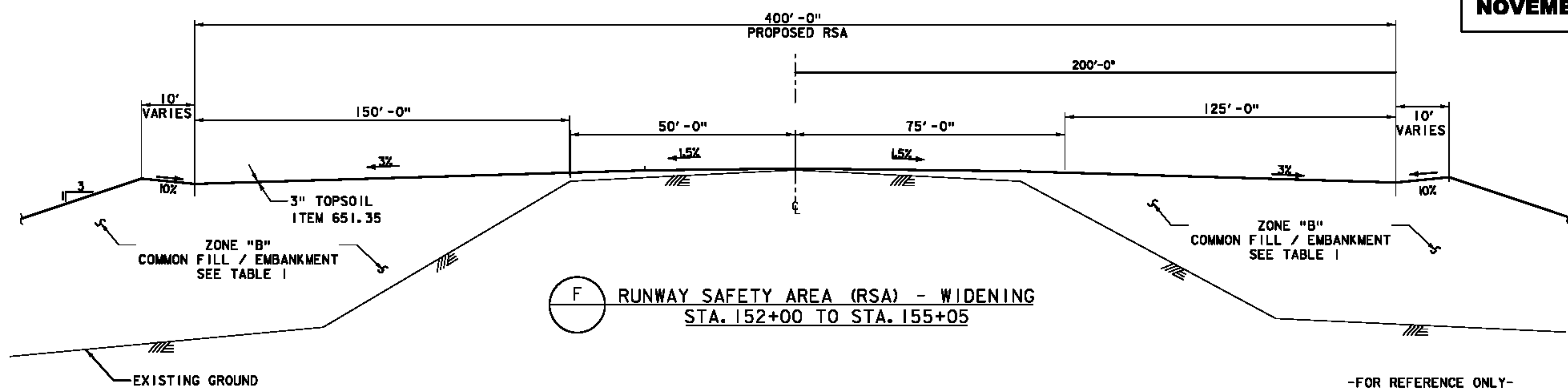
PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
 CLARENDON, VERMONT
 PROJECT NUMBER: AV14-8008-300
 FILE NAME: 207h124b1-RD.dgn
 PROJECT LEADER: F. WALSH
 DESIGNED BY: G. D'AMICO
 BORING AND TEST PIT LOGS

PLOT DATE: 12/30/2013
 DRAWN BY: M. WASSON
 CHECKED BY:
 SHEET 21 OF 29

11/7/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase \6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\207h124typ_rsa-rd.dgn



RECORD DRAWING
NOVEMBER 7, 2013



-FOR REFERENCE ONLY-

TABLE 1

EMBANKMENT FILL ZONE	SUBGRADE PREPARATION	BACKFILL MATERIAL	BACKFILL CRITERIA	COMPACTION CRITERIA
ZONE "A"	STRIP TOPSOIL PROOF ROLL EXISTING SOILS EVALUATE	SELECT	8" MAX STONE; 12" MAX LIFT THICKNESS	95% ASTM D1557
ZONE "B"	PROOF ROLL EVALUATE	COMMON	12" MAX STONE; 18" MAX LIFT THICKNESS	90% ASTM D1557

GENERAL NOTES

1. SEED, ITEM 651.15, SHALL BE APPLIED AS DIRECTED BY ENGINEER. THE SEED MIXTURE SHALL CONFORM TO:

% WT	LBS / A	NAME	PUR Z	GERM
20	14	TALL FESCUE (K-3)	95	85
10	7	PERNNIAL RYE GRASS	95	85
1	1	MEDIUM RED CLOVER	95	85
2	2	EMPIRE BIRDS FOOT TREFLOIL	95	85
22	15	CLIMAX TIMOTHY	95	85
10	7	CREeping RED FESCUE	95	85
10	7	ANNIUAL RYE	95	85
10	7	ORCHARD GRASS	95	85
100	70			
2. FERTILIZER, ITEM 651.18 FORMULA 10-20-10 TO BE USED WITH SEED. ITEM 651.18, APPLIED AT THE RATE OF 500 LBS / ACRE.
 AGRICULTURAL LIMESTONE, ITEM 651.20, TO BE APPLIED AT THE RATE OF 2 TONS / ACRE OR AS DIRECTED BY ENGINEER.
 HAY MULCH, ITEM 651.25, SHALL BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TON/ACRE.
 TOPSOIL, ITEM 651.35, TO BE USED WITH SEED. ITEM 651.15, AS DIRECTED BY THE ENGINEER.
3. PERMANENT EROSION CONTROL MATTING, ITEM 653.21, SHALL BE PLACED ON SLOPES OVER 5% WHEN DIRECTED BY THE ENGINEER.
4. ALLOWABLE THICKNESS TOLERANCES:

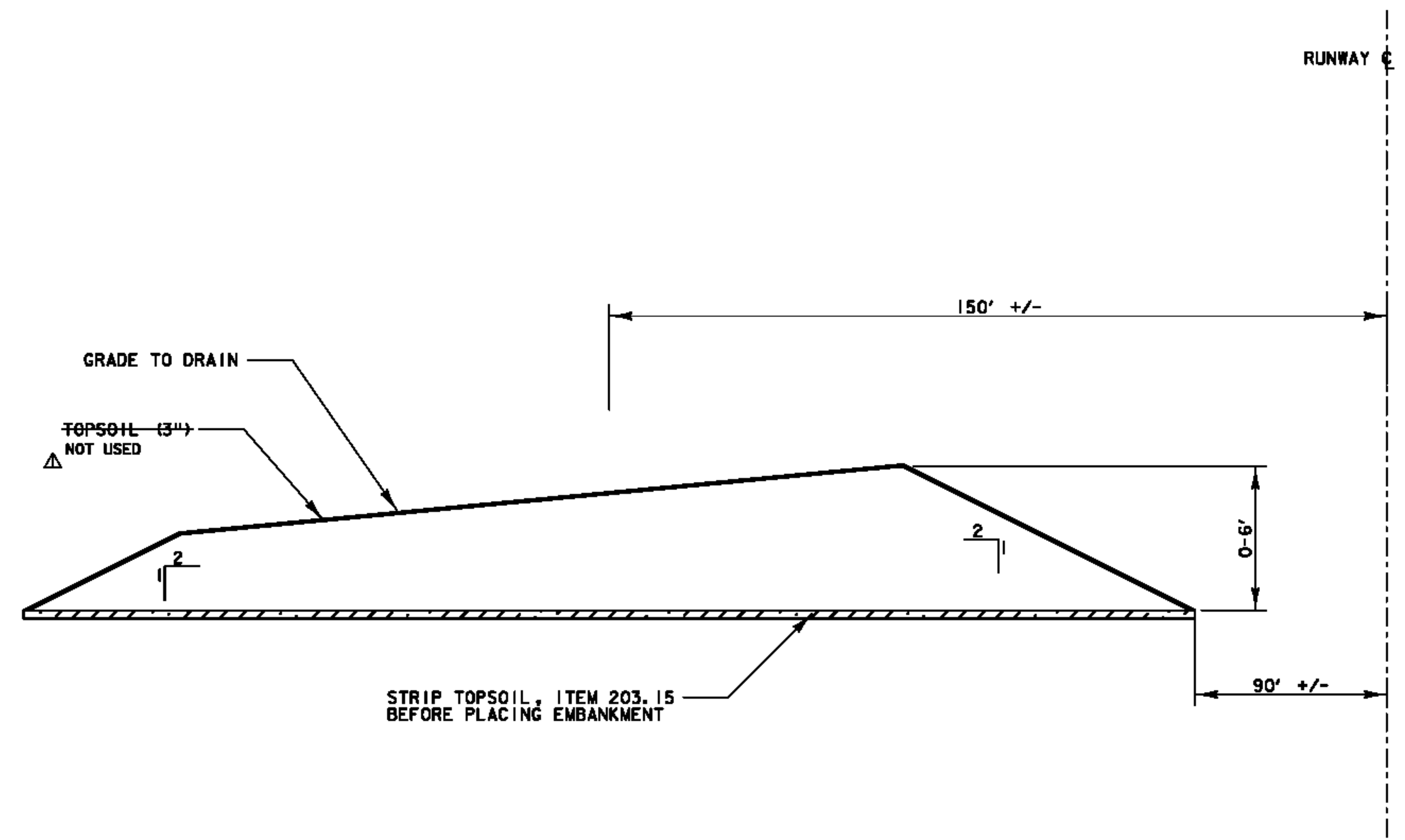
SUBGRADE	± 1/2"
CONTROLLED MATERIAL	± 1/2"
5. PAY LIMITS FOR SEED, LIME, FERTILIZER & MULCH ARE EQUAL TO THE APPROVED CONSTRUCTION LIMITS.

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

VERMONT AGENCY OF TRANSPORTATION

 URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 (518) 688-0015	PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT PROJECT NUMBER: AV14-8008-300
	FILE NAME: 207h124typ_rsa-rd.dgn PROJECT LEADER: F. WALSH DESIGNED BY: G. D'AMICO TYPICAL SECTIONS - RSA

**RECORD DRAWING
DECEMBER 27, 2013**



RSA EMBANKMENT (TYPICAL)
NTS


NOTES:

1. CONSTRUCT EMBANKMENT FROM WASTE MATERIAL FROM ROADWAY CONSTRUCTION
2. REFER TO TABLE I (SHEET 28) FOR MATERIAL AND COMPACTION REQUIREMENTS
3. PLACING AND COMPACTIONG EMBANKMENT IS NOT A SEPERATE PAY ITEM, LOSS IS INCIDENTAL TO ITEM 203.15
4. PLACE TOPSOIL (ITEM 651.35) SEED (ITEM 651.15) AND MULCH (ITEM 651.20) ON TOP AND EDGES OF EMBANKMENT TOP & EDGES OF EMBANKMENT WERE HEAVILY MULCHED. NO TOPSOIL OR SEED. Δ
5. CONSTRUCT TEMPORARY EROSION CONTROL MEASURES AS DIRECTED BY THE ENGINEER

Δ RECORD DRAWING

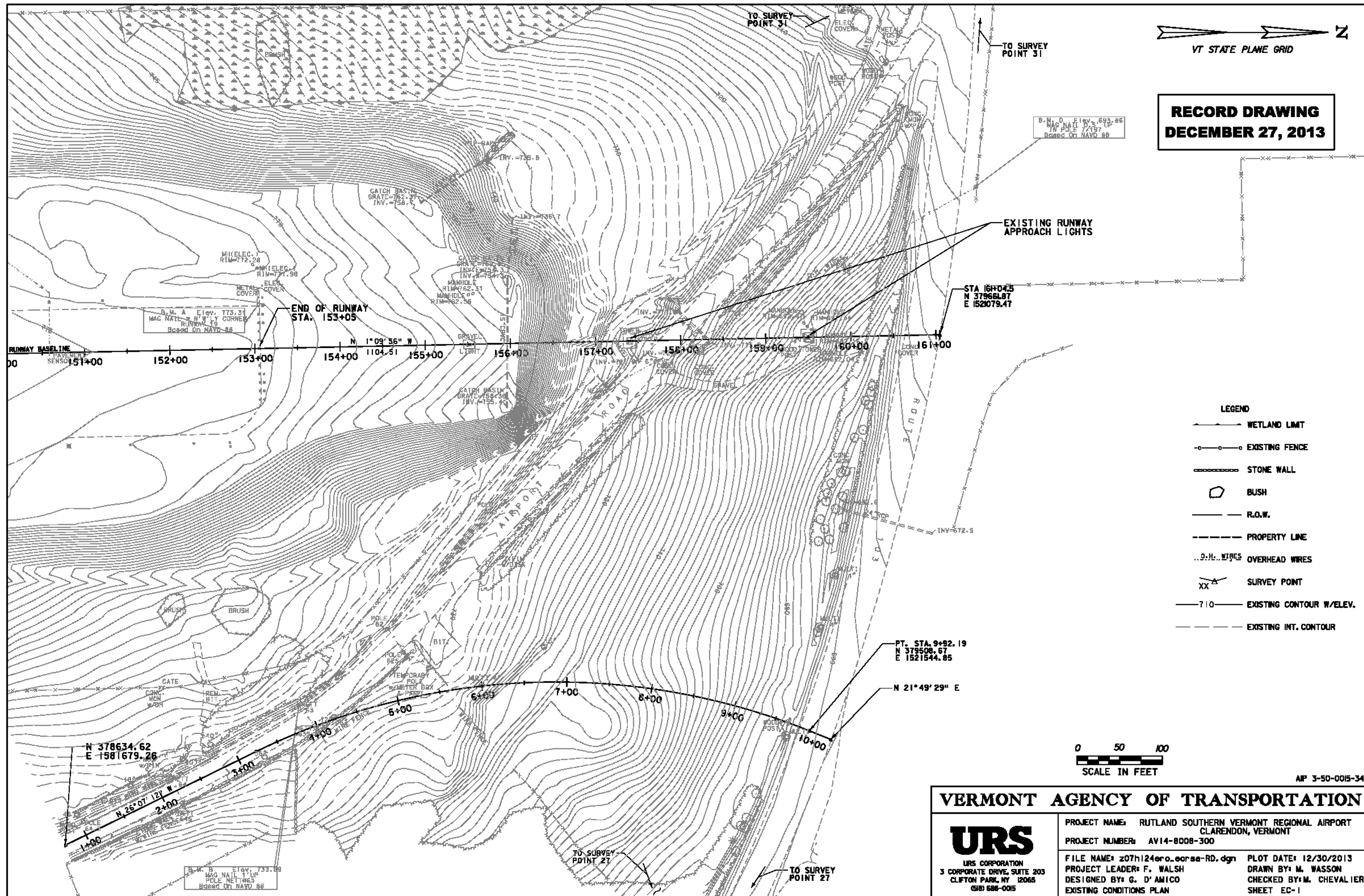
AMP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION

 <small>URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 (518) 688-0015</small>	<small>PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT</small>	
	<small>PROJECT NUMBER: AV14-8008-300</small>	
<small>FILE NAME: z07h124typ_emb_RD.dgn</small>	<small>PLOT DATE: 12/30/2013</small>	
<small>PROJECT LEADER: F. WALSH</small>	<small>DRAWN BY: M. KEMP</small>	
<small>DESIGNED BY: G. D'AMICO</small>	<small>CHECKED BY:</small>	
<small>TYPICAL SECTIONS - EMBANKMENT</small>	<small>SHEET 29 OF 29</small>	

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**RECORD DRAWING
DECEMBER 27, 2013**

- LEGEND**
- WETLAND LIMIT
 - EXISTING FENCE
 - STONE WALL
 - BUSH
 - R.O.W.
 - PROPERTY LINE
 - OVERHEAD WIRES
 - SURVEY POINT
 - EXISTING CONTOUR W/ELEV.
 - EXISTING INT. CONTOUR



AP 3-50-0015-34

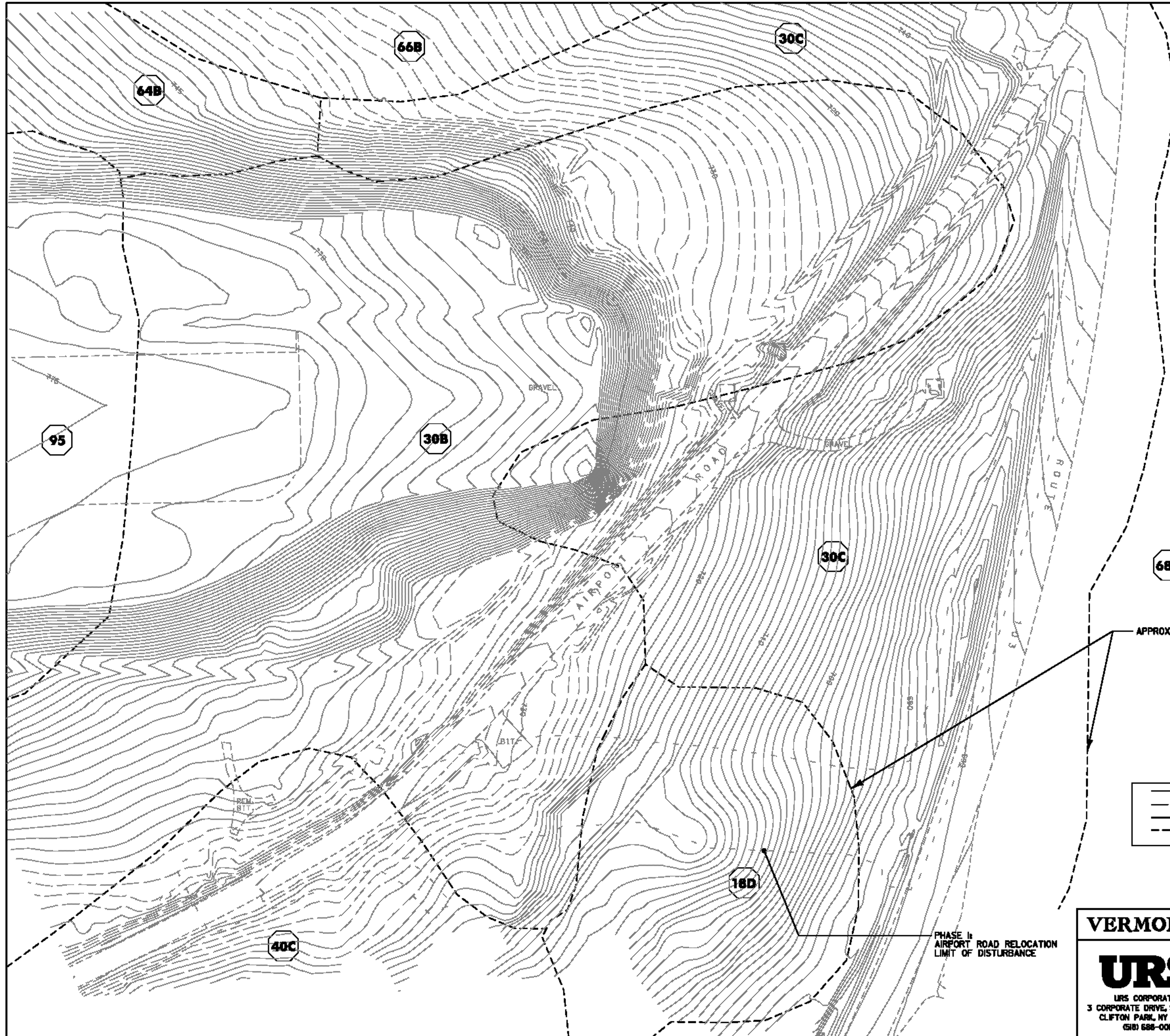
VERMONT AGENCY OF TRANSPORTATION

URS
URS CORPORATION
3 CORPORATE DRIVE, SUITE 203
CLIFTON PARK, NY 12065
GRI 688-0015

PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
CLARENDON, VERMONT
PROJECT NUMBER: AV14-8008-300
FILE NAME: z07h124ero_eorss-RD.dgn
DESIGNED BY: G. D'AMICO
EXISTING CONDITIONS PLAN

PLOT DATE: 12/30/2013
DRAWN BY: M. WASSON
CHECKED BY: M. CHEVALIER
SHEET EC-1

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase 1\6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124ero_solirsa-rd.dgn



**RECORD DRAWING
DECEMBER 27, 2013**

SOIL TYPES (USDA CLASSIFICATION)

18D	- WINDSOR LOAMY SAND (15 TO 25 % SLOPES)
30B	- PAXTON FINE SANDY LOAM (2 TO 8 % SLOPES)
30C	- PAXTON FINE SANDY LOAM (8 TO 15 % SLOPES)
40C	- GALWAY NELLIS FARMINGTON COMPLEX (8 TO 15 % SLOPES, ROCKY)
64B	- STOCKBRIDGE GRAVELLY SILT LOAM (3 TO 8 % SLOPES)
66B	- GEORGIA AND AMENIA SOILS (3 TO 8 % SLOPES)
68A	- MASSENA SILT LOAM (0 TO 8 % SLOPES, VERY STONY)
95	- UDORTHENTS LOAMY

SOURCE: USDA NATURAL RESOURCES CONSERVATION SERVICE

APPROXIMATE SOIL BOUNDARY

LEGEND

—710—	EXISTING CONTOUR W/ELEV.
---	EXISTING INT. CONTOUR
—710—	PROPOSED CONTOUR W/ELEV.
---	PROPOSED INT. CONTOUR



MP 3-50-0015-34

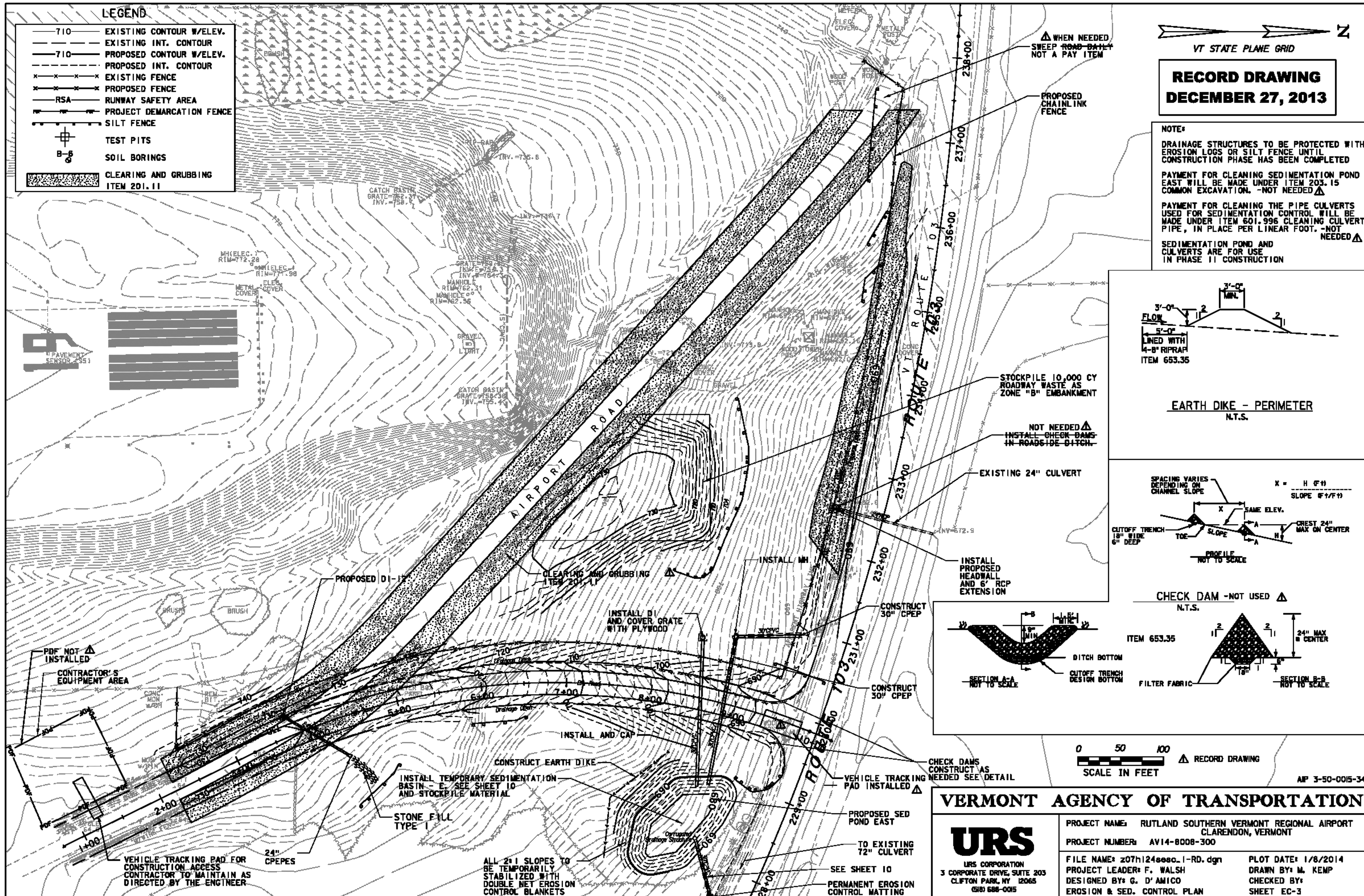
VERMONT AGENCY OF TRANSPORTATION

URS
URS CORPORATION
3 CORPORATE DRIVE, SUITE 203
CLIFTON PARK, NY 12065
(518) 688-0015

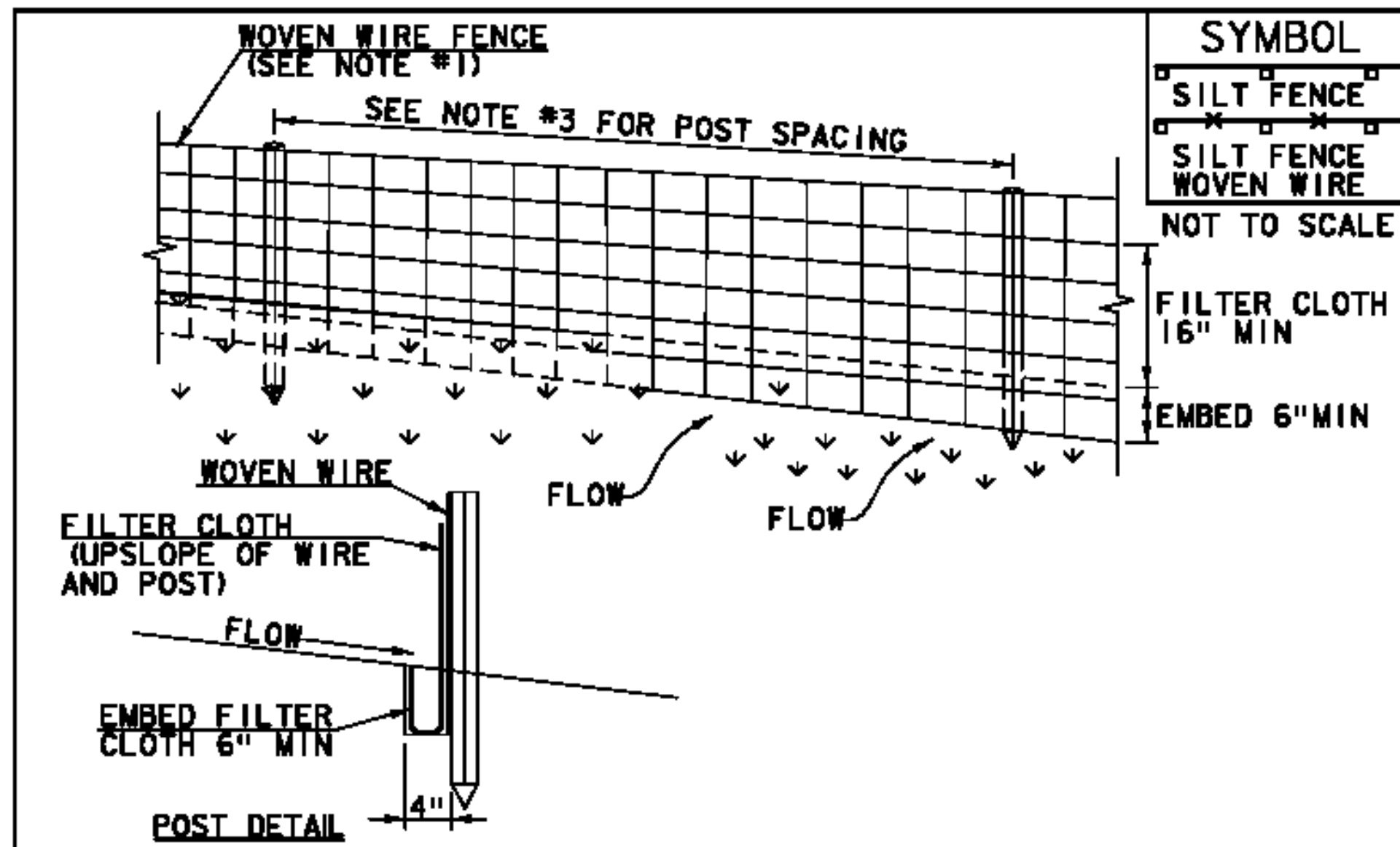
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CLARENDON, VERMONT
PROJECT NUMBER: AV14-8008-300
FILE NAME: z07h124ero_solirsa-rd.dgn PLOT DATE: 12/30/2013
PROJECT LEADER: F. WALSH DRAWN BY: A. ZAMUNSK/D. REKAROVIC
DESIGNED BY: G. D'AMICO CHECKED BY:
SOIL CLASSIFICATIONS-RUNWAY SAFETY AREA SHEET EC-2

PHASE II
AIRPORT ROAD RELOCATION
LIMIT OF DISTURBANCE

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SYMBOL	
	SILT FENCE
	SILT FENCE WOVEN WIRE
NOT TO SCALE	

CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE REINFORCED FENCE IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS WHEN THE PROJECT FALLS UNDER A CONSTRUCTION STORMWATER PERMIT. WOVEN WIRE SHALL BE A MIN. 14 GAUGE WITH A 6" MAX. MESH OPENING.
2. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFL100X, STABILINKA T140N OR APPROVED EQUIVALENT.
3. POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4' AND WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED 6'.
4. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

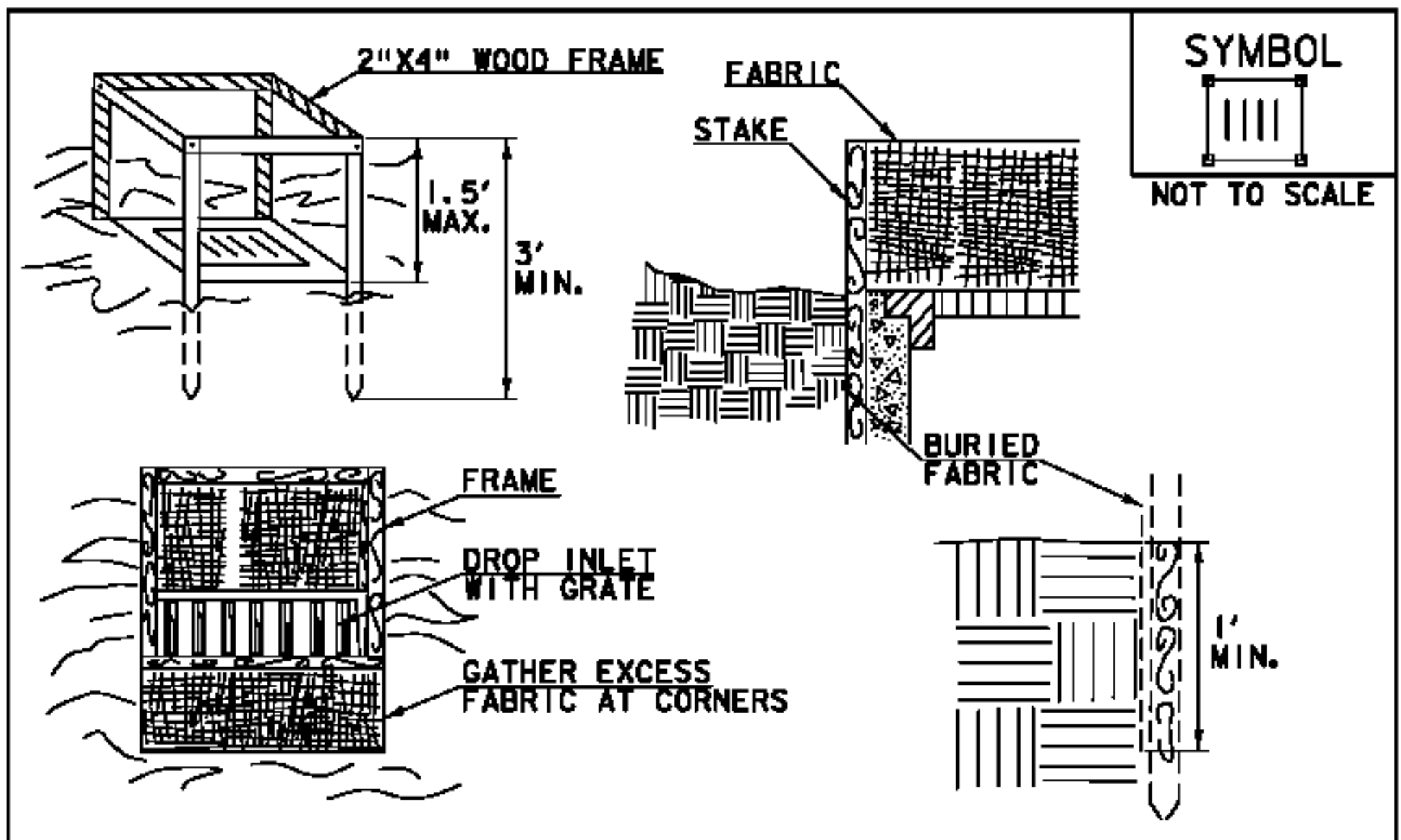
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SILT FENCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-" FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 AND AS SHOWN IN THE PLANS FOR GEOTEXTILE FOR SILT FENCE (PAY ITEM 649.51)

REVISIONS	
MARCH 21, 2008	WHF
DECEMBER 11, 2008	WHF
JANUARY 13, 2009	WHF



SYMBOL	
	NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN APPARENT OPENING SIZE OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3'.
4. SPACE STAKES EVENLY AROUND INLET 3' APART AND DRIVE A MINIMUM 18" DEEP. SPANS GREATER THAN 3' MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1' MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
7. MAXIMUM DRAINAGE AREA 1 ACRE

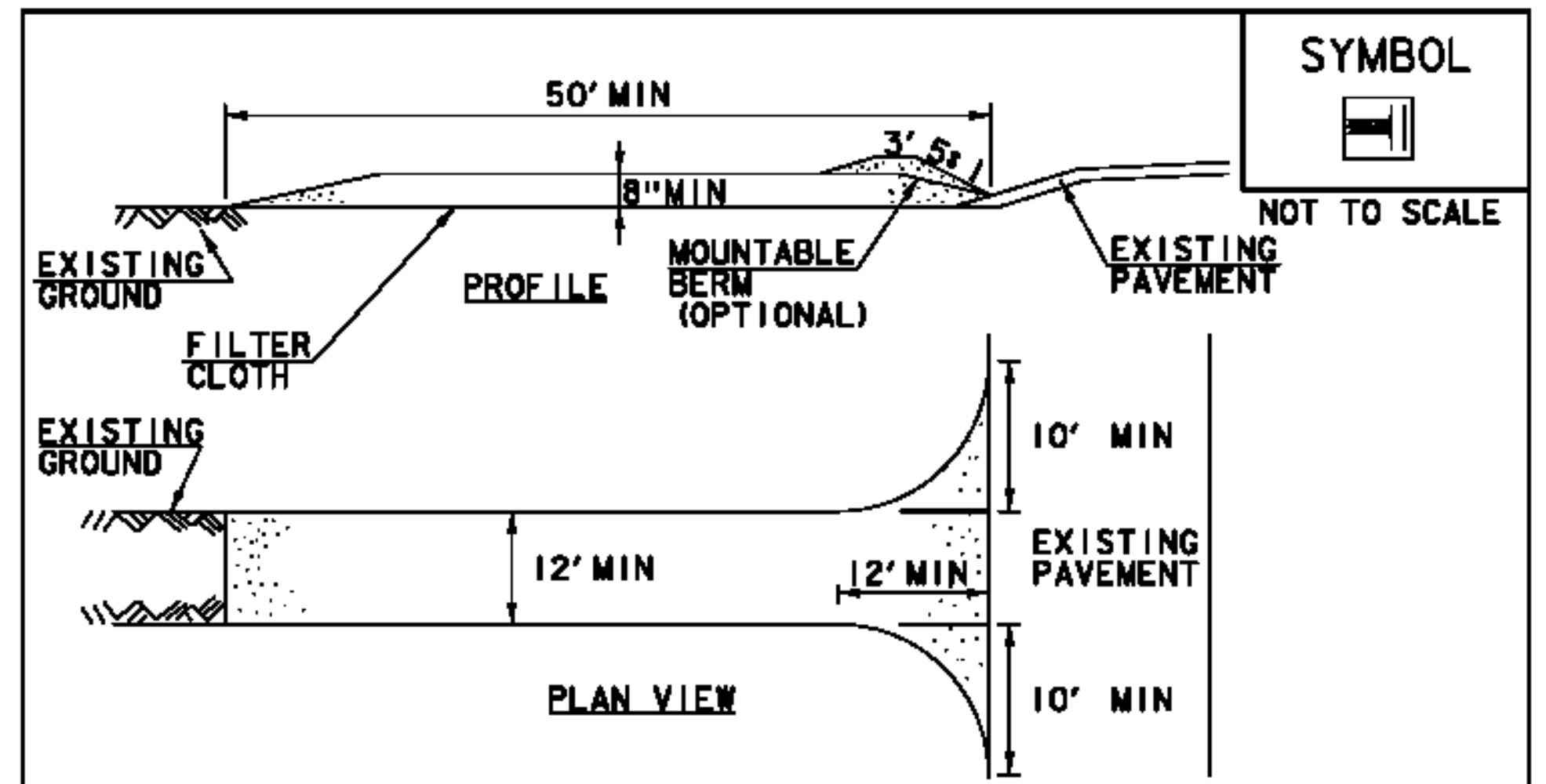
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FILTER FABRIC DROP INLET PROTECTION

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-" FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR INLET PROTECTION DEVICE, TYPE 1 PAID FOR UNDER 649.51 GEOTEXTILE FOR SILT FENCE. THE COST OF CONSTRUCTING THE 2" x 4" FRAME IS INCIDENTAL TO ITEM 649.51.

REVISIONS	
MARCH 7, 2008	WHF
JANUARY 13, 2009	WHF



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE- USE 1-4" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH- NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
3. THICKNESS- NOT LESS THAN 8".
4. WIDTH- 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STABILIZED CONSTRUCTION ENTRANCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-" FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR VEHICLE TRACKING PAD (PAY ITEM 653.35) OR AS SPECIFIED IN THE CONTRACT.

REVISIONS	
MARCH 24, 2008	WHF
JANUARY 13, 2009	WHF

NOTE: PAYMENT FOR MAINTAINING THE STABILIZED CONSTRUCTION ENTRANCE, INCLUDING REMOVING SOIL, MUD, OR OTHER MATERIALS TRACKED ONTO THE HIGHWAY, OR REPLACING THE STABILIZED CONSTRUCTION ENTRANCE IF NECESSARY, WHEN DIRECTED BY THE ENGINEER, SHALL BE INCIDENTAL TO ITEM 653.35.

AP 3-50-0015-34

**RECORD DRAWING
DECEMBER 27, 2013**

VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
CLARENDON, VERMONT
PROJECT NUMBER: AV14-8008-300
FILE NAME: 207h124ero_det12-RD.dgn PLOT DATE: 12/30/2013
PROJECT LEADER: F. WALSH DRAWN BY: M. WASSON
DESIGNED BY: CONST. ENV. SECTION CHECKED BY:
EROSION PREVENTION & SEDIMENT CONTROL DETAILS (1) SHEET EC-4

NTS

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase \6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\207h124ero_de13-RD.dgn

SYMBOL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

- EROSION MATTING, CHECK SLOTS, SHALL BE SPACED IN DITCH CHANNEL SO THAT ONE OCCURS WITHIN EACH 50' ON SLOPES OF MORE THAN 4% AND LESS THAN 6%. ON SLOPES OF 6% OR MORE, THEY SHALL BE SPACED SO THAT ONE OCCURS WITHIN EACH 25'.
- APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
- STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4' X 225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4' X 150' ROLL OF MATERIAL.
- DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
- ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION	ROLLED EROSION CONTROL PRODUCT (RECP) DITCH												
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MARCH 8, 2007	JMF												
APRIL 16, 2007	WHF												
JANUARY 13, 2009	WHF												

SYMBOL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

- APPLY TO SLOPES GREATER THAN 3H:1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
- APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
- STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4' X 225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4' X 150' ROLL OF MATERIAL.
- DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
- ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION	ROLLED EROSION CONTROL PRODUCT (RECP) SIDE SLOPE									
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**RECORD DRAWING
DECEMBER 27, 2013**

VERMONT AGENCY OF TRANSPORTATION

URS
URS CORPORATION
3 CORPORATE DRIVE, SUITE 203
CLIFTON PARK, NY 12065
(518) 688-0015

PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT
CLARENDON, VERMONT
PROJECT NUMBER: AV14-8008-300
FILE NAME: 207h124ero_de13-RD.dgn PLOT DATE: 12/30/2013
PROJECT LEADER: F. WALSH DRAWN BY: M. WASSON
DESIGNED BY: CONST. ENV. SECTION CHECKED BY:
EROSION PREVENTION & SEDIMENT CONTROL DETAILS (2) SHEET EC-5

NTS

AP 3-50-0015-34

EROSION CONTROL NARRATIVE – RSA

DESCRIPTION OF PROJECT

THIS PROJECT WILL INCLUDE RE-LOCATING A PORTION OF EXISTING AIRPORT ROAD. THE WORK WILL BE CONSTRUCTED IN THREE PHASES:

PHASE I - AIRPORT ROAD RELOCATION: RELOCATE 780 FEET BY 28 FEET WIDE ROADWAY TO THE EAST OF THE EXISTING AIRPORT ROAD ALIGNMENT. THIS RELOCATION WILL MOVE THE INTERSECTION WITH ROUTE 103 APPROXIMATELY 800 FEET EASTERLY. THE NEW ROADWAY PROFILE WILL RISE FROM ROUTE 103 AT A GRADIENT OF 10% IN CUT FOR THE FULL LENGTH OF THE CONSTRUCTION. EXCAVATION FOR THE AIRPORT ROAD CONSTRUCTION WILL AMOUNT TO APPROXIMATELY 10,000 CUBIC YARDS AND DISTURB 1.8+/-ACRES. DRAINAGE ALONG THE NEW ROADWAY ALIGNMENT WILL BE COLLECTED AND CONVEYED VIA ROADSIDE DITCHES TO THE EXISTING ROUTE 103 ROADSIDE DITCH.

WASTE MATERIAL FROM THE CONSTRUCTION OF AIRPORT ROAD WILL BE PLACED AND COMPACTED FOR USE AS EMBANKMENT IN THE RUNWAY 19 SAFETY AREA. SEE SHEET 9.

PHASE II - SANITARY SEWER INSTALLATION: INSTALL SANITARY SEWER FOR THE EXISTING VAOT MAINTENANCE BUILDING AND THE VAOT AIRPORT MAINTENANCE BUILDING.

PHASE III - BITUMINOUS PAVEMENT OVERLAY ON APPROXIMATELY 4500 LF OF AIRPORT ROAD, INCLUDES REMOVING AND REPLACING APPROXIMATELY 20 LF OF EXISTING CULVERT AND INSTALLING APPROXIMATELY 300 LF OF UNDERDRAIN.

SITE INVENTORY AND ANALYSIS

TOPOGRAPHY, EXISTING ROADS, BUILDINGS, UTILITIES:

THE AREA OF THE PROPOSED PROJECT IMPROVEMENTS IS UNDER THE APPROACH TO RUNWAY 19. THE SITE IS OPEN FIELDS. VEGETATION IS MATURE GRASSES AND GROUND COVER EXCEPT ALONG THE EASTERLY SIDE OF EXISTING AIRPORT ROAD WHERE LOW TREES LINE THE ROADWAY, BELOW THE RUNWAY APPROACH. EXISTING TOPOGRAPHY FROM THE SOUTH TO THE NORTH FALLS FROM AN ELEVATION OF 763 FEET TO AN ELEVATION OF 700 FEET MEAN SEA LEVEL AND IS GENERALLY STEEP. THE TERMINUS OF THE EXISTING RSA IS AN EMBANKMENT AT A GRADE AT 1:2.5 (40% GRADIENT). THE BALANCE OF TERRAIN IN THE PROJECT AREA VARIES FROM 8% TO 20% SLOPES.

STATE ROUTE 103 IS LOCATED NORTH OF THE RUTLAND AIRPORT ADJACENT TO THE PROPOSED RSA EXTENSION. AIRPORT ROAD, A TOWN ROAD LOCATED OFF ROUTE 103, IS LOCATED WITHIN THE PROJECT AREA AND WILL REQUIRE RELOCATION TO THE EAST.

THERE ARE NO BUILDINGS WITHIN THE PROJECT AREA.

UTILITIES INCLUDE OVERHEAD PRIMARY ELECTRIC AND TELEPHONE LINES LOCATED ALONG EXISTING AIRPORT ROAD AND UNDERGROUND AIRPORT ELECTRIC SERVICE FOR THE RUNWAY APPROACH LIGHTS. THESE UTILITIES ARE TO BE RELOCATED PRIOR TO RECEIVING NOTICE TO PROCEED.

SITE DRAINAGE CHARACTERISTICS:

THE EXISTING TERRAIN WITHIN THE PROJECT LIMITS FALLS SOUTH TO NORTH SUCH THAT DRAINAGE IS INTERCEPTED IN ROADSIDE DITCHES ALONG THE SOUTH SIDE OF STATE ROUTE 103, THEN CONVEYED TO THE NORTH SIDE OF ROUTE 103 VIA CROSS CULVERTS. STORM WATER RUNOFF WITHIN THE PROJECT AREA IS GENERALLY OVER LAND EXCEPT FOR ON THE EXISTING RSA WHERE RUNOFF IS INTERCEPTED BY DROP INLETS AND PIPED TO THE BASE OF THE EXISTING RSA EMBANKMENT WHERE IT IS THEN DISCHARGED TO RUN OVER LAND. AIRPORT ROAD DRAINAGE WITHIN THE PROJECT AREA IS LIMITED TO A SINGLE CROSS CULVERT.

WATERWAYS, BODIES OR WATER:

THERE ARE A TOTAL OF 18 DISTINCT WETLANDS LOCATED ON AIRPORT PROPERTY. THE PROJECT AREA FOR THE RELOCATED AIRPORT ROAD WILL NOT IMPACT ANY JURISDICTIONAL WETLANDS OR WETLAND BUFFER AREAS.

VEGETATION:

THE AIRFIELD CONSISTS OF OPEN MEADOW GRASSLANDS THAT ARE MOWED ANNUALLY. EXISTING AIRPORT ROAD TO BE REMOVED HAS A HEDGE ROW ON EITHER SIDE OF THE ROAD. THIS HEDGE ROW WILL BE REMOVED DURING RELOCATION OF AIRPORT ROAD.

SOILS:

SOIL TYPES IN THE PROPOSED CONSTRUCTION AREA ARE SHOWN ON SHEET EC-3.

SENSITIVE RESOURCE AREAS:

THERE ARE NO RARE, THREATENED, OR ENDANGERED SPECIES LOCATED WITHIN THE PROPOSED RSA EXTENSION IMPROVEMENTS AREA. SURROUNDING AREA MEADOWS HAVE BEEN DESIGNATED AS HABITAT FOR GRASSLAND BIRDS. THERE IS A MEMORANDUM OF UNDERSTANDING BETWEEN THE VT AGENCY OF NATURAL RESOURCES (VANR) AND THE VT AGENCY OF TRANSPORTATION (VTRANS) THAT THE AIRPORT DELAY GRASS MOWING AND CONSTRUCTION DURING THE NESTING SEASON FOR GRASSLAND BIRDS. AS A MITIGATION MEASURE VTRANS WILL MOW THE PROPOSED SITE FOR CONSTRUCTION OF THE RSA AND ROADWAY RE-LOCATION BEGINNING IN MAY TO DISCOURAGE THESE GRASS LAND BIRDS FROM NESTING IN THE PROJECT AREA. GRASS IN MOWED AREAS IS TO BE MAINTAINED AT LESS THAN 4" IN HEIGHT.

THERE ARE NO FLOODPLAINS, HISTORIC, ARCHITECTURAL, CULTURAL, AND ARCHAEOLOGICAL RESOURCES WITHIN THE PROPOSED PROJECT AREA.

TEMPORARY EROSION PREVENTION & SEDIMENT CONTROL

" PROJECT DEMARCATION FENCING " WILL BE PLACED TO DELINEATE THE LIMITS THE CONTRACTOR CAN ACCESS WITH CONSTRUCTION EQUIPMENT. THIS MEASURE LIMITS THE AREA THAT CAN BE EXPOSED TO EROSION.

SEEDING, MULCHING AND BIODEGRADABLE EROSION CONTROL MATTING, OR EQUIVALENT PRODUCTS, WILL BE UTILIZED ON ALL SLOPES STEEPER THAN 1:3 THAT ARE NOT LINED WITH STONE REVETMENT. THE SLOPES FROM THE RSA SHALL BE STABILIZED WITHIN 48 HOURS OF REACHING FINAL/FINISH GRADE OR DURING INTERMITTENT PHASES OF CONSTRUCTION ACTIVITY.

ANY SLOPES OR OPEN AREAS TO BE EXPOSED FOR SEVERAL DAYS PRIOR TO FINAL GRADING SHALL BE MULCHED. THE FORECAST OF RAINFALL EVENTS SHALL ALSO TRIGGER PROTECTION OF EXPOSED AREAS OR SLOPES.

TEMPORARY MEASURES TO CONTROL SEDIMENT TRANSPORT INCLUDE:

CONSTRUCTION OF A TEMPORARY SEDIMENTATION BASIN ALONG WITH PERIMETER DIVERSION BERMS AND/OR DIVERSION SWALES DIRECTING CONSTRUCTION RUNOFF TO THIS BASIN AS SHOWN ON THE PLANS. INSTALLATION OF PERIMETER AND INTERIM SILT FENCES AS THE WORK IS PHASED, AS SHOWN OR CALLED FOR ON PLANS OR OTHERWISE APPROVED BY THE ENGINEER. EACH LINE OF SILT FENCE WILL BE PLACED WITH THE ENDS TURNED SLIGHTLY UPHILL TO CREATE A PONDING CONDITION SHOULD WATER TRY TO RUN AROUND THE FENCING. THE MAXIMUM SLOPE LENGTH BETWEEN SEPARATE RUNS OF SILT FENCE SHALL NOT EXCEED 100 FEET.

A STABILIZED CONSTRUCTION ENTRANCE AS CALLED FOR ON THE PLANS. MODIFICATION AND/OR RELOCATION OF THE STABILIZED CONSTRUCTION ENTRANCE(S) ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER.

PERMANENT EROSION CONTROL MEASURES

PERMANENT EROSION CONTROL MEASURES TO BE UTILIZED INCLUDE:

PERMANENT EROSION CONTROL MEASURES WILL INCLUDE GRASS OR OTHER SUITABLE GROUND COVER. AT LOCATIONS WHERE EMBANKMENT GRADING EXCEEDS 1 (VERTICAL) ON 2 (HORIZONTAL) STONE REVETMENT / LINING SHALL BE PLACED. AS THE WORK PROCEEDS ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED PROMPTLY UPON ACHIEVING FINAL GRADES USING AN APPROVED SEEDING FORMULA FOR RURAL AREAS.

GENERAL EROSION & SEDIMENT CONTROL GUIDELINES

THE EROSION CONTROL PLANS ARE MEANT AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT TRANSPORT. THE WORK OUTLINED IN THIS NARRATIVE CONSISTS OF APPLYING MEASURES THROUGHOUT THE LIFE OF THE PROJECT TO CONTROL EROSION AND MINIMIZE THE SEDIMENTATION OF RECEIVING WATERS. THE MEASURES INCLUDE STABILIZATION AND STRUCTURAL PRACTICES, STORM WATER CONTROLS, AND OTHER POLLUTION PREVENTION CONTROLS.

COORDINATE THE INSTALLATION, USE, AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES WITH CONSTRUCTION ACTIVITIES TO ENSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS EROSION, AND SEDIMENT CONTROL. EMPLOY TEMPORARY STABILIZATION PRACTICES IN INCREMENTAL STAGES AS CONSTRUCTION PROCEEDS. THE CONTRACTOR WILL USE ADDITIONAL EROSION CONTROL MEASURES WHEN NECESSARY THE SEQUENCE OF CONSTRUCTION OR WHEN DIRECTED BY THE ENGINEER. REFER TO SECTION 105.23 OF THE VERMONT AOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, LATEST EDITION.

INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN OR CALLED FOR ON THE EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER. DO NOT MODIFY THE TYPE, SIZE OR LOCATION OF ANY CONTROL DEVICE OR PRACTICE WITHOUT PRIOR APPROVAL FROM THE ENGINEER. ALL CHANGES SHALL BE NOTED ON THE PLANS, IN THE WEEKLY INSPECTION REPORT, AND REPORTED TO THE APPROPRIATE AUTHORITY IN A TIMELY MANNER. INSPECT ALL CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT. MAKE REPORTS AS NECESSARY OR AS DIRECTED BY THE ENGINEER.

PREVENTING INITIAL SOIL EROSION IS MUCH MORE EFFECTIVE THAN TREATING ERODED SEDIMENT. THEREFORE, STABILIZE ALL DISTURBED AREAS PROMPTLY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY VEGETATION SHALL BE ESTABLISHED IF THE AREA IS TO BE WITHOUT CONSTRUCTION ACTIVITY FOR A PERIOD OF 14 DAYS OR MORE. ALL PERIMETER CONTROL MEASURES SHALL BE INSTALLED FOLLOWING CLEARING, BUT PRIOR TO START OF ANY GRUBBING OR GRADING ACTIVITY. INSTALL ALL OTHER TEMPORARY CONTROLS IN INCREMENTAL STAGES AS CONSTRUCTION PROCEEDS. MAINTAINING VEGETATED BUFFERS ALONG STREAM BANKS, WETLANDS AND OTHER SENSITIVE AREAS IS A CRUCIAL EROSION AND SEDIMENTATION CONTROL MEASURE THAT SHOULD BE ESTABLISHED WHENEVER POSSIBLE.

CONTROL ONLY THE SEDIMENT-LADEN RUNOFF GENERATED BY THE PROJECT SITE. INTERCEPT, COLLECT AND CONVEY CLEAN OFFSITE RUNOFF AROUND OR THROUGH THE PROJECT SITE USING DIVERSION BERMS, DIVERSION CHANNELS, CULVERTS AND/OR TEMPORARY PIPING.


DO NOT ALLOW CONSTRUCTION EQUIPMENT TO OPERATE ON THE DOWN SIDE OF PERIMETER CONTROL MEASURES.

FINAL CONDITIONS SITE PLAN

SEE AIRPORT ROAD-GRADING PLAN SHEET 12 OF 26 FOR FINAL CONSTRUCTION CONDITIONS. ALL SILT FENCE AND TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED PRIOR TO ACCEPTANCE OF THE PROJECT.

**RECORD DRAWING
DECEMBER 27, 2013**

AP 3-50-0015-34

VERMONT AGENCY OF TRANSPORTATION		
 URS CORPORATION 3 CORPORATE DRIVE, SUITE 203 CLIFTON PARK, NY 12065 (518) 688-0015	PROJECT NAME: RUTLAND SOUTHERN VERMONT REGIONAL AIRPORT CLARENDON, VERMONT PROJECT NUMBER: AV14-8008-300	
	FILE NAME: z07h124ero_rsanarr-RD.dgn PLOT DATE: 12/30/2013 PROJECT LEADER: F. WALSH DESIGNED BY: G. D'AMICO EROSION CONTROL NARRATIVE	DRAWN BY: A. ZAWLINSKI CHECKED BY: SHEET EC-6

12/30/2013 J:\38397229 RUT RSA 19 Improvements Final Design & CIPhase \6.0 CADD\6.1 Plan Sheets\RECORD DRAWINGS\z07h124ero_rsanarr-RD.dgn