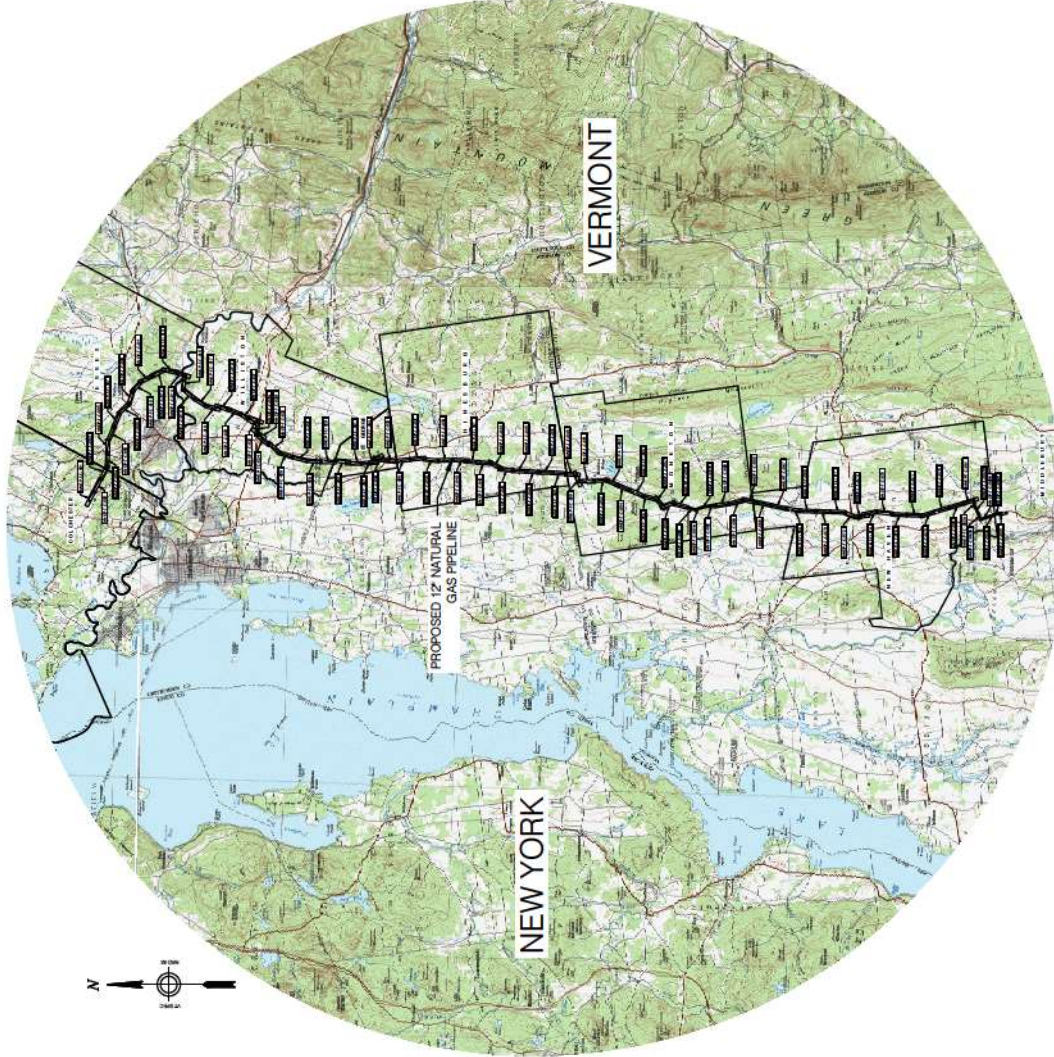


**Vermont Gas Systems, Inc.
Addison Natural Gas Project**

Transmission Mainline Engineering Plans

ADDISON NATURAL GAS PROJECT TRANSMISSION MAINLINE

CHITTENDEN AND ADDISON COUNTIES
VERMONT



DRAWING INDEX

DRAWING NUMBER	DRAWING TITLE
ANGP-TG-001	COVER SHEET
ANGP-TG-002	INDEX SHEET
ANGP-TG-003	LEGEND & NOTES
ANGP-TG-004 TO 006	CONSTRUCTION CONFIGURATION DETAILS
ANGP-TG-007 TO 010	ACCESS ROAD DETAILS
ANGP-TG-011	NOT INCLUDED
ANGP-TG-012 TO 020	CONSTRUCTION DETAILS
ANGP-TG-021	STATION AND VALVE DETAILS
ANGP-TG-022	CONSTRUCTION PIPEYARD DETAILS

DRAWING #	DRAWING TITLE
ANGP-T-C-001	ALIGNMENT SHEET
ANGP-T-C-002	ALIGNMENT SHEET
ANGP-T-C-003	ALIGNMENT SHEET
ANGP-T-C-004	ALIGNMENT SHEET
ANGP-T-C-005	ALIGNMENT SHEET
ANGP-T-C-006	ALIGNMENT SHEET
ANGP-T-C-007	ALIGNMENT SHEET
ANGP-T-C-008	ALIGNMENT SHEET
ANGP-T-C-009	ALIGNMENT SHEET
ANGP-T-C-010	ALIGNMENT SHEET
ANGP-T-C-011	ALIGNMENT SHEET
ANGP-T-C-012	ALIGNMENT SHEET
ANGP-T-C-013	ALIGNMENT SHEET
ANGP-T-C-014	ALIGNMENT SHEET
ANGP-T-C-015	ALIGNMENT SHEET
ANGP-T-C-016	ALIGNMENT SHEET
ANGP-T-C-017	ALIGNMENT SHEET
ANGP-T-C-018	ALIGNMENT SHEET
ANGP-T-C-019	ALIGNMENT SHEET
ANGP-T-C-020	ALIGNMENT SHEET
ANGP-T-C-021	ALIGNMENT SHEET
ANGP-T-C-022	ALIGNMENT SHEET
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ANGP-T-C-023B	ALIGNMENT SHEET
ANGP-T-C-024	ALIGNMENT SHEET
ANGP-T-C-025	ALIGNMENT SHEET
ANGP-T-C-026	ALIGNMENT SHEET
ANGP-T-C-027	ALIGNMENT SHEET
ANGP-T-C-028	ALIGNMENT SHEET
ANGP-T-C-029	ALIGNMENT SHEET
ANGP-T-C-030	ALIGNMENT SHEET
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ANGP-T-C-042	ALIGNMENT SHEET
ANGP-T-C-043	ALIGNMENT SHEET
ANGP-T-C-044	ALIGNMENT SHEET

DRAWING #	DRAWING TITLE
ANGP-T-C-045	ALIGNMENT SHEET
ANGP-T-C-046	ALIGNMENT SHEET
ANGP-T-C-047	ALIGNMENT SHEET
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ANGP-T-C-083B	ALIGNMENT SHEET
ANGP-T-C-084A	ALIGNMENT SHEET
ANGP-T-C-084B	ALIGNMENT SHEET
ANGP-T-C-085	ALIGNMENT SHEET

SCALE: 1" = 12,000'

DWG. NO.	DESCRIPTION	REV	DSN	CHK	DATE
1	SAB	JED			
0	SAB	JED			
	ISSUED FOR AMENDED ARTICLE 248 FILING				
	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING				
	DESCRIPTION				

ENVIRONMENTAL	BID	CONSTRUCTION	INITIALS	DATE
DRAFTING DESIGNER	02/28/13			
DRAFTING SUPERVISOR	B7D			
DESIGN ENGINEER	SAB			
DESIGN MANAGER	JED			

YEAR	DATE	INITIALS	DATE	SCALE	NOTED
2013					

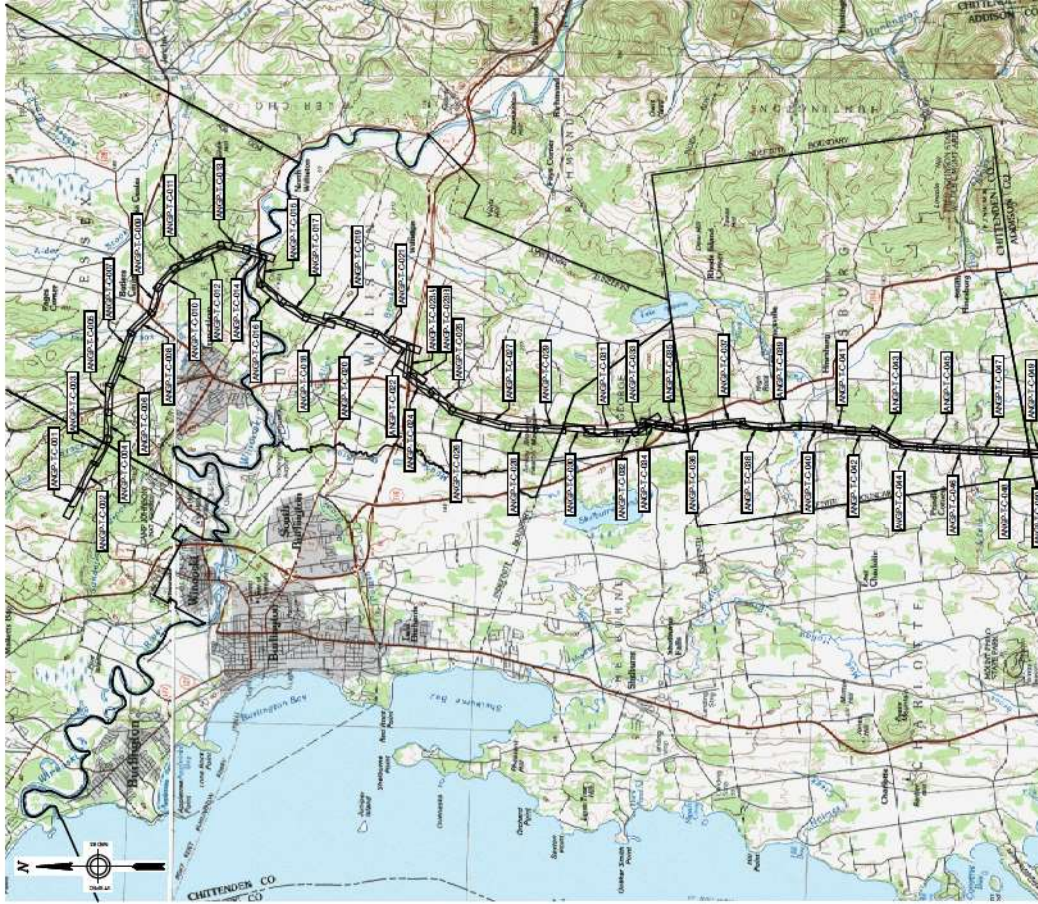
LOC.	YEAR	SCALE	NOTED
CHITTENDEN & ADDISON COUNTIES	2013		

PROJECT	SCALE	NOTED
VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT COVER SHEET		

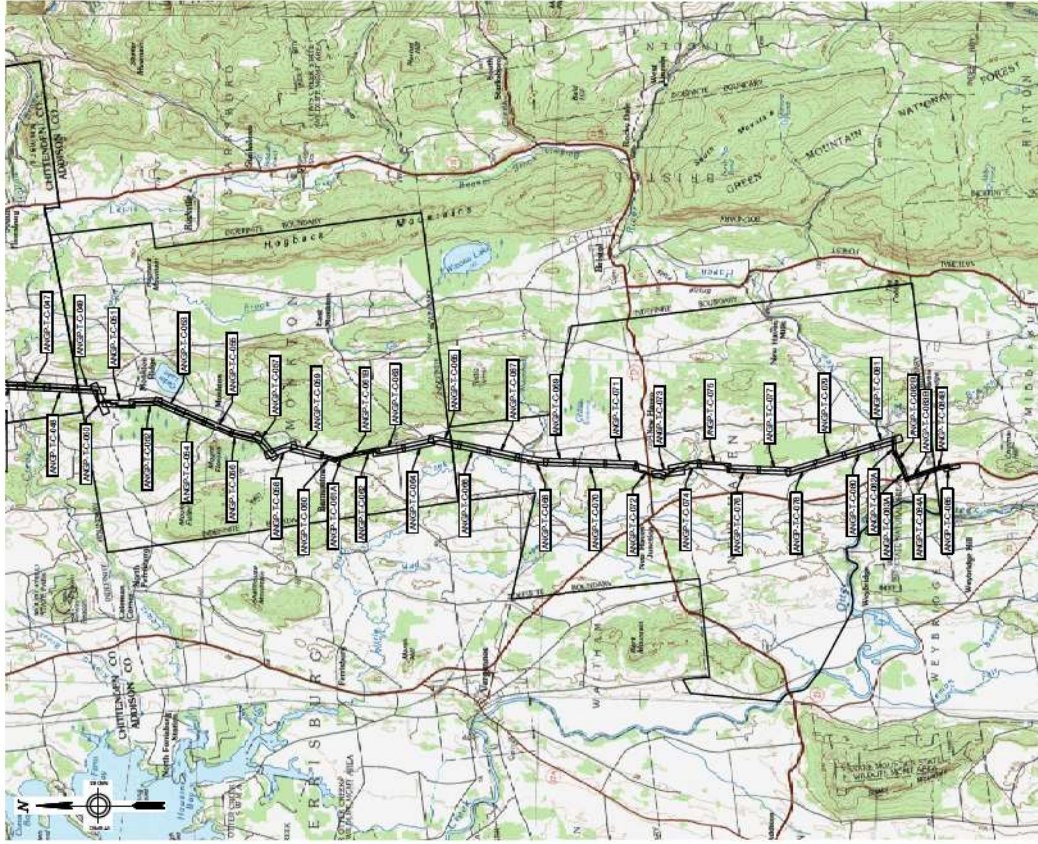
YEAR	DATE	INITIALS	DATE	SCALE	NOTED
2013					

DWG.	ANGP-T-G-001	REV.	1

CHITTENDEN AND ADDISON COUNTIES
VERMONT

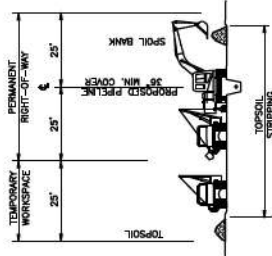


SCALE 1" = 500'



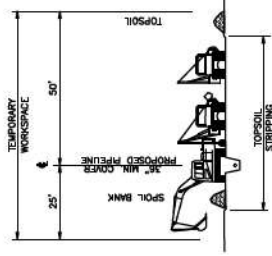
SCALE 1" = 500'

ENVIRONMENTAL DRAFTING DESIGNER DRAFTING SUPERVISOR DESIGN ENGINEER DESIGN MANAGER		BID 02/28/13 B7D 02/28/13 SAB 02/28/13 JEO 02/28/13		CONSTRUCTION DATE INITIALS	
ISSUED FOR AMENDED ARTICLE 248 FILING ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING DESCRIPTION		1 SAB JEO 0 SAB JEO REV/DSN CK		VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT INDEX SHEET LOC. CHITTENDEN & ADDISON COUNTIES YEAR-2013 M.O. SCALE: 1"=500' DWG. ANSP-T-G-002 REV. 1	



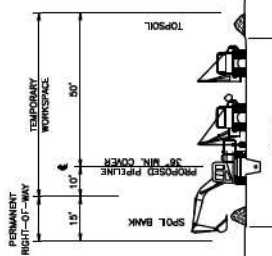
CONSTRUCTION TYPE 1A,
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR 75' CONSTRUCTION SPACE AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION



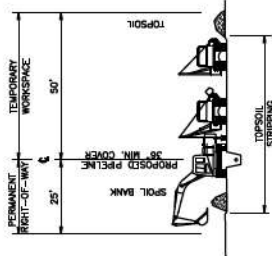
CONSTRUCTION TYPE 1B,
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR 75' CONSTRUCTION SPACE AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION



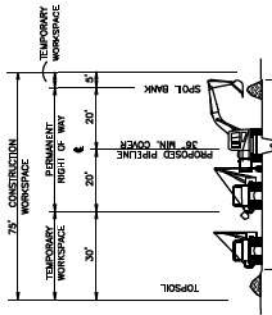
CONSTRUCTION TYPE 1F,
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR 75' CONSTRUCTION SPACE AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION



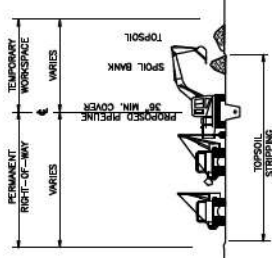
CONSTRUCTION TYPE 1C,
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR 75' CONSTRUCTION SPACE AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION



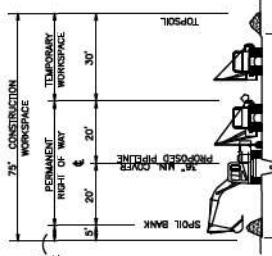
CONSTRUCTION TYPE 1H,
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR 75' CONSTRUCTION SPACE AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION



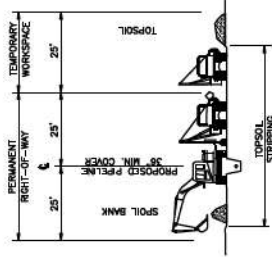
CONSTRUCTION TYPE 1D,
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR VARIABLE CONSTRUCTION SPACE AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION



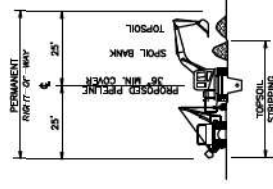
CONSTRUCTION TYPE 1J,
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR 75' CONSTRUCTION SPACE AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION



CONSTRUCTION TYPE 1E,
NOT TO SCALE

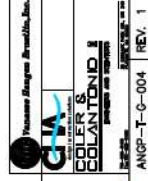
NOTE:
1. THIS CONFIGURATION IS FOR 75' CONSTRUCTION SPACE AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION



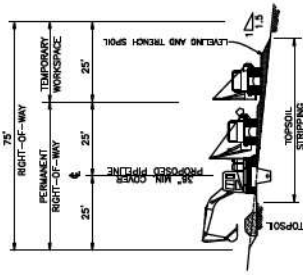
CONSTRUCTION TYPE 1A,
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR 50' CONSTRUCTION SPACE AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION

VERMONT GAS		CONSTRUCTION	
ENVIRONMENTAL	GIL	02/28/13	
DRAFTING SUPERVISOR	BZD	02/28/13	
DESIGN ENGINEER	SAB	02/28/13	
DESIGN MANAGER	JEQ	02/28/13	
ISSUED FOR AMENDED ARTICLE 248 FILING			
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING			
REV/DSN	CK		
DWG. NO.	REFERENCE DWG.		
		YEAR: 2013	DATE
		W.O.	INITIALS
		SCALE: NOTED	DATE
		LOC. GHITTENDEN & ADDISON COUNTIES	DATE
		CONSTRUCTION CONFIGURATION DETAILS	DATE
		ADISON NATURAL GAS PROJECT	DATE
		PROPOSED 12" PRELINE	DATE
		VERMONT GAS	DATE

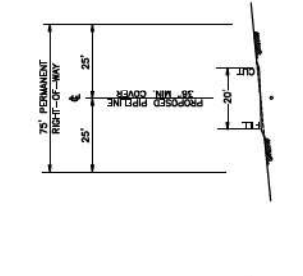


DWG. ANSP-T-0-004 REV. 1



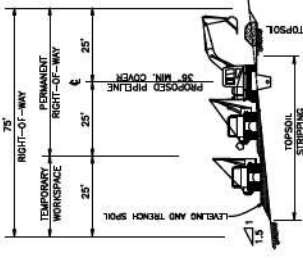
CONSTRUCTION TYPE 66
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR SIDE HILL SLOPE AND DOES NOT INCLUDE TEMPORARY WORKSPACE FOR CROSSINGS, WINDOW ROCK AND TOPSOIL SEGREGATION AND WETLANDS.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION.



CONSTRUCTION TYPE 68
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR SIDE HILL SLOPE AND DOES NOT INCLUDE TEMPORARY WORKSPACE FOR CROSSINGS, WINDOW ROCK AND TOPSOIL SEGREGATION AND WETLANDS.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION.



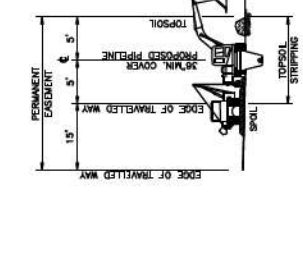
CONSTRUCTION TYPE 6A
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR SIDE HILL SLOPE AND DOES NOT INCLUDE TEMPORARY WORKSPACE FOR CROSSINGS, WINDOW ROCK AND TOPSOIL SEGREGATION AND WETLANDS.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION.



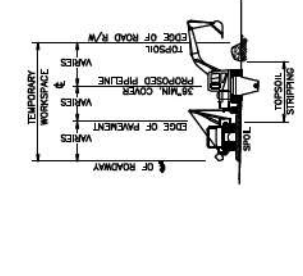
CONSTRUCTION TYPE 6B
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR SIDE HILL SLOPE AND DOES NOT INCLUDE TEMPORARY WORKSPACE FOR CROSSINGS, WINDOW ROCK AND TOPSOIL SEGREGATION AND WETLANDS.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION.



CONSTRUCTION TYPE 4E
NOT TO SCALE

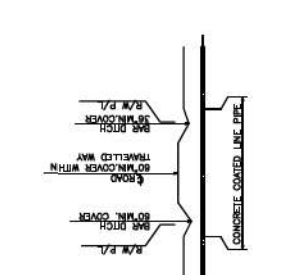
NOTE:
1. THIS CONFIGURATION IS FOR ROADSIDE CONSTRUCTION AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION.



CONSTRUCTION TYPE 4F
NOT TO SCALE

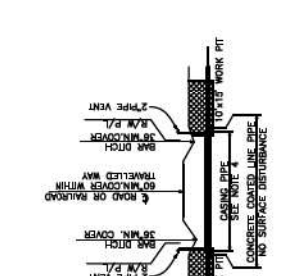
NOTE:
1. THIS CONFIGURATION IS FOR ROADSIDE CONSTRUCTION AND DOES NOT INCLUDE ADDITIONAL TEMP. WORKSPACE FOR CROSSINGS, SIDE HILL SLOPE, OR WINDOW ROCK AND TOPSOIL SEGREGATION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION.

SPACE INTENTIONALLY LEFT BLANK



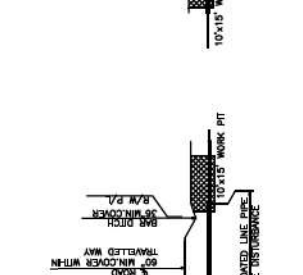
CONSTRUCTION TYPE 10
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR CAGED ROAD AND RAILROAD CROSSING CONSTRUCTION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION AND MATERIAL SPECIFICATIONS.
3. SEE SITE SPECIFIC SOIL BORING DETAILS FOR ADDITIONAL INFORMATION.
4. MATERIALS SHALL BE SELECTED MATERIAL PER VT GAS SPECIFICATIONS.



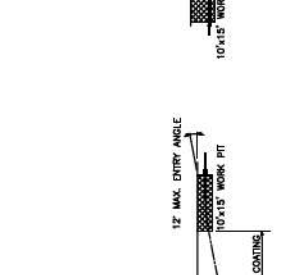
CONSTRUCTION TYPE 8
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR UNGRADED ROAD CROSSING CONSTRUCTION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION AND MATERIAL SPECIFICATIONS.
3. SEE SITE SPECIFIC SOIL BORING DETAILS FOR ADDITIONAL INFORMATION.



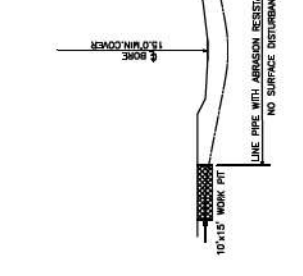
CONSTRUCTION TYPE 9
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR OPTIONAL STREAM OR ROAD CROSSING HORIZONTAL DIRECTIONAL DRILL.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION.
3. SEE SITE SPECIFIC SOIL BORING DETAILS FOR ADDITIONAL INFORMATION.



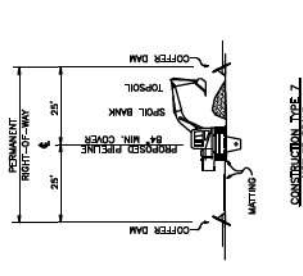
CONSTRUCTION TYPE 7
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR STREAM CROSSING AND DOES NOT INCLUDE TEMPORARY WORKSPACE FOR CROSSINGS, WINDOW ROCK AND TOPSOIL SEGREGATION AND WETLANDS.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION.



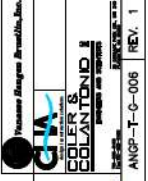
CONSTRUCTION TYPE 11
NOT TO SCALE

NOTE:
1. THIS CONFIGURATION IS FOR OPEN CUT ROAD CROSSING CONSTRUCTION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION AND MATERIAL SPECIFICATIONS.
3. SEE SITE SPECIFIC SOIL BORING DETAILS FOR ADDITIONAL INFORMATION.
4. MATERIALS SHALL BE SELECTED MATERIAL PER VT GAS SPECIFICATIONS.

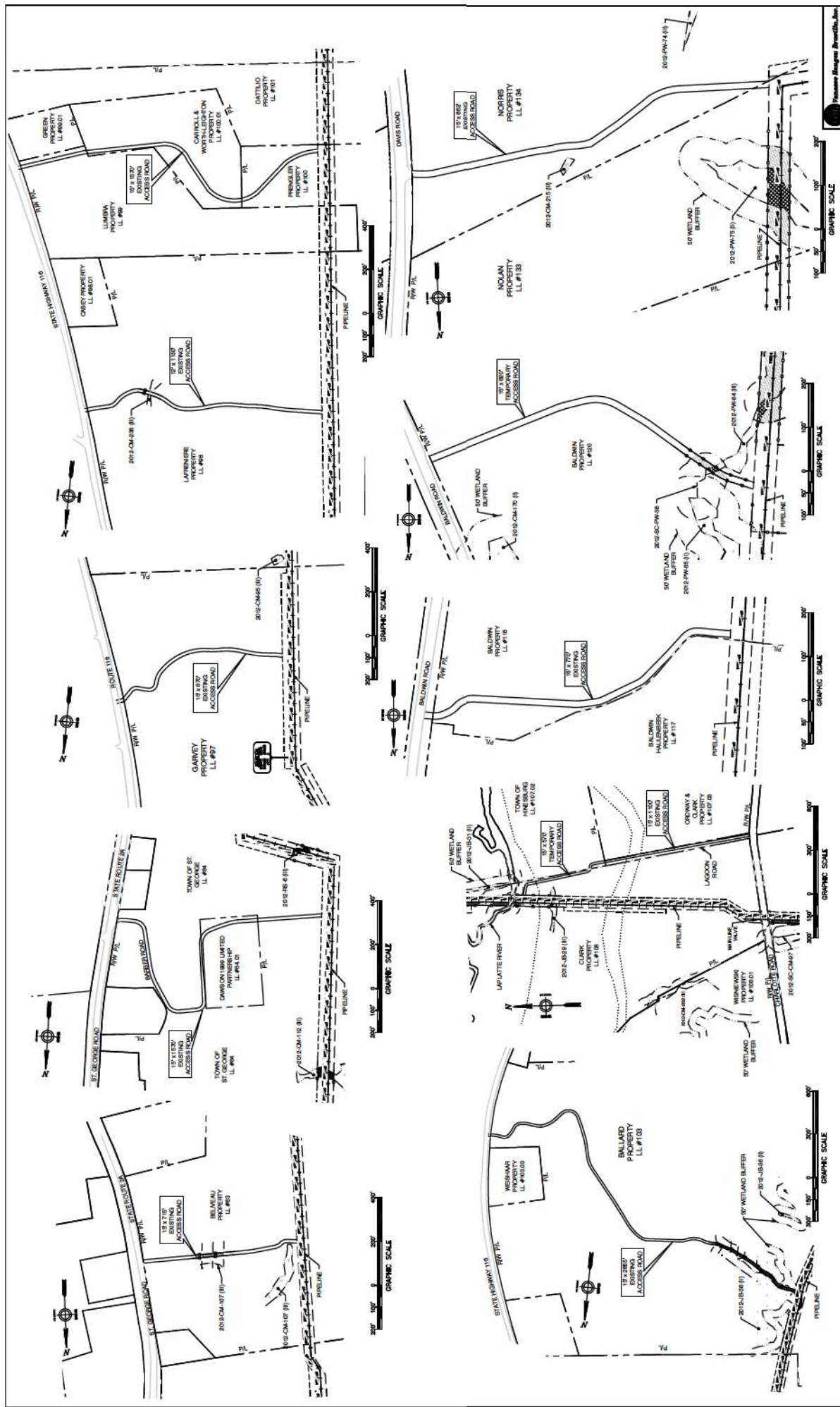


CONSTRUCTION TYPE 11
NOT TO SCALE

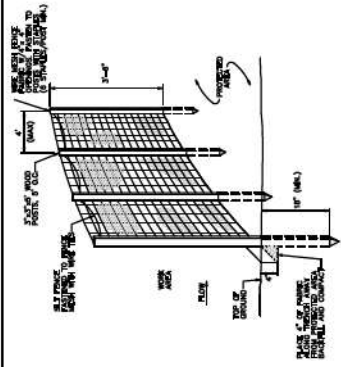
NOTE:
1. THIS CONFIGURATION IS FOR OPEN CUT ROAD CROSSING CONSTRUCTION.
2. SEE ALIGNMENT SHEETS FOR LOCATIONS OF THIS CONFIGURATION AND MATERIAL SPECIFICATIONS.
3. SEE SITE SPECIFIC SOIL BORING DETAILS FOR ADDITIONAL INFORMATION.
4. MATERIALS SHALL BE SELECTED MATERIAL PER VT GAS SPECIFICATIONS.



VERMONT GAS SERVICES		COLANTONI ENGINEERING	
ENVIRONMENTAL DESIGNER	GIL	DRAFTING SUPERVISOR	BZD
DESIGN ENGINEER	SAB	DESIGN ENGINEER	JE0
DESIGN MANAGER		DESIGN MANAGER	
ISSUED FOR AMENDED ARTICLE 248 FILING		ISSUED FOR AMENDED ARTICLE 248 FILING	
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING		ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	
REV USN CK		REV USN CK	
DWG. NO.	REFERENCE DWG.	DWG. NO.	REFERENCE DWG.
VERMONT GAS PROPOSED 12" PIPELINE	ADISON NATURAL GAS PROJECT	VERMONT GAS PROPOSED 12" PIPELINE	ADISON NATURAL GAS PROJECT
CONSTRUCTION CONFIGURATION DETAILS	CONSTRUCTION CONFIGURATION DETAILS	CONSTRUCTION CONFIGURATION DETAILS	CONSTRUCTION CONFIGURATION DETAILS
LOC. CHITTENDEN & ADISON COUNTIES	LOC. CHITTENDEN & ADISON COUNTIES	LOC. CHITTENDEN & ADISON COUNTIES	LOC. CHITTENDEN & ADISON COUNTIES
YEAR: 2013	YEAR: 2013	YEAR: 2013	YEAR: 2013
INITIALS	INITIALS	INITIALS	INITIALS
DATE	DATE	DATE	DATE
SCALE: NOTED	SCALE: NOTED	SCALE: NOTED	SCALE: NOTED
DWG. ANSP-T-G-006	DWG. ANSP-T-G-006	DWG. ANSP-T-G-006	DWG. ANSP-T-G-006
REV. 1	REV. 1	REV. 1	REV. 1

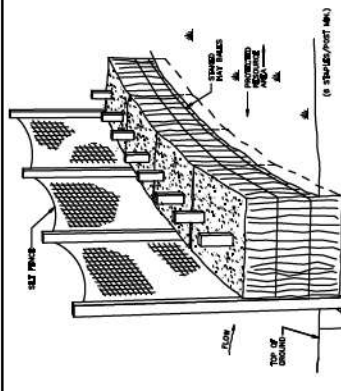


		VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ACCESS ROAD DETAILS	
ENVIRONMENTAL	BID	CONSTRUCTION	
DRAFTING DESIGNER	GIL	02/28/13	
DESIGN SUPERVISOR	BZD	02/28/13	
DESIGN ENGINEER	SAB	02/28/13	
DESIGN MANAGER	JEO	02/28/13	
ISSUED FOR AMENDED ARTICLE 248 FILING	1	SAB JEO	
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	0	SAB JEO	
REV/DSN	CK		
DWG. NO.	REFERENCE DWG.		
LOC.	CHITTENDEN & ADDISON COUNTIES	YEAR: 2013	M.O.
SCALE:	AS NOTED	DWG.	ANGP-T-C-009
REV.	1		



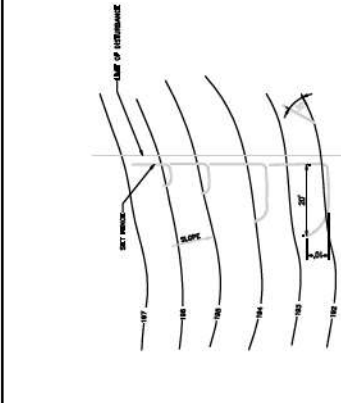
- Notes:**
- FILTER FABRIC SHALL BE EITHER FELT OR A MINIMUM 100% STRENGTH THIN OR APPROVED EQUIVALENT.
 - FOR FURTHER CLARITY WHEN BLOWDOWN IS DONE, POST SPACING SHALL NOT EXCEED 6 FEET. FOR CLOSURE FENCE WHEN BLOWDOWN IS DONE, POST SPACING SHALL NOT EXCEED 8 FEET.
 - WHEN TWO STRAINS OF FILTER FABRIC ARE USED, EACH OTHER THEY SHALL BE OVER-LAPPED BY 6 INCHES AND FINISHED.
 - PERMANENT UNITS SHALL BE GEOTEXTILE ENHANCEMENT OR APPROVED EQUIVALENT.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES THIN OF FABRIC HEIGHT AND DEPOSED IN AN UPLAND AREA.

1 Reinforced Silt Fence 12/72 U.L. 12/72



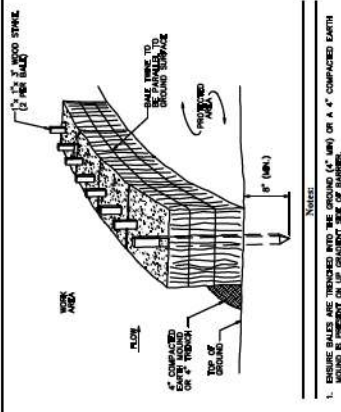
- Notes:**
- SILT FENCE NOTES FOR INSTALLATION SPECIFICATIONS.

2 Haybale and Silt Fence Erosion Control 12/72 U.L. 12/72



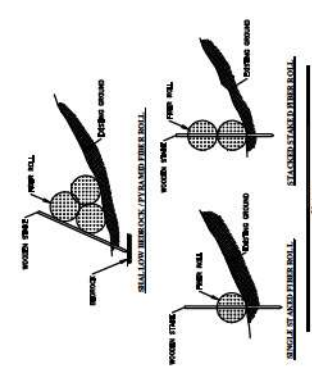
- Notes:**
- SILT FENCE SHALL BE INSTALLED IN SHORTEST ROWS WITH "J-HOOKS" TO AVOID POINTS ALONG A LINE. THE J-HOOKS SHALL BE 10 FEET FROM EACH OTHER AND THE SPACING BETWEEN J-HOOKS SHALL BE 10 FEET. THE SPACING BETWEEN J-HOOKS SHALL BE LIMITED TO 10 FEET. ALONG A ROWS OF 10 FEET, THE SPACING BETWEEN J-HOOKS SHALL BE LIMITED TO 10 FEET. ALONG A ROWS OF 10 FEET, THE SPACING BETWEEN J-HOOKS SHALL BE LIMITED TO 10 FEET.
 - SPACING BETWEEN J-HOOKS SHALL BE LIMITED TO 10 FEET. ALONG A ROWS OF 10 FEET, THE SPACING BETWEEN J-HOOKS SHALL BE LIMITED TO 10 FEET.
 - SPACING BETWEEN J-HOOKS SHALL BE LIMITED TO 10 FEET. ALONG A ROWS OF 10 FEET, THE SPACING BETWEEN J-HOOKS SHALL BE LIMITED TO 10 FEET.
 - SEE SILT FENCE NOTES FOR INSTALLATION SPECIFICATIONS.

3 Silt Fence "J-Hooks" 12/72 U.L. 12/72



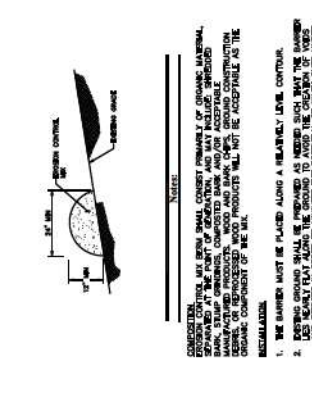
- Notes:**
- EROSION CONTROL SHALL BE INSTALLED WITH THE SEDIMENT (4" MIN) OR A 4" COMPACTED BATH MOUND PRESENT IN UP GRADUITY. SEE SECTION 12.00 FOR DETAILS.
 - EROSION CONTROL SHALL BE INSTALLED WITH THE SEDIMENT (4" MIN) OR A 4" COMPACTED BATH MOUND PRESENT IN UP GRADUITY. SEE SECTION 12.00 FOR DETAILS.
 - EROSION CONTROL SHALL BE INSTALLED WITH THE SEDIMENT (4" MIN) OR A 4" COMPACTED BATH MOUND PRESENT IN UP GRADUITY. SEE SECTION 12.00 FOR DETAILS.
 - EROSION CONTROL SHALL BE INSTALLED WITH THE SEDIMENT (4" MIN) OR A 4" COMPACTED BATH MOUND PRESENT IN UP GRADUITY. SEE SECTION 12.00 FOR DETAILS.
 - EROSION CONTROL SHALL BE INSTALLED WITH THE SEDIMENT (4" MIN) OR A 4" COMPACTED BATH MOUND PRESENT IN UP GRADUITY. SEE SECTION 12.00 FOR DETAILS.

4 Staked Hay Bale 12/72 U.L. 12/72



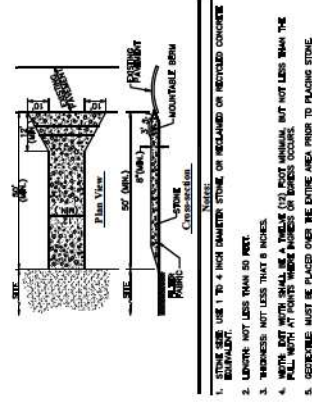
- Notes:**
- FIBER ROLL SHALL BE PLACED IN SHALLOW TRENCH UP TO 4", WHERE FEASIBLE. PLACING SOIL REMOVED FROM TRENCH BEHIND THE ROLL.
 - FIBER ROLL SHALL BE ANCHORED WITH 2" BY 2" WOODEN STAKES (4" LONG), OR SIMILAR, THESE FEASIBLE.
 - STAKES TO BE PLACED 4 FT APART, MINIMUM.
 - WHILE ON DORMER STAKES SHALL BE INSTALLED WITH 2" BY 2" WOODEN STAKES (4" LONG), OR SIMILAR, THESE FEASIBLE.
 - FIBER ROLL SHALL BE REPLACED OR REPLENISHED AS NEEDED DURING ACTIVE EARTH WORK.
 - EROSION CONTROL SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES THIN OF FABRIC HEIGHT AND DEPOSED IN AN UPLAND AREA.

5 Staked Fiber Roll 12/72 U.L. 12/72



- Notes:**
- THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR.
 - EROSION CONTROL SHALL BE PERFORMED AS NEEDED SUCH THAT THE BARRIER AND STAKES IN ORDER TO MINIMIZE THE POTENTIAL OF "WASH OUT" UNDER THE BARRIER.
 - WHEN THE BARRIER IS NOT FULLY COVERED BY A MIX BERM, USE A MIX BERM ON THE LEVEL SIDE OF THE BARRIER, AND A MINIMUM OF 2 FT. SEE CH 12.00 FOR DETAILS.
 - EROSION CONTROL MAY BE INSTALLED WITH STAKES (4" BY 2") ON THE LEVEL SIDE OF THE BARRIER, AND A MINIMUM OF 2 FT. SEE CH 12.00 FOR DETAILS.
 - EROSION CONTROL SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES THIN OF FABRIC HEIGHT AND DEPOSED IN AN UPLAND AREA.
 - EROSION CONTROL SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES THIN OF FABRIC HEIGHT AND DEPOSED IN AN UPLAND AREA.

6 Erosion Control Mix Berm 12/72 U.L. 12/72

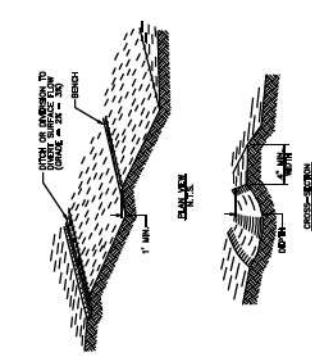


- Notes:**
- STONE SHALL BE 1 TO 4 INCH DIAMETER STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LAYER NOT LESS THAN 8 INCHES.
 - WHEN NOT LESS THAN 8 INCHES.
 - WHEN NOT LESS THAN 8 INCHES.
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7 Stabilized Construction Exit 12/72 U.L. 12/72

		VERMONT GAS PROPOSED 12" PIPELINE ADDITIONAL NATURAL GAS PROJECT CONSTRUCTION DETAILS	
ENVIRONMENTAL	BID	CONSTRUCTION	
DRAFTING DESIGNER	GIL	02/28/13	
DRAFTING SUPERVISOR	BZD	02/28/13	
DESIGN ENGINEER	SAB	02/28/13	
DESIGN MANAGER	JED	02/28/13	
INITIALS	DATE	INITIALS	DATE
1	SAB	JED	02/28/13
0	SAB	JED	02/28/13
REV	DSN	CK	
ISSUED FOR AMENDED ARTICLE 248 FILING ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING		YEAR: 2013 W.O. SCALE: NOTED DWG. ANGP-T-G-013 REV. 1	

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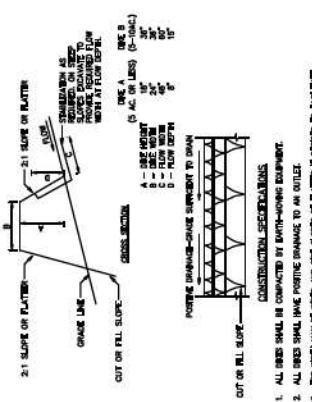


- 1** Diversion Swale and Berm
- NOTE:
- ALL REINFORCING, STRUCTURES, AND OTHER CONSTRUCTION SHALL BE PLACED ON A WELL GRADED STONE FOUNDATION TO THE LOWER CRUSTS TO A MINIMUM OF 18" IN THICKNESS.
 - SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CRESTS OF THE CHECK DAMS ARE AT THE SAME ELEVATION AS THE ELEVATION OF THE CREST OF THE DIVERSION DAM.
 - PROTECT THE STONE A MINIMUM OF 15 FEET BEHIND THE OTHER DAMS TO PROTECT THE CHANNEL DOWNSTREAM OF THE LATEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LOGS AS APPROPRIATE.
 - PROTECT THE CHANNEL DOWNSTREAM OF THE LATEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LOGS AS APPROPRIATE.
 - STONE DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM LOGS AND OTHER DEBRIS.
 - FEDERAL, STATE, AND/OR LOCAL REQUIREMENTS MAY OVERRIDE THESE SPECIFICATIONS AND/OR THE USE OF THIS DRAWING.

12/7/21 12/7/21 12/7/21

Scale: 1/8" = 1'-0"

Sheet: 10

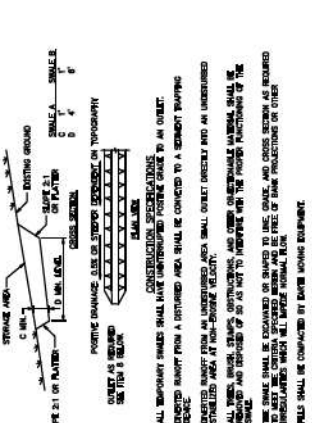


- 2** Earth Ditch
- NOTE:
- MINIMUM THICKNESS SHALL BE 12.0 IN. STONE DAMBER, BUT IN NO CASE < 12.0 IN.
 - THE TOP OF THE DAM SHALL BE IN A STABLE FORMATION & ITS BASE SHALL BE ON A MINIMUM OF 18" OF WELL GRADED STONE FOUNDATION.
 - STONE DAMBER SHALL BE BASED ON ANGLE OF REPOSE FOR SPECIFIC SIZE. (70° FOR 1.5 IN. STONE, 65° FOR 3.0 IN. STONE, 55° FOR 6.0 IN. STONE, 45° FOR 12.0 IN. STONE)

12/7/21 12/7/21 12/7/21

Scale: 1/8" = 1'-0"

Sheet: 11

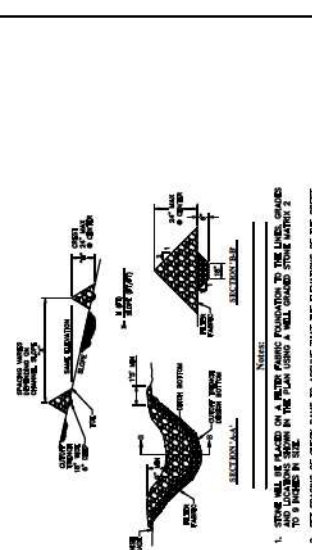


- 3** Temporary Swale
- NOTE:
- STABILIZATION SHALL BE AS PER THE FLOW CHANNEL STABILIZATION CHART BELOW.
 - TYPE OF CHANNEL:
 - 1. 1.5-3.0 IN. STONE
 - 2. 3.0-6.0 IN. STONE
 - 3. 6.0-12.0 IN. STONE
 - 4. 12.0-18.0 IN. STONE
 - 1.5-3.0 IN. STONE AND COVER WITH RIP-RAP
 - 6.0-12.0 IN. STONE AND COVER WITH RIP-RAP

12/7/21 12/7/21 12/7/21

Scale: 1/8" = 1'-0"

Sheet: 12

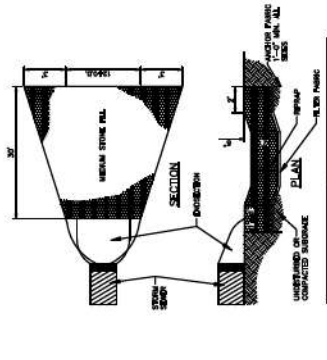


- 4** Stone Check Dam
- NOTE:
- STONE SHALL BE PLACED ON A WELL GRADED STONE FOUNDATION TO THE LOWER CRUSTS TO A MINIMUM OF 18" IN THICKNESS.
 - SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CRESTS OF THE CHECK DAMS ARE AT THE SAME ELEVATION AS THE ELEVATION OF THE CREST OF THE DIVERSION DAM.
 - PROTECT THE STONE A MINIMUM OF 15 FEET BEHIND THE OTHER DAMS TO PROTECT THE CHANNEL DOWNSTREAM OF THE LATEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LOGS AS APPROPRIATE.
 - PROTECT THE CHANNEL DOWNSTREAM OF THE LATEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LOGS AS APPROPRIATE.
 - STONE DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM LOGS AND OTHER DEBRIS.
 - FEDERAL, STATE, AND/OR LOCAL REQUIREMENTS MAY OVERRIDE THESE SPECIFICATIONS AND/OR THE USE OF THIS DRAWING.

12/7/21 12/7/21 12/7/21

Scale: 1/8" = 1'-0"

Sheet: 13

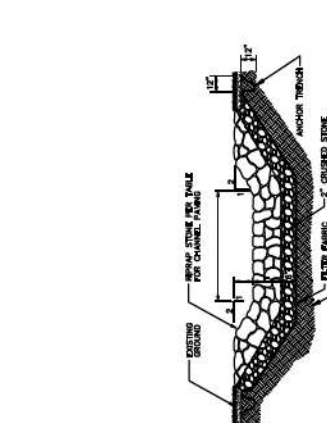


- 6** Riprap Slope Protection
- NOTE:
- MINIMUM THICKNESS SHALL BE 12.0 IN. STONE DAMBER, BUT IN NO CASE < 12.0 IN.
 - THE TOP OF THE DAM SHALL BE IN A STABLE FORMATION & ITS BASE SHALL BE ON A MINIMUM OF 18" OF WELL GRADED STONE FOUNDATION.
 - STONE DAMBER SHALL BE BASED ON ANGLE OF REPOSE FOR SPECIFIC SIZE. (70° FOR 1.5 IN. STONE, 65° FOR 3.0 IN. STONE, 55° FOR 6.0 IN. STONE, 45° FOR 12.0 IN. STONE)

12/7/21 12/7/21 12/7/21

Scale: 1/8" = 1'-0"

Sheet: 14

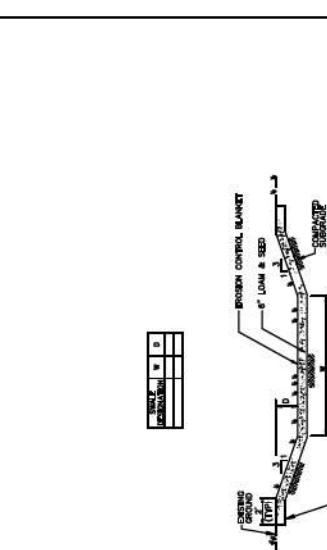


- 6** Stone-lined Channel Swale
- NOTE:
- MINIMUM THICKNESS SHALL BE 12.0 IN. STONE DAMBER, BUT IN NO CASE < 12.0 IN.
 - THE TOP OF THE DAM SHALL BE IN A STABLE FORMATION & ITS BASE SHALL BE ON A MINIMUM OF 18" OF WELL GRADED STONE FOUNDATION.
 - STONE DAMBER SHALL BE BASED ON ANGLE OF REPOSE FOR SPECIFIC SIZE. (70° FOR 1.5 IN. STONE, 65° FOR 3.0 IN. STONE, 55° FOR 6.0 IN. STONE, 45° FOR 12.0 IN. STONE)

12/7/21 12/7/21 12/7/21

Scale: 1/8" = 1'-0"

Sheet: 15



- 7** Grassed Swale
- NOTE:
- MINIMUM THICKNESS SHALL BE 12.0 IN. STONE DAMBER, BUT IN NO CASE < 12.0 IN.
 - THE TOP OF THE DAM SHALL BE IN A STABLE FORMATION & ITS BASE SHALL BE ON A MINIMUM OF 18" OF WELL GRADED STONE FOUNDATION.
 - STONE DAMBER SHALL BE BASED ON ANGLE OF REPOSE FOR SPECIFIC SIZE. (70° FOR 1.5 IN. STONE, 65° FOR 3.0 IN. STONE, 55° FOR 6.0 IN. STONE, 45° FOR 12.0 IN. STONE)

12/7/21 12/7/21 12/7/21

Scale: 1/8" = 1'-0"

Sheet: 16

NO.	DESCRIPTION	DATE	INITIALS	DATE	INITIALS
1	SAB JED	ISSUED FOR AMENDED ARTICLE 248 FILING	JED	02/28/13	
0	SAB JED	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	JED	02/28/13	
REV	DSN CK	DESCRIPTION			

ENVIRONMENTAL
DRAFTING DESIGNER
DRAFTING SUPERVISOR
DESIGN ENGINEER
DESIGN MANAGER

BID
02/28/13
02/28/13
02/28/13
02/28/13

GIL
BZD
SAB
JED

CONSTRUCTION
02/28/13
02/28/13
02/28/13
02/28/13

12/7/21 12/7/21 12/7/21

Scale: 1/8" = 1'-0"

Sheet: 17

5 Outlet Protection

NOTE:

- OUTLET PROTECTION MAY BE DONE BY USING ROCK RIP-RAP, CRUSHED RIP-RAP, OR OTHER MATERIALS AS LONG AS THE PROTECTION IS AT LEAST 18" THICK AND IS PROTECTED FROM SCOUR.
- STONE SIZE SHALL BE A WELL GRADED MIXTURE OF 1.5 IN. TO 3.0 IN. STONE.
- STONE SIZE SHALL BE A WELL GRADED MIXTURE OF 1.5 IN. TO 3.0 IN. STONE.

REFERENCE DWG.

DWG. NO.

YEAR: 2013 W.O.

SCALE: NOTED

LOC: CHITTENDEN & ADDISON COUNTIES

PROJECT: VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT CONSTRUCTION DETAILS

PROJECT NO. ANGP-T-G-014

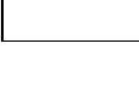
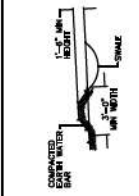
REV. 1

12/7/21 12/7/21 12/7/21

Scale: 1/8" = 1'-0"

Sheet: 18

AS SLOPE CHART	WATERBAR SPACING
1:1	75
1.5:1	100
2:1	125
2.5:1	150
3:1	175



MULCH MATERIAL AND APPLICATION	
MULCH MATERIAL	DEPTH OF APPLICATION
GRAVEL	2" - 3"
WOOD CHIPS	4"
WOOD STRAW	4"
WOOD SHAVINGS	4"
WOOD PELLETS	4"
WOOD CHIPS	4"
WOOD STRAW	4"
WOOD SHAVINGS	4"
WOOD PELLETS	4"

- MULCH TO BE APPLIED AS NEEDED TO MINIMIZE EROSION POTENTIAL FOR...
- MULCH MUST NOT CONTAIN INVASIVE PLANT SPECIES. (CHECK FOR WEEDS OR SOILS)
- THICKNESS MAY BE WATER, METALS, OR SOLUBLE.
- OTHER THAN EROSION CONTROL, MULCH IS NOT TO BE INSTALLED ON SLOPES > 3:1.

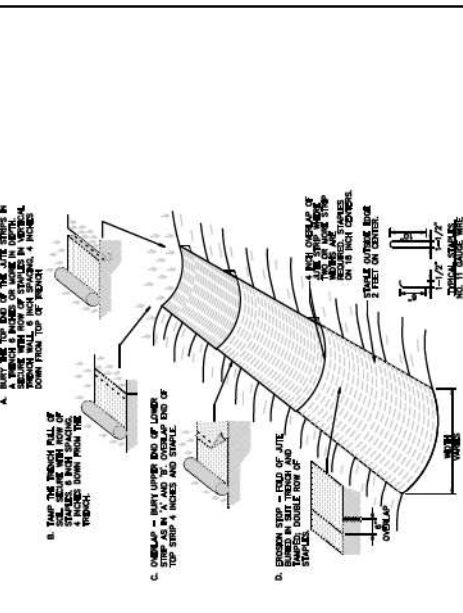
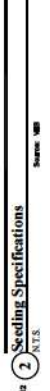
1 Mulch Table

2 Seeding Specifications

3 Surface Roughening

4 Rolled Erosion Control Blanket - Swale Installation

- APPLY MULCH TO SLOPES GREATER THAN 3:1 OR WHERE NECESSARY TO AID IN ESTABLISHING...
- APPLY TOP SOIL REFINER, LIME AND SEED PRIOR TO PLACING MULCH.
- APPLY MULCH TO SLOPES GREATER THAN 3:1 OR WHERE NECESSARY TO AID IN ESTABLISHING...
- APPLY MULCH TO SLOPES GREATER THAN 3:1 OR WHERE NECESSARY TO AID IN ESTABLISHING...
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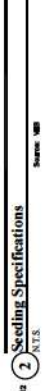
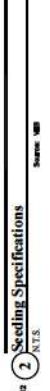
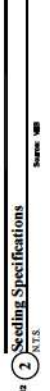
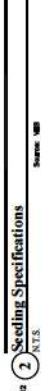
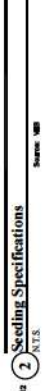
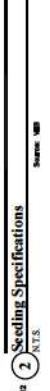
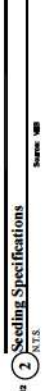
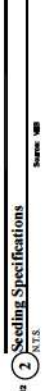
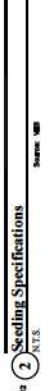
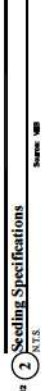
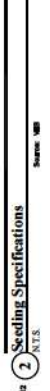
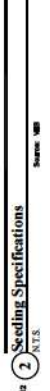
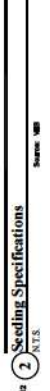
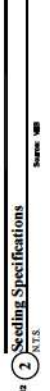
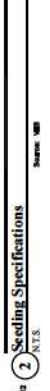
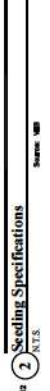
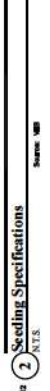
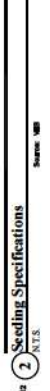
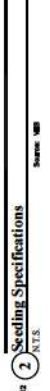
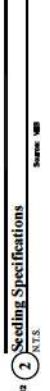
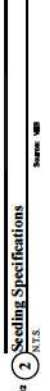
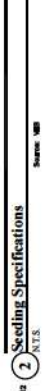
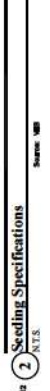
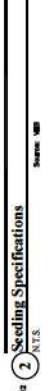
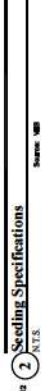
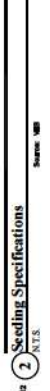
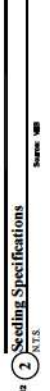
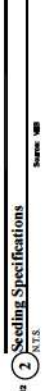
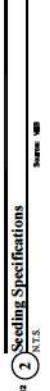
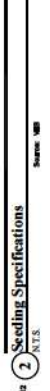
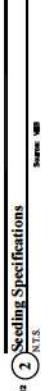
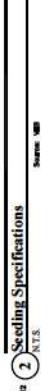
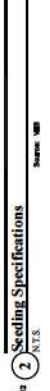
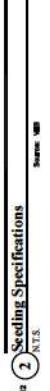
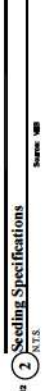
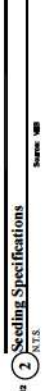
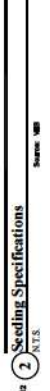
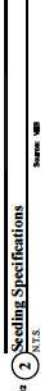
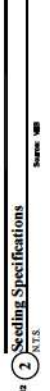
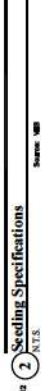
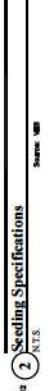
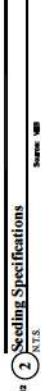
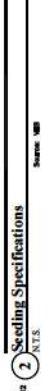
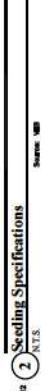
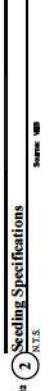


5 Rolled Erosion Control Blanket - Slope Installation

6 Streambank Restoration with RECP

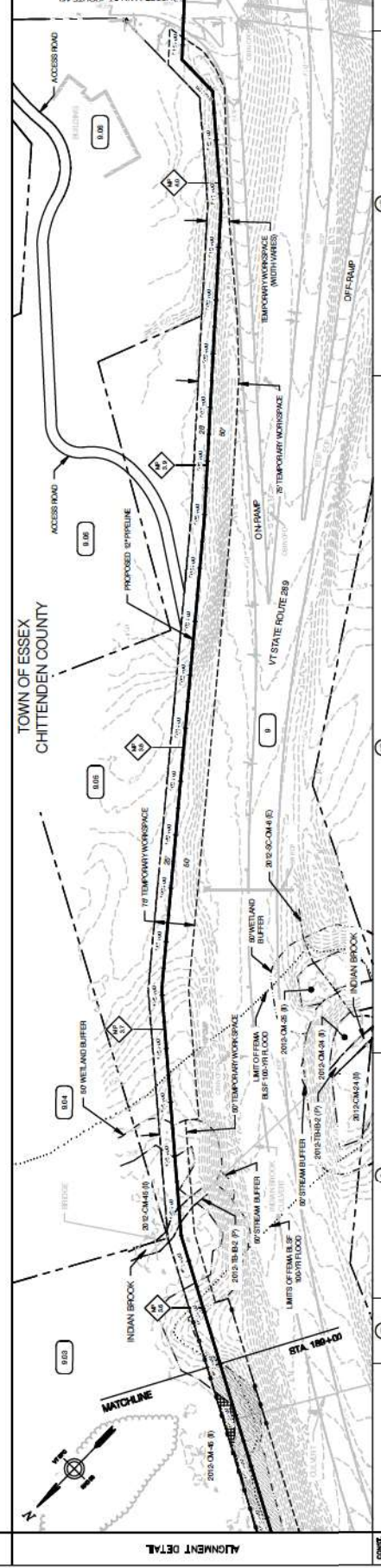
7 Streambank Stabilization with Rip Rap

8 Rolled Erosion Control Blanket - Swale Installation

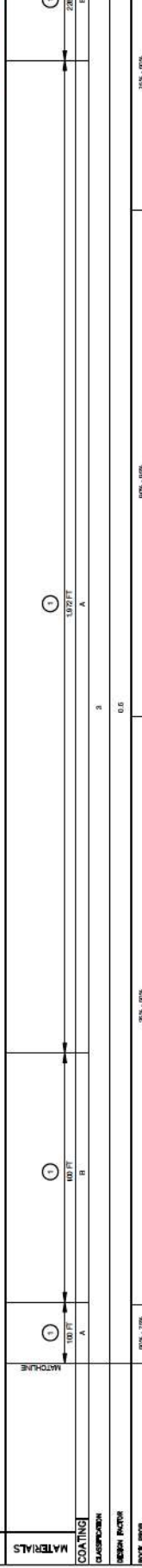


RIGHT-OF-WAY MATCHLINE
 EDWARD DUMBER
 0.00
 STATE OF VERMONT
 0.00
 PHERIALELLIC
 MATCHLINE

SURVEY DATA
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PROFILE
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LEGEND		INTERCEPTOR DWE/TRENCH PLUG SPACING	
SYMBOL	DESCRIPTION	SLOPE	SPACING
○	PERMANENT INTERCEPTOR DWE	< 5%	NO STRUCTURE
△	TRENCH PLUG (AS REQUIRED)	5 - 15%	300 FT
○	INTERCEPTOR DWE WITH CHISELED STONE BRIDGE, 3:1 T	15 - 20%	200 FT
○	INTERCEPTOR DWE WITH CHISELED STONE BRIDGE, 3:1 T	> 20%	100 FT
▽	CONSTRUCTION LIMIT TO BE OBSERVED		

ENVIRONMENTAL	BID	CONSTRUCTION
DRAFTING DESIGNER	GIL	02/28/13
DRAFTING SUPERVISOR	BZD	02/28/13
DESIGN ENGINEER	SAB	02/28/13
DESIGN MANAGER	JEO	02/28/13

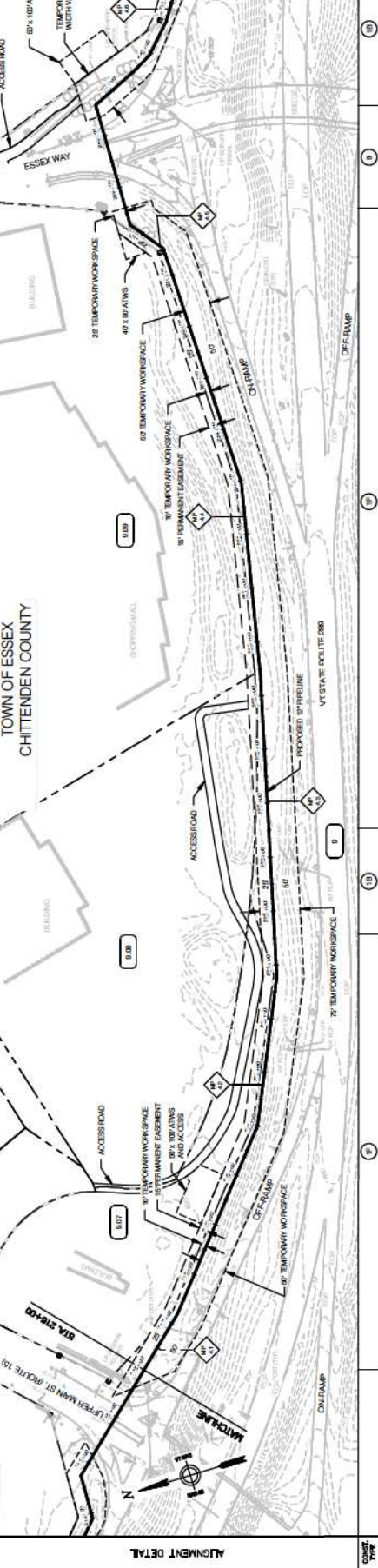
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ISSUED FOR AMENDED ARTICLE 248 FILING	1	SAB	LEO
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	0	SAB	LEO
REFERENCE DWG.			

PROJECT	SCALE	DATE	YEAR	W.O.	DWG.	ANGP-T-C-008	REV.
VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET	1" = 100'	2013	2013				1

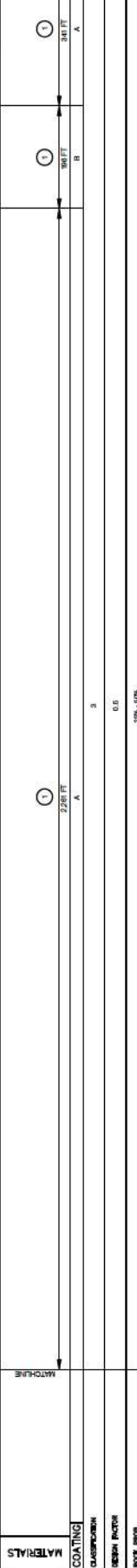
NOT FOR CONSTRUCTION

RIGHT-OF-WAY MATCHLINE 8.07.13 NPT GROUP 8.09.13 HANFORD INC. CO. 8.09.13 FURNACE METAL INDUSTRIES, LTD. 8.10.13 SHERWOOD MECHANICAL ASSOCIATION 8.10.13 MATCHLINE

STATE OF VERMONT
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LEGEND		INTERCEPTOR DWE/TRENCH PLUG SPACING	
SYMBOL	DESCRIPTION	SLOPE	SPACING
○	PERMANENT INTERCEPTOR DWE	< 5%	NO STRUCTURE
△	TRENCH PLUG (AS REQUIRED)	5 - 15%	300 FT
□	INTERCEPTOR DWE WITH COVERED STONE BRIDGE, 3:1 T	15 - 20%	200 FT
◇	INTERCEPTOR DWE WITH COVERED STONE BRIDGE, 3:1 T	> 20%	100 FT
▽	CONSTRUCTION DETAIL REFERENCE		

CLASSIFICATION	DESCRIPTION	DATE	INITIALS	DATE	INITIALS
ENVIRONMENTAL	DRAFTING DESIGNER	GIL	02/28/13		
	DRAFTING SUPERVISOR	BZD	02/28/13		
	DESIGN ENGINEER	SAB	02/28/13		
	DESIGN MANAGER	JEO	02/28/13		

BID	CONSTRUCTION
ENVIRONMENTAL	GIL
DRAFTING SUPERVISOR	BZD
DESIGN ENGINEER	SAB
DESIGN MANAGER	JEO

CONSTRUCTION	DATE	INITIALS	DATE	INITIALS
ISSUED FOR AMENDED ARTICLE 248 FILING				
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING				
REV DSN	CK			

ANGP-EFSC-009	EPSC PLAN
0	SAB LEO
1	SAB LEO

DWG. NO.	REFERENCE DWG.
G-001 - 010	

SCALE	SCALE
1" = 100'	1" = 100'

YEAR	DATE	INITIALS	DATE	INITIALS
2013	02/28/13			

PROJECT	LOCATION
VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT	CHITTENDEN COUNTY, VERMONT

PROJECT	SCALE
VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET	1" = 100'

PROJECT	SCALE
VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET	1" = 100'

PROJECT	SCALE
VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET	1" = 100'

NOT FOR CONSTRUCTION

Vermont Gas
 ANGP-T-C-009 REV. 1

RIGHT-OF-WAY MATCHLINE

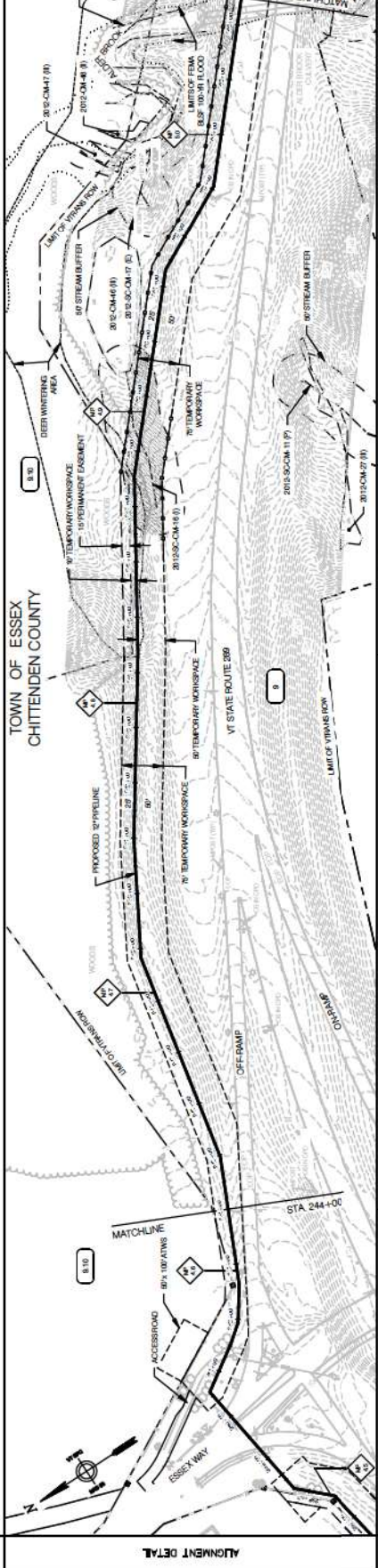
B.L.D. 9 N.F. SHARBROOK HOMEOWNERS ASSOCIATION

B.L.D. 9 N.F. STATE OF VERMONT

MATCHLINE

SURVEY DATA

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PROFILE

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MATERIALS

MATCHLINE

1 12" PIPING

1 30" SAND

1 6" GRAVEL

1 18" SAND

1 12" PIPING

1 30" SAND

1 6" GRAVEL

1 18" SAND

SYMBOL	DESCRIPTION	SPACING
○	PERMANENT INTERSECTION DWG.	NO STRUCTURE
△	TRENCH PLUG (AS REQUIRED)	300 FT
○	FLUSH WITH FINAL SURFACE AND WITH CURBED STONE BRIDGE SILT COVER	300 FT
○	FLUSH WITH 4" CONCRETE CURB AND WITH CURBED STONE BRIDGE SILT COVER	100 FT
△	CONSTRUCTION DETAIL REFERENCE	

LEGEND

INTERCEPTOR DWE/TRENCH PLUG SPACING

SLOPE: < 5% (NO STRUCTURE), 5 - 15% (300 FT), 15 - 20% (300 FT), > 20% (100 FT)

EPSC PLAN COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS

ANGP-EPSC-0010

G-001 - 010 REFERENCE DWG.

REVISIONS:

NO.	DATE	BY	DESCRIPTION
1	SAB LEO		ISSUED FOR AMENDED ARTICLE 248 FILING
0	SAB LEO		ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING
REV	DSN CK		REFERENCE DWG.

ENVIRONMENTAL DRAFTING DESIGNER: GIL 02/28/13

DRAFTING SUPERVISOR: BZD 02/28/13

DESIGN ENGINEER: SAB 02/28/13

DESIGN MANAGER: JEO 02/28/13

CONSTRUCTION BID

ENVIRONMENTAL DRAFTING DESIGNER: GIL 02/28/13

DRAFTING SUPERVISOR: BZD 02/28/13

DESIGN ENGINEER: SAB 02/28/13

DESIGN MANAGER: JEO 02/28/13

VERMONT GAS PROPOSED 12" PIPELINE ADDITION NATURAL GAS PROJECT ALIGNMENT SHEET

LOC: CHITTENDEN COUNTY, VERMONT

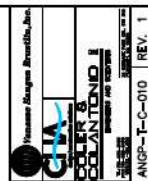
YEAR: 2013

SCALE: 1" = 100'

DWG. ANGP-T-C-010 REV. 1

ANGP-T-C-010 REV. 1

NOT FOR CONSTRUCTION



RIGHT-OF-WAY

STATE OF VERMONT

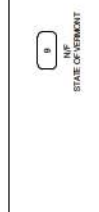
FORESTAL GROUP, LLC

MATCHLINE

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SURVEY DATA

TOWN OF ESSEX
CHITTENDEN COUNTY



ALIGNMENT DETAIL

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PROFILE

MATERIALS

COATING

CLASSIFICATION

DESIGN FACTOR

ROCK PROB.

LEGEND

SYMBOL

DESCRIPTION

PERMANENT INTERCEPTOR DWE

TRENCH PLUG (AS REQUIRED)

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 30 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 50 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 100 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 150 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 200 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 250 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 300 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 350 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 400 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 450 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 500 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 550 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 600 FT

INTERCEPTOR DWE WITH COARSEST STONE BRIDGE, 650 FT

INTERCEPTOR DWE/TRENCH PLUG SPACING

SLOPE

< 5%

5 - 10%

10 - 20%

> 20%

NO STRUCTURE

300 FT

500 FT

100 FT

150 FT

200 FT

250 FT

300 FT

350 FT

400 FT

450 FT

500 FT

ENVIRONMENTAL

DRAFTING DESIGNER

GIL

02/28/13

ENVIRONMENTAL

DRAFTING SUPERVISOR

BZD

02/28/13

DESIGN ENGINEER

SAB

02/28/13

DESIGN ENGINEER

JEO

02/28/13

DESIGN MANAGER

INITIALS

DATE

CONSTRUCTION

ENVIRONMENTAL

DRAFTING DESIGNER

GIL

02/28/13

ENVIRONMENTAL

DRAFTING SUPERVISOR

BZD

02/28/13

DESIGN ENGINEER

SAB

02/28/13

DESIGN ENGINEER

JEO

02/28/13

DESIGN MANAGER

INITIALS

DATE

CONSTRUCTION

ENVIRONMENTAL

DRAFTING DESIGNER

GIL

02/28/13

ENVIRONMENTAL

DRAFTING SUPERVISOR

BZD

02/28/13

DESIGN ENGINEER

SAB

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DESIGN ENGINEER

JEO

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DESIGN MANAGER

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GIL

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ENVIRONMENTAL

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DESIGN MANAGER

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02/28/13

DESIGN MANAGER

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ENVIRONMENTAL

DRAFTING SUPERVISOR

BZD

02/28/13

DESIGN ENGINEER

SAB

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DESIGN ENGINEER

JEO

02/28/13

DESIGN MANAGER

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DESIGN ENGINEER

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DESIGN MANAGER

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DRAFTING DESIGNER

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ENVIRONMENTAL

DRAFTING SUPERVISOR

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DESIGN ENGINEER

SAB

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ENVIRONMENTAL

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02/28/13

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02/28/13

DESIGN MANAGER

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GIL

02/28/13

ENVIRONMENTAL

DRAFTING SUPERVISOR

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DESIGN ENGINEER

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DESIGN ENGINEER

JEO

02/28/13

DESIGN MANAGER

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DRAFTING DESIGNER

GIL

02/28/13

ENVIRONMENTAL

DRAFTING SUPERVISOR

BZD

02/28/13

DESIGN ENGINEER

SAB

02/28/13

DESIGN ENGINEER

JEO

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DESIGN MANAGER

INITIALS

DATE

CONSTRUCTION

ENVIRONMENTAL

DRAFTING DESIGNER

GIL

02/28/13

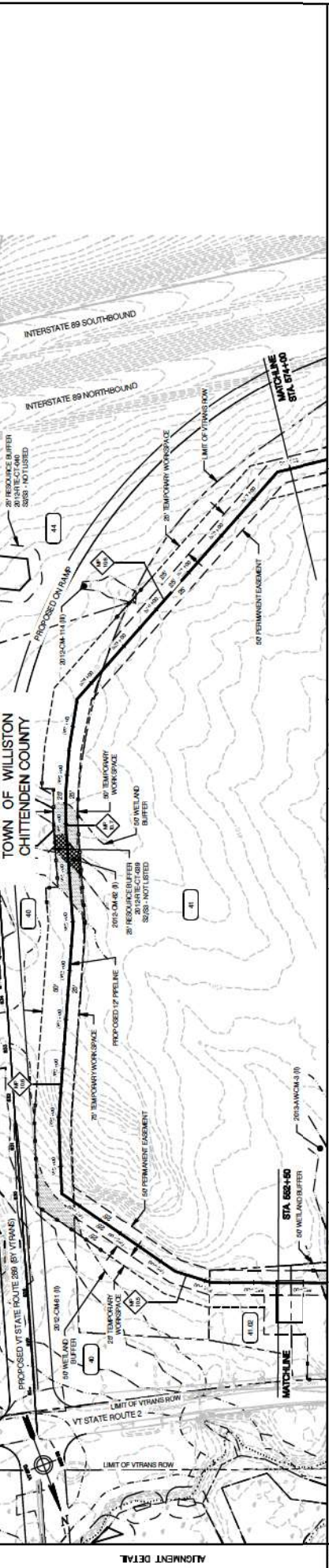
ENVIRONMENTAL

DRAFTING SUPERVISOR

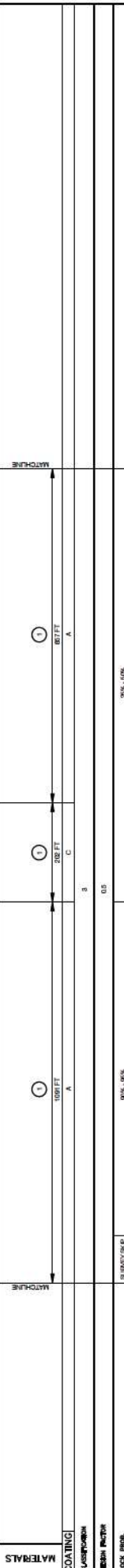
BZD

RIGHT-OF-WAY MATCHLINE
 4102 STATE OF VERMONT, AGENCY OF TRANSPORTATION
 41 TOWN OF WILLISTON
 41 STATE OF VERMONT, AGENCY OF TRANSPORTATION
 41 TOWN OF WILLISTON
 4102 STATE OF VERMONT, AGENCY OF TRANSPORTATION
 41 TOWN OF WILLISTON
 MATCHLINE

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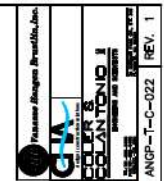


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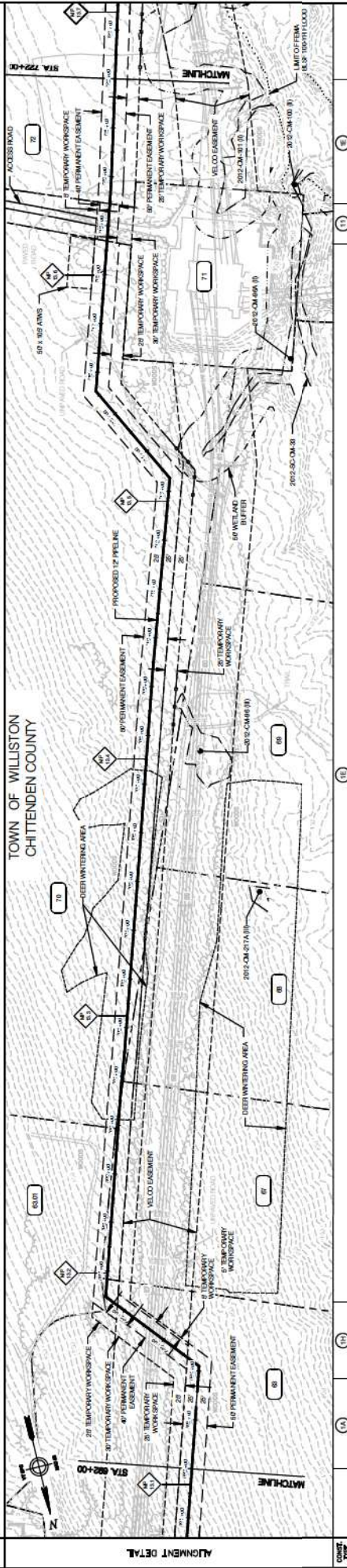
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ENVIRONMENTAL	DESIGNER	02/28/13	GL	02/28/13			
DRAFTING	SUPERVISOR	BZD	02/28/13				
DESIGN	ENGINEER	SAB	02/28/13				
DESIGN	MANAGER	JEO	02/28/13				
ISSUED FOR AMENDED ARTICLE 248 FILING							
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING							
CONSTRUCTION							
VERMONT GAS							
ADDITIONAL GAS PROJECT							
ALIGNMENT SHEET							
LOCALITY	CHITTENDEN COUNTY, VERMONT						
YEAR	2013						
SCALE	1" = 100'						
DWG. NO.	ANGP-T-C-022						
REV.	1						

NOT FOR CONSTRUCTION



RIGHT-OF-WAY	85 NIP MPCOTEL, NICHOLS & STRA	86 NIP JOHNSON, ROBERT H & SIBBLEY	87 NIP SPENCER, REBECCA	88 NIP TANDON, JUPA & PATRICK	89 NIP MORIN, JOHNN, FIDES-MORIN, LAUREL	90 NIP BETHON, ALICE E & MARILL	91 NIP VINTAGE FRANSSO LLC	92 NIP LUCARE, BRUCE E SAME AS PARALLEL	MATCHLINE
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MATERIALS	1 208 FT	2 78 FT	3 20 FT	4 20 FT	MATCHLINE
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NOT FOR CONSTRUCTION

SYMBOL	DESCRIPTION	LEGEND
△	PERMANENT INTERSECTION DWG.	INTERCEPTOR DWE/TRENCH PLUS SPACING
○	TRENCH PLUS (AS REQUIRED)	SLOPE
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	< 5%
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	5 - 15%
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	15 - 20%
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	> 20%
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	NO STRUCTURE
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	300 FT
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	200 FT
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	100 FT
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	NO STRUCTURE
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	300 FT
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	200 FT
○	STRENGTHENED PAVEMENT OVER EXISTING CURB WITH CURBED STONE BRIDGE, 3:1 FILL	100 FT

SCALE: 1" = 100' W.O.

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
ALIGNMENT SHEET

ENVIRONMENTAL
DRAFTING DESIGNER
DRAFTING SUPERVISOR
DESIGN ENGINEER
DESIGN MANAGER

ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

DATE: 02/28/13
INITIALS: GIL, BZD, SAB, JEO

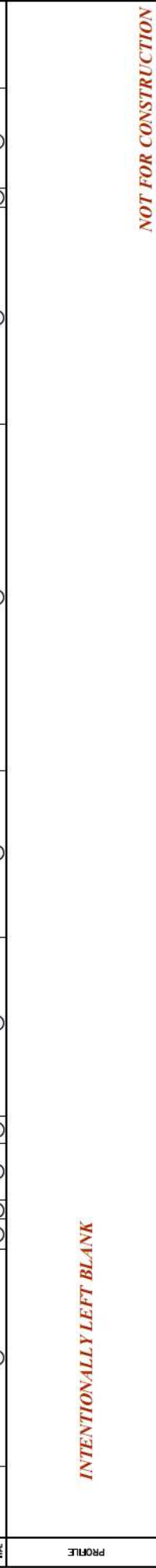
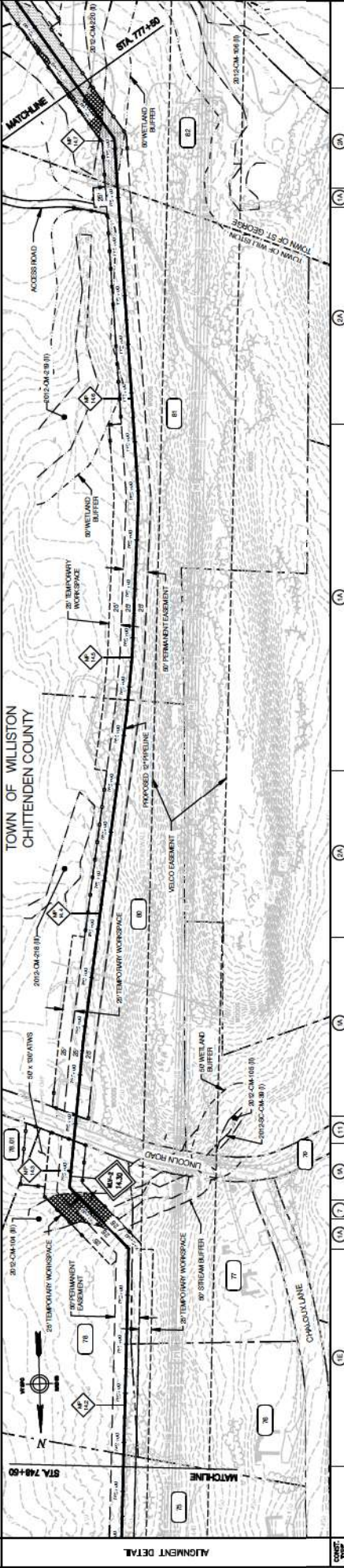
YEAR: 2013
DATE: 02/28/13
INITIALS: GIL, BZD, SAB, JEO

SCALE: 1" = 100' W.O.

ANGP-EPSC-027
G-001 - 010
DWG. NO.

ANGP-T-C-027 REV. 1

RIGHT-OF-WAY MATCHLINE 76 OWNER: AMERICAN ROAD & PAUL TAP PROJECT: ARMISTEADS DRIVE & PAUL TAP	78 CHIKOIA WHITE DOT/ENCL MAP 77 HAZEMAN, KENNETH MURANDOL, MARISA CAMPBELL, ELLEN
TOWN OF WILLSTON TOWN OF ST. GEORGE MATCHLINE	80 CORWAN, WILLIAM F. & CHRISTINE
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NOT FOR CONSTRUCTION

MATERIALS	MATCHLINE	<table border="1" style="width: 100%;"> <tr><td>1</td><td>3-1/2\"/></td></tr> <tr><td>2</td><td>3-1/2\"/></td></tr> <tr><td>3</td><td>3-1/2\"/></td></tr> </table>	1	3-1/2\"/>	2	3-1/2\"/>	3	3-1/2\"/>	<table border="1" style="width: 100%;"> <tr><td>1</td><td>2\"/></td></tr> <tr><td>2</td><td>2\"/></td></tr> <tr><td>3</td><td>2\"/></td></tr> </table>	1	2\"/>	2	2\"/>	3	2\"/>	<table border="1" style="width: 100%;"> <tr><td>1</td><td>2\"/></td></tr> <tr><td>2</td><td>2\"/></td></tr> <tr><td>3</td><td>2\"/></td></tr> </table>	1	2\"/>	2	2\"/>	3	2\"/>	<table border="1" style="width: 100%;"> <tr><td>1</td><td>2\"/></td></tr> <tr><td>2</td><td>2\"/></td></tr> <tr><td>3</td><td>2\"/></td></tr> </table>	1	2\"/>	2	2\"/>	3	2\"/>	<table border="1" style="width: 100%;"> <tr><td>1</td><td>2\"/></td></tr> <tr><td>2</td><td>2\"/></td></tr> <tr><td>3</td><td>2\"/></td></tr> </table>	1	2\"/>	2	2\"/>	3	2\"/>	<table border="1" style="width: 100%;"> <tr><td>1</td><td>2\"/></td></tr> <tr><td>2</td><td>2\"/></td></tr> <tr><td>3</td><td>2\"/></td></tr> </table>	1	2\"/>	2	2\"/>	3	2\"/>
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COATING	MATCHLINE	1.00" MIN	1.00" MIN	1.00" MIN	1.00" MIN	1.00" MIN	1.00" MIN	1.00" MIN																																			
DESIGN FACTOR		0.75	0.75	0.75	0.75	0.75	0.75	0.75																																			
PIPE MATERIAL		HDPE, 80% 12" DIA. X 0.315" THICK, 15' LENGTH 12" DIA. X 0.315" THICK, 15' LENGTH 12" DIA. X 0.315" THICK, 15' LENGTH																																									

NOT FOR CONSTRUCTION

SYMBOL	DESCRIPTION	LEGEND
\square	PERMANENT INTERCEPTOR DRAIN	INTERCEPTOR DRAIN/TRENCH PLUG SPACING
Δ	TRENCH PLUG (AS REQUIRED)	SLOPE
\square	2" DIA. HOLLOW PIPE WITH 1" OVERLAP STAKE BRIDGE, SET TRACK	< 2%
\square	2" DIA. HOLLOW PIPE WITH 1" OVERLAP STAKE BRIDGE, SET TRACK	2 - 10%
\square	2" DIA. HOLLOW PIPE WITH 1" OVERLAP STAKE BRIDGE, SET TRACK	10 - 30%
\square	2" DIA. HOLLOW PIPE WITH 1" OVERLAP STAKE BRIDGE, SET TRACK	> 30%
\square	2" DIA. HOLLOW PIPE WITH 1" OVERLAP STAKE BRIDGE, SET TRACK	NO STRUCTURE
\square	2" DIA. HOLLOW PIPE WITH 1" OVERLAP STAKE BRIDGE, SET TRACK	200 FT
\square	2" DIA. HOLLOW PIPE WITH 1" OVERLAP STAKE BRIDGE, SET TRACK	100 FT

ANSP-T-G-021	STATION AND VALVE DETAILS
ANGP-EPSC-029	EPSC PLAN
G-001 - 010	COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS
DWG. NO.	REFERENCE DWG.

ENVIRONMENTAL	DRIFTING DESIGNER
ENVIRONMENTAL	DRIFTING SUPERVISOR
ENVIRONMENTAL	DESIGN ENGINEER
ENVIRONMENTAL	DESIGN MANAGER

ISSUED FOR AMENDED ARTICLE 248 FILING	ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

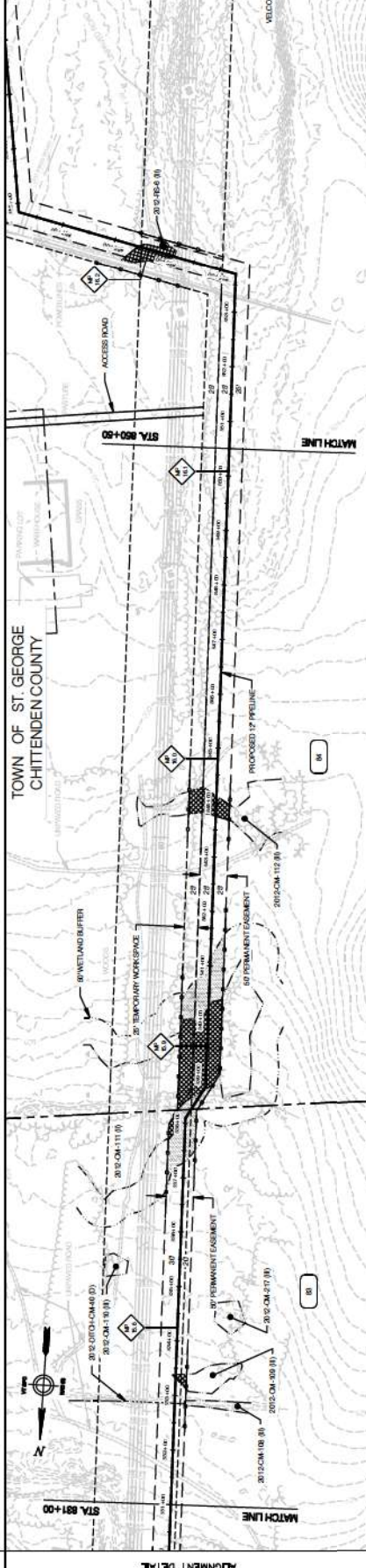
ENVIRONMENTAL	ENVIRONMENTAL
ENVIRONMENTAL	ENVIRONMENTAL
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ENVIRONMENTAL	ENVIRONMENTAL

VERMONT GAS SERVICE, INC.
 VERMONT NATURAL GAS PROJECT
 ADDISON COUNTY, VERMONT
 CHITTENDEN COUNTY, VERMONT
 SCALE: 1" = 100'
 YEAR: 2013
 W.O. ANGSP-T-G-029
 REV. 1

RIGHT-OF-WAY MATCH LINE BELMONT-PHILIP TOWN OF ST. GEORGE MATCH LINE

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MATERIALS

CONTING.	CLASSIFICATION	QUANTITY	UNIT	DESCRIPTION
		3	LF	3
		0.5	LF	0.5

90% 10%

LEGEND

SYMBOL	DESCRIPTION
○	PROPOSED INTERCEPTOR DINE
○	PROPOSED TRENCH PLUG SPACING
○	NO STRUCTURE
○	300 FT
○	200 FT
○	100 FT

INTERCEPTOR DINE/TRENCH PLUG SPACING

SLOPE: < 5%
5 - 15%
15 - 30%
> 30%

CONSTRUCTION

ENVIRONMENTAL	BID	CONSTRUCTION
DRAFTING DESIGNER	GIL	02/28/13
DRAFTING SUPERVISOR	BZO	02/28/13
DESIGN ENGINEER	SAB	02/28/13
DESIGN MANAGER	JEO	02/28/13

ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

VERMONT GAS

PROPOSED 12" PIPELINE
ADDITION NATURAL GAS PROJECT
ALIGNMENT SHEET

ANGP-EPSC-032
C-001 - 010
DWC. NO.

EPSC PLAN
COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS
REFERENCE DWG.

ANGP-T-C-032
ANGP-T-C-032
REV. 1

NOT FOR CONSTRUCTION

ANGP-T-C-032
ANGP-T-C-032
REV. 1

ANGP-T-C-032
ANGP-T-C-032
REV. 1

RIGHT-OF-WAY MATCHLINE

1/4" = 100'

HEPLER, LOURIE IV

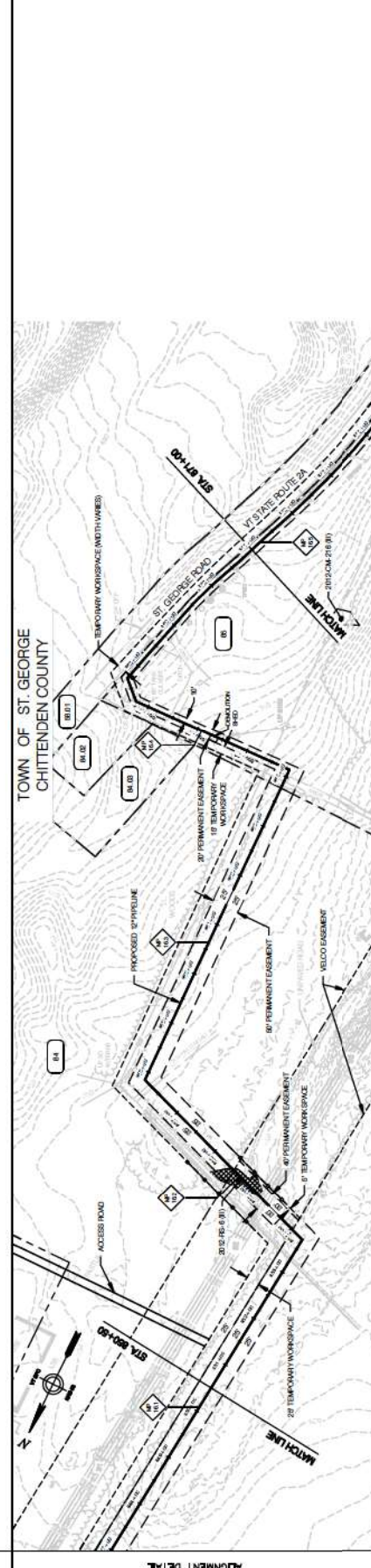
1/4" = 100'

BOYAC, CLIVE & WARY ANN

MATCHLINE

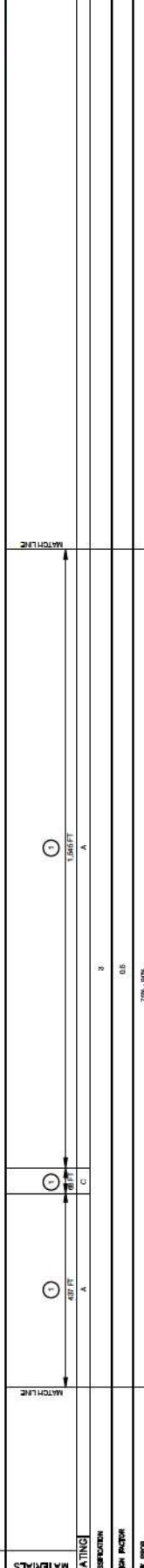
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SURVEY DATA



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PROFILE



SYMBOL	DESCRIPTION	INTERCEPTOR DIME/TRENCH PLUG SPACING	SPACING
○	PERMANENT INTERCEPTOR DIME	< 50K	NO STRUCTURE
△	TRENCH PLUG (AS REQUIRED)	5 - 10K	300 FT
○	INTERMEDIATE, SPECIAL CROSSING CLEARANCE WITH CURBED STONE BRIDGE, 3:1 FILL	15 - 30K	200 FT
○	SHOULDER, 12" MIN. COVER, 12" MIN. DRAINAGE, 3:1 FILL	> 30K	100 FT
○	SHOULDER, 12" MIN. COVER, 12" MIN. DRAINAGE, 3:1 FILL (AT BEND), DRAINAGE		
○	SHOULDER, 12" MIN. COVER, 12" MIN. DRAINAGE, 3:1 FILL (AT BEND)		

ENVIRONMENTAL	BID	CONSTRUCTION
DRAFTING DESIGNER	GIL	02/28/13
DRAFTING SUPERVISOR	BZD	02/28/13
DESIGN ENGINEER	SAB	02/28/13
DESIGN MANAGER	JEO	02/28/13

ANGP-EFSC-033	EPSC PLAN	1	SAB	LEO
C-001	COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS	0	SAB	LEO
DWG. NO.	REFERENCE DWG.	REV	DSN	CK

LEGEND	DESCRIPTION	SCALE
○	PROPOSED 12" GAS PIPELINE	1" = 100'
○	ADDITIONAL NATURAL GAS PROJECT ALIGNMENT SHEET	1" = 100'

ANGP-T-C-033	REV. 1
ANGP-T-C-033	REV. 1

NOT FOR CONSTRUCTION

VERMONT GAS
PROPOSED 12" PIPELINE
ADDITIONAL NATURAL GAS PROJECT
ALIGNMENT SHEET

1" = 100'

ANGP-T-C-033

REV. 1

ANGP-T-C-033

REV. 1

ANGP-T-C-033

REV. 1

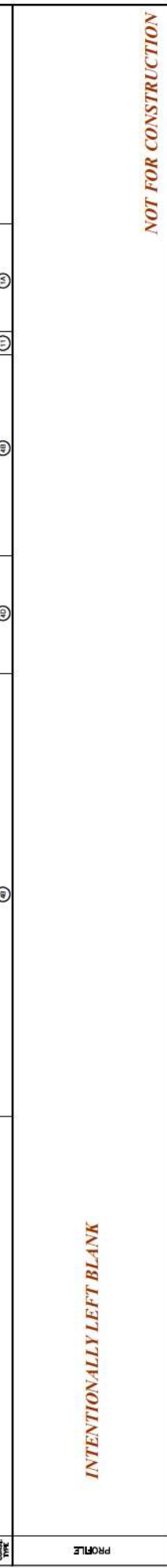
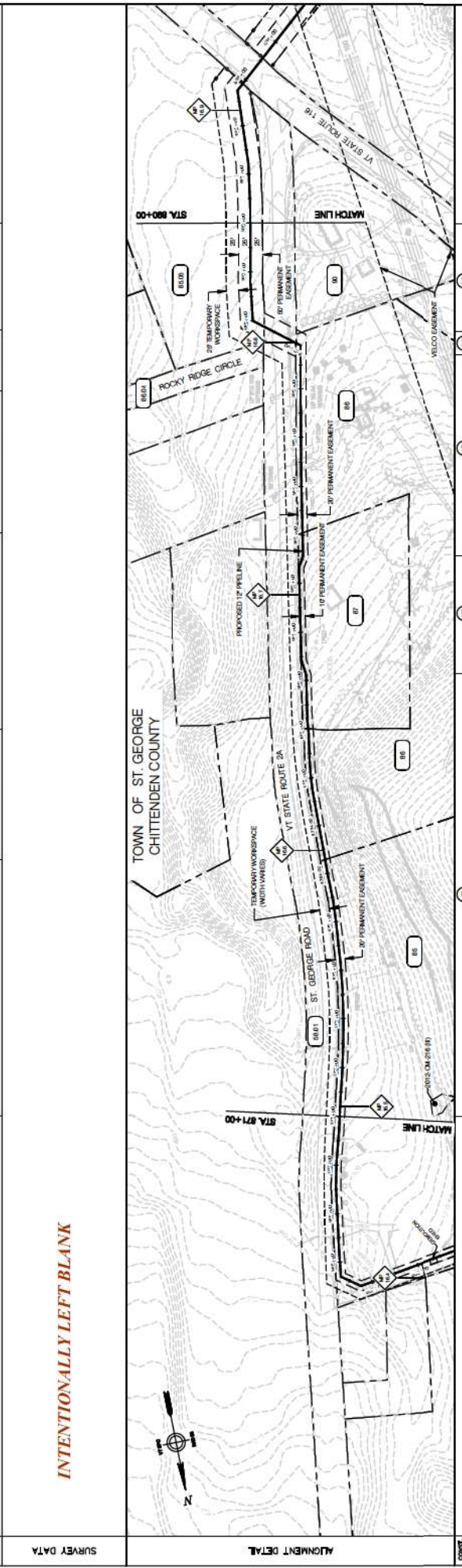
ANGP-T-C-033

REV. 1

ANGP-T-C-033

REV. 1

RIGHT-OF-WAY	BE01 ST GEORGE ROAD ROUTE 2A BE02 ROYAL CLUDE & MARYANN BE03 REET, TIMOTHY BE04 BESSONVILLE, JONHP & MELISSA A. BE05 REET, TIMOTHY BE06 REET, TIMOTHY BE07 FROST, ROBERT & ANNE BE08 ST GEORGE ROAD ROUTE 2A BE09 ST GEORGE ROAD ROUTE 2A	MATCH LINE
SURVEY DATA	INTENTIONALLY LEFT BLANK	



MATERIALS	MATCH LINE	
CONTING	1	1000 FT
CLASSIFICATION	A	3
DESIGN FACTOR	3	0.5
ROCK PROB.	50% - 75%	50% - 75%

SYMBOL	DESCRIPTION	INTERCEPTOR DIME/TRENCH PLUG SPACING
○	PERMANENT INTERCEPTOR DIM.	SLOPE
△	TRENCH PLUG (AS REQUIRED)	< 5%
□	INTERCEPTOR DIME CROSSING CURVE WITH CURVED STONE BRIDGE 3:1 T	5 - 15%
□	COVER, INTERCEPTOR DIME CROSSING CURVE WITH CURVED STONE BRIDGE, 3:1 T	15 - 20%
□	COVER, INTERCEPTOR DIME CROSSING CURVE WITH CURVED STONE BRIDGE, 3:1 T	> 20%
□	COVER, INTERCEPTOR DIME CROSSING CURVE WITH CURVED STONE BRIDGE, 3:1 T	
□	COVER, INTERCEPTOR DIME CROSSING CURVE WITH CURVED STONE BRIDGE, 3:1 T	
LEGEND		
ANGP-EFSC-034	EPSC PLAN	1
C-001 - 010	COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS	0
DWG. NO.	REFERENCE DWG.	REV DSN CK

NOT FOR CONSTRUCTION

1. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2
 2. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2
 3. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2
 4. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2
 5. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2
 6. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2
 7. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2
 8. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2
 9. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2
 10. 12" DIA. X 0.375" WT. A53-B, OR 100, PSL-2

HORIZONTAL SCALE: 1" = 100'
 VERTICAL SCALE: 1" = 10'
 SURVEYOR: [Signature]
 DATE: 02/28/13

ENVIRONMENTAL	GIL	02/28/13
DRAFTING DESIGNER	BZD	02/28/13
DRAFTING SUPERVISOR	SAB	02/28/13
DESIGN ENGINEER	JEO	02/28/13
DESIGN MANAGER		
ISSUED FOR AMENDED ARTICLE 248 FILING		
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING		
DESCRIPTION		

VERMONT GAS SERVICES	VERMONT GAS
COLER & COLANTONIO	PROPOSED 12" PIPELINE
ANGP-T-C-034	ADDITIONAL NATURAL GAS PROJECT
ANGP-T-C-034	ALIGNMENT SHEET
ANGP-T-C-034	LOCATION: CHITTENDEN COUNTY, VERMONT
ANGP-T-C-034	YEAR: 2013
ANGP-T-C-034	SCALE: 1" = 100'
ANGP-T-C-034	DWG. NO. 1

RIGHT-OF-WAY

ENGINEER: JOHN W. BROWN, P.E.
 TOWN OF HINESBURG
 TOWN OF ST. GEORGE

OWNER: TOWN OF HINESBURG
 TOWN OF ST. GEORGE

DATE: 02/28/13

PROJECT: VERMONT GAS
 PROPOSED 12" PIPELINE
 ADDISON NATURAL GAS PROJECT
 ALIGNMENT SHEET

PROJECT NO.: ANGP-EPSC-036
 DWG. NO.: C-001 - 010

SCALE: 1" = 100'

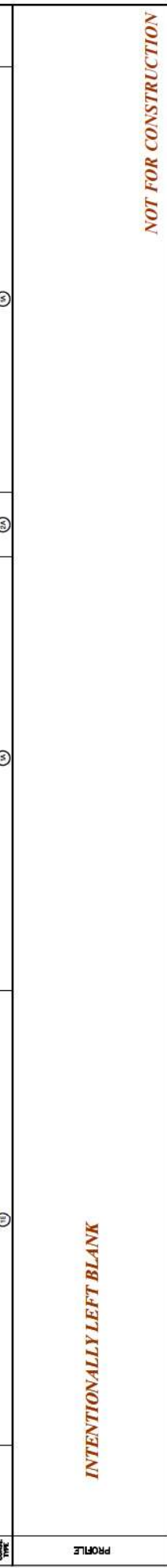
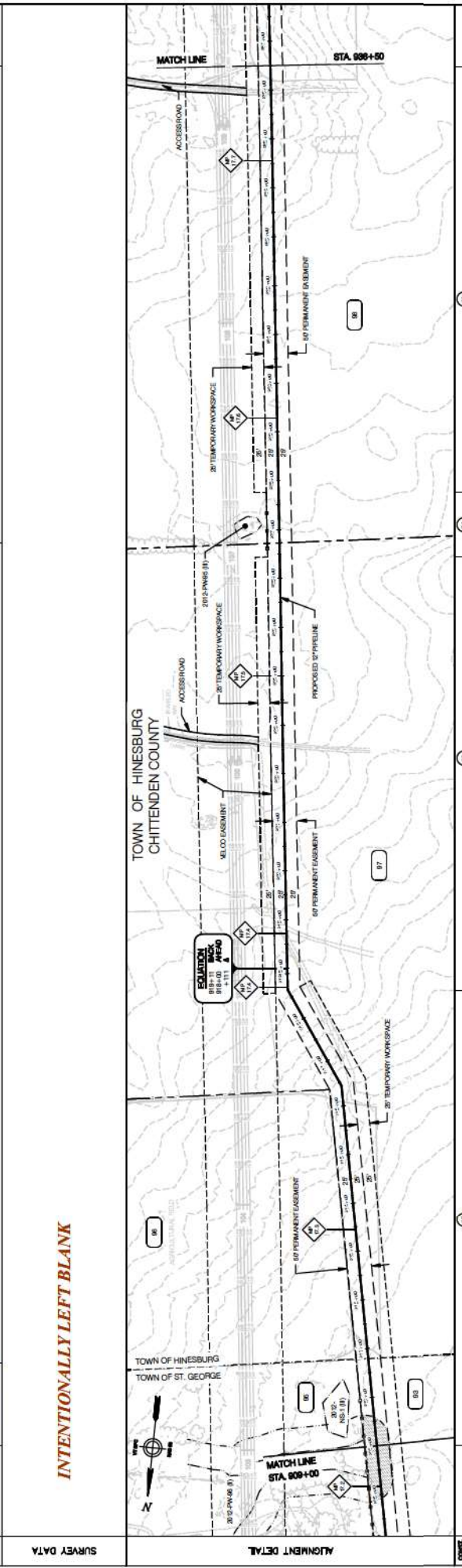
DATE: 02/28/13

LOCATION: CHITTENDEN COUNTY, VERMONT

YEAR: 2013

W.O. NO.: ANGP-T-C-036

REV. 1



NOT FOR CONSTRUCTION

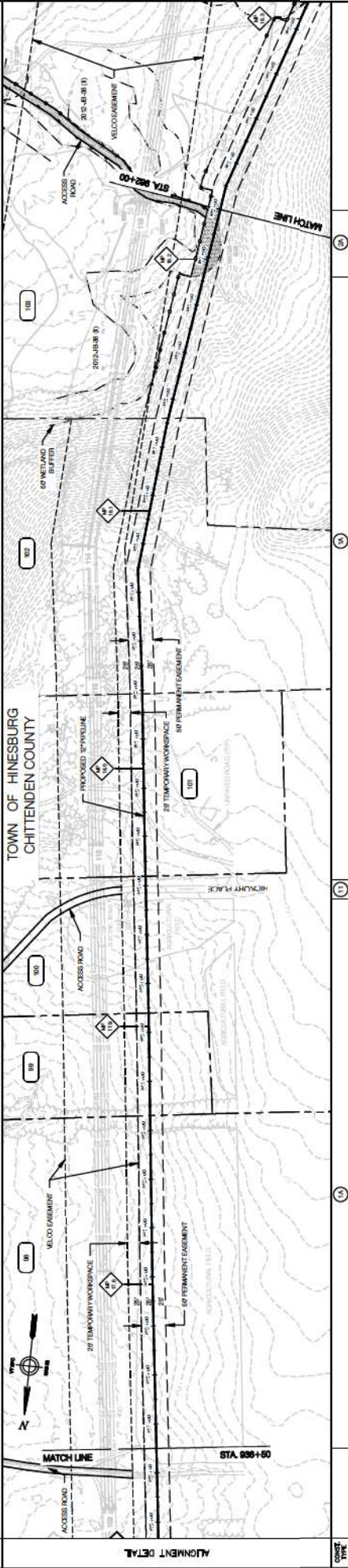
SYMBOL	DESCRIPTION
○	PROPOSED INTERCEPTOR DINE/TRENCH PLUG SPACING
△	TRENCH PLUG (AS REQUIRED)
□	INTERCEPTOR DINE WITH OVERLAP STONE BRIDGE 3:1 FILL
◇	INTERCEPTOR DINE WITH OVERLAP STONE BRIDGE 3:1 FILL
▽	INTERCEPTOR DINE WITH OVERLAP STONE BRIDGE 3:1 FILL
▽	INTERCEPTOR DINE WITH OVERLAP STONE BRIDGE 3:1 FILL
▽	INTERCEPTOR DINE WITH OVERLAP STONE BRIDGE 3:1 FILL

ENVIRONMENTAL	BID	CONSTRUCTION
DRAFTING DESIGNER: GIL	02/28/13	
DRAFTING SUPERVISOR: BZD	02/28/13	
DESIGN ENGINEER: SAB	02/28/13	
DESIGN MANAGER: JEO	02/28/13	

ISSUED FOR AMENDED ARTICLE 248 FILING	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING
1 SAB LED	0 SAB LED
0 REV DSN CK	0 REV DSN CK

RIGHT-OF-WAY	100 INF LARRIMORE, JOHANN E.	100 INF LUMBERT, LINDA P.	100 INF FRONZEL, HERSCHEL	100 INF DARTIG, CAROL HANDELY	100 INF LAWRENCE, BERNARDA B	100 INF BALLARD, THOMAS WAY	MATCH LINE
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NOT FOR CONSTRUCTION

MATERIALS	1 1.50 FT A	2 1.50 FT A	3 0.00 0.00	4 0.00 0.00	5 0.00 0.00	6 0.00 0.00	7 0.00 0.00	8 0.00 0.00	9 0.00 0.00	10 0.00 0.00	11 0.00 0.00	12 0.00 0.00	13 0.00 0.00	14 0.00 0.00	15 0.00 0.00	16 0.00 0.00	17 0.00 0.00	18 0.00 0.00	19 0.00 0.00	20 0.00 0.00	21 0.00 0.00	22 0.00 0.00	23 0.00 0.00	24 0.00 0.00	25 0.00 0.00	26 0.00 0.00	27 0.00 0.00	28 0.00 0.00	29 0.00 0.00	30 0.00 0.00	31 0.00 0.00	32 0.00 0.00	33 0.00 0.00	34 0.00 0.00	35 0.00 0.00	36 0.00 0.00	37 0.00 0.00	38 0.00 0.00	39 0.00 0.00	40 0.00 0.00	41 0.00 0.00	42 0.00 0.00	43 0.00 0.00	44 0.00 0.00	45 0.00 0.00	46 0.00 0.00	47 0.00 0.00	48 0.00 0.00	49 0.00 0.00	50 0.00 0.00	51 0.00 0.00	52 0.00 0.00	53 0.00 0.00	54 0.00 0.00	55 0.00 0.00	56 0.00 0.00	57 0.00 0.00	58 0.00 0.00	59 0.00 0.00	60 0.00 0.00	61 0.00 0.00	62 0.00 0.00	63 0.00 0.00	64 0.00 0.00	65 0.00 0.00	66 0.00 0.00	67 0.00 0.00	68 0.00 0.00	69 0.00 0.00	70 0.00 0.00	71 0.00 0.00	72 0.00 0.00	73 0.00 0.00	74 0.00 0.00	75 0.00 0.00	76 0.00 0.00	77 0.00 0.00	78 0.00 0.00	79 0.00 0.00	80 0.00 0.00	81 0.00 0.00	82 0.00 0.00	83 0.00 0.00	84 0.00 0.00	85 0.00 0.00	86 0.00 0.00	87 0.00 0.00	88 0.00 0.00	89 0.00 0.00	90 0.00 0.00	91 0.00 0.00	92 0.00 0.00	93 0.00 0.00	94 0.00 0.00	95 0.00 0.00	96 0.00 0.00	97 0.00 0.00	98 0.00 0.00	99 0.00 0.00	100 0.00 0.00
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SYMBOL	DESCRIPTION	LEGEND	INTERCEPTOR DIME/TRENCH PLUG SPACING	SPACING
○	PERMANENT EASEMENT DIM.		SLOPE	NO STRUCTURE
△	TRENCH PLUG (AS REQUIRED)		< 5%	300 FT
○	INTERCEPTOR DIME CROSSING CURVE WITH CURVED STONE BRIDGE 5:1 T		5 - 10%	200 FT
○	INTERCEPTOR DIME CROSSING CURVE WITH STRAIGHT STONE BRIDGE 5:1 T		10 - 20%	100 FT
○	INTERCEPTOR DIME CROSSING CURVE WITH STRAIGHT STONE BRIDGE 5:1 T		> 20%	100 FT
○	CONSTRUCTION LIMIT (SEE SPEC)			

ENVIRONMENTAL	DRAFTING DESIGNER	GIL	02/28/13
	DRAFTING SUPERVISOR	BZD	02/28/13
	DESIGN ENGINEER	SAB	02/28/13
	DESIGN MANAGER	JEO	02/28/13

CONSTRUCTION	BID	02/28/13
	ISSUED FOR AMENDED ARTICLE 248 FILING	
	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	

VERMONT GAS	PROPOSED 12" PIPELINE
ADISON NATURAL GAS PROJECT	ALIGNMENT SHEET
ANGP-EPSC-037	EPSC PLAN
C-001 - 010	COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS
DWG. NO.	REFERENCE DWG.

ANGP-T-C-037	SCALE: 1" = 100'
REV. 1	W.O.
DWG.	ANGP-T-C-037
REV. 1	REV. 1



CMAA
COLER & COLANTONIO
INC.
ENGINEERS ARCHITECTS PLANNERS

VERMONT GAS
PROPOSED 12" PIPELINE
ADISON NATURAL GAS PROJECT
ALIGNMENT SHEET

LOC. CHITTENDEN COUNTY, VERMONT
YEAR: 2013
SCALE: 1" = 100'

RIGHT-OF-WAY MATCHLINE

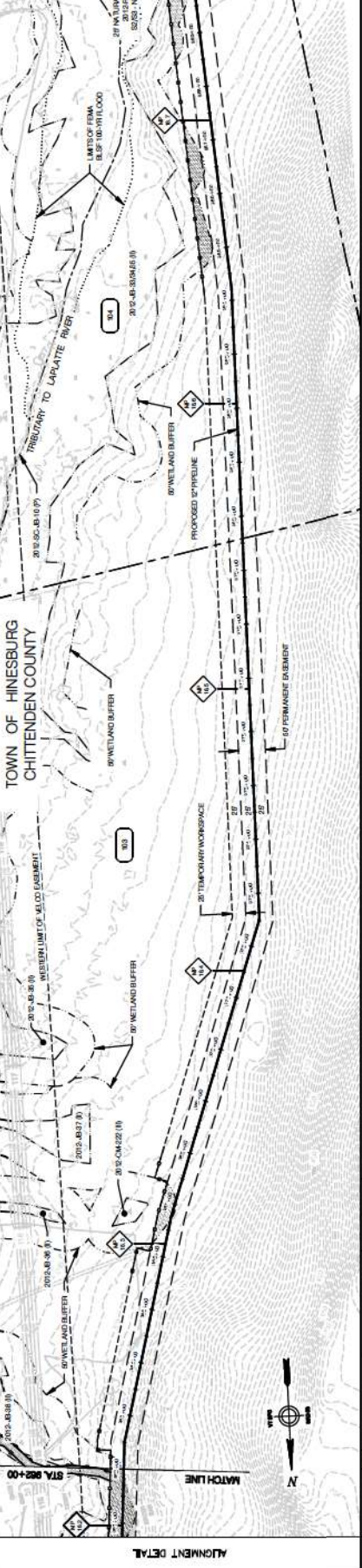
100' ±
TOWN OF HINESBURG

100' ±
TOWN OF HINESBURG

MATCHLINE

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SURVEY DATA



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PROFILE

NOT FOR CONSTRUCTION

MATERIALS	MATCHLINE	2100 FT	MATCHLINE
CONCRETE	1	2100 FT	A
CONCRETE	2		B
ROCK PAVEMENT	3		C
ROCK PAVEMENT	4		D

<p>LEGEND</p> <table border="1"> <tr> <th>SYMBOL</th> <th>DESCRIPTION</th> </tr> <tr> <td>○</td> <td>PERMANENT INTERCEPTOR DINE</td> </tr> <tr> <td>△</td> <td>TRENCH PLUG (AS REQUIRED)</td> </tr> <tr> <td>○</td> <td>INTERCEPTOR DINE WITH CORRUGATED STEEL BRIDGE, 3:1 FILL</td> </tr> <tr> <td>○</td> <td>INTERCEPTOR DINE WITH CORRUGATED STEEL BRIDGE, 3:1 FILL</td> </tr> <tr> <td>○</td> <td>INTERCEPTOR DINE WITH CORRUGATED STEEL BRIDGE, 3:1 FILL</td> </tr> <tr> <td>○</td> <td>INTERCEPTOR DINE WITH CORRUGATED STEEL BRIDGE, 3:1 FILL</td> </tr> </table>		SYMBOL	DESCRIPTION	○	PERMANENT INTERCEPTOR DINE	△	TRENCH PLUG (AS REQUIRED)	○	INTERCEPTOR DINE WITH CORRUGATED STEEL BRIDGE, 3:1 FILL	○	INTERCEPTOR DINE WITH CORRUGATED STEEL BRIDGE, 3:1 FILL	○	INTERCEPTOR DINE WITH CORRUGATED STEEL BRIDGE, 3:1 FILL	○	INTERCEPTOR DINE WITH CORRUGATED STEEL BRIDGE, 3:1 FILL	<p>INTERCEPTOR DINE/TRENCH PLUG SPACING</p> <table border="1"> <tr> <th>SLOPE</th> <th>SPACING</th> </tr> <tr> <td>< 5%</td> <td>NO STRUCTURE</td> </tr> <tr> <td>5 - 10%</td> <td>300 FT</td> </tr> <tr> <td>10 - 20%</td> <td>200 FT</td> </tr> <tr> <td>> 20%</td> <td>100 FT</td> </tr> </table>		SLOPE	SPACING	< 5%	NO STRUCTURE	5 - 10%	300 FT	10 - 20%	200 FT	> 20%	100 FT
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10 - 20%	200 FT																										
> 20%	100 FT																										
<p>ENVIRONMENTAL</p> <table border="1"> <tr> <td>DRAFTING DESIGNER</td> <td>GIL</td> <td>02/28/13</td> </tr> <tr> <td>DRAFTING SUPERVISOR</td> <td>BZD</td> <td>02/28/13</td> </tr> <tr> <td>DESIGN ENGINEER</td> <td>SAB</td> <td>02/28/13</td> </tr> <tr> <td>DESIGN MANAGER</td> <td>JEO</td> <td>02/28/13</td> </tr> </table>		DRAFTING DESIGNER	GIL	02/28/13	DRAFTING SUPERVISOR	BZD	02/28/13	DESIGN ENGINEER	SAB	02/28/13	DESIGN MANAGER	JEO	02/28/13	<p>CONSTRUCTION</p> <table border="1"> <tr> <td>BID</td> <td>02/28/13</td> </tr> </table>		BID	02/28/13										
DRAFTING DESIGNER	GIL	02/28/13																									
DRAFTING SUPERVISOR	BZD	02/28/13																									
DESIGN ENGINEER	SAB	02/28/13																									
DESIGN MANAGER	JEO	02/28/13																									
BID	02/28/13																										
<p>ANGP-EFSC-038</p> <p>C-001 - 010</p> <p>DWG. NO.</p>		<p>VERMONT GAS</p> <p>PROPOSED 12" PIPELINE</p> <p>ADDISON NATURAL GAS PROJECT</p> <p>ALIGNMENT SHEET</p>																									
<p>COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS</p> <p>REFERENCE DWG.</p>		<p>LOC. CHITTENDEN COUNTY, VERMONT</p> <p>YEAR: 2013</p> <p>SCALE: 1" = 100'</p>																									
<p>ANGP-T-C-038</p> <p>REV. 1</p>		<p>ANGP-T-C-038</p> <p>REV. 1</p>																									

RIGHT-OF-WAY MATCH LINE

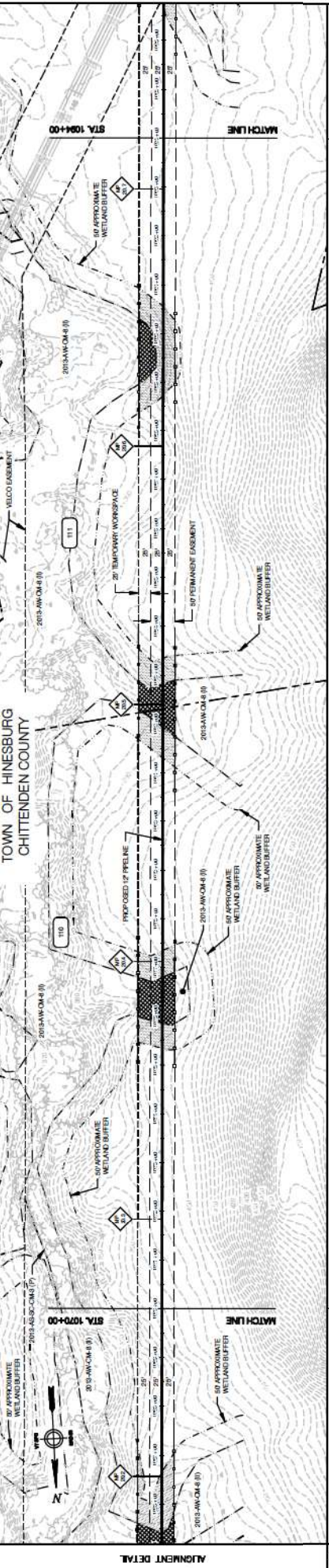
418
CARRIE DAWD

411
HAZEL ELIZABETH

MATCH LINE

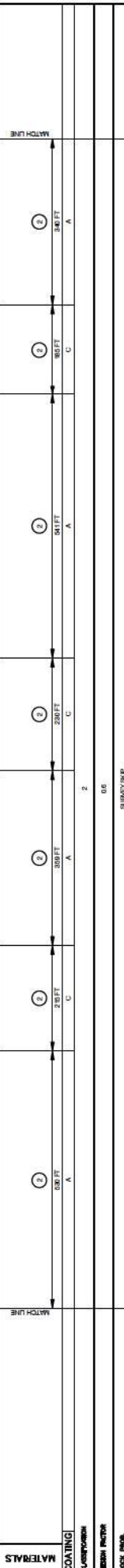
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SURVEY DATA



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PROFILE



NOT FOR CONSTRUCTION

SYMBOL	LEGEND	DESCRIPTION	INTERCEPTOR DIRT/FRENCH PLUG SPACING	SLOPE	SPACING
O	PERMANENT INTERCEPTOR DIRT		< 0.5%	NO STRUCTURE	
A	FRENCH PLUG (AS REQUIRED)		0.5 - 1.0%	200 FT	
B	DIRT/FRENCH PLUG (AS REQUIRED)		1.0 - 2.0%	200 FT	
C	DIRT/FRENCH PLUG (AS REQUIRED)		> 2.0%	100 FT	

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
ALIGNMENT SHEET

ENVIRONMENTAL
DRAFTING DESIGNER
DRAFTING SUPERVISOR
DESIGN ENGINEER
DESIGN MANAGER

BID
02/28/13
02/28/13
02/28/13
02/28/13

ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

SCALE: 1" = 100'

ANGP-EPSC-042
G-001 - 010

ANGP-1-C-042

REV. 1

RIGHT-OF-WAY MATCHLINE

100 NAME BALDWIN, MATTHEW.

971 NAME BALDWIN, DANIEL P.

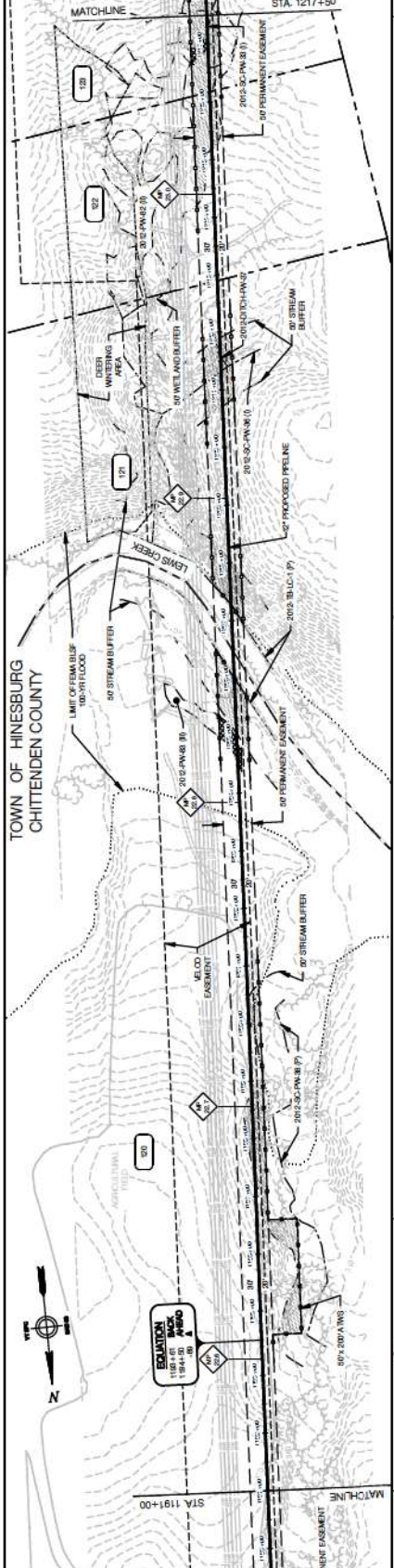
922 NAME LADDICK, BRIAN

928 NAME DAVIS, REBECCA L.

MATCHLINE

SURVEY DATA

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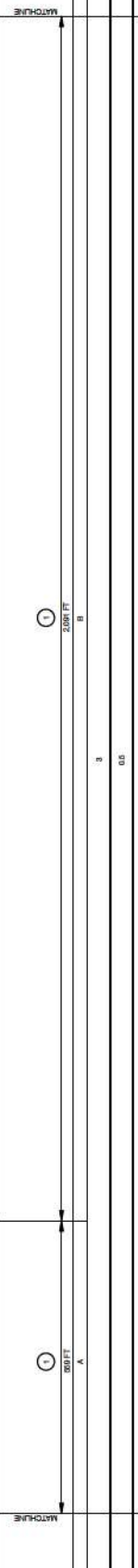


ALIGNMENT DETAIL

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PROFILE

NOT FOR CONSTRUCTION



SYMBOL	DESCRIPTION	INTERCEPTOR DIRECTION	PLUG SPACING
O	PERMANENT INTERCEPTOR DING	SLOPE < 5%	NO STRUCTURE
A	FRENCH PLUG (AS REQUIRED) CONCRETE WITH OUTSIDE FRENCH BRIDGE 6" X 12"	5 - 15%	300 FT
U	UNDER FLOOR DRAIN WITH OUTSIDE FRENCH BRIDGE 6" X 12"	15 - 30%	200 FT
V	UNDER FLOOR DRAIN WITH OUTSIDE FRENCH BRIDGE 6" X 12"	> 30%	100 FT
W	UNDER FLOOR DRAIN WITH OUTSIDE FRENCH BRIDGE 6" X 12"	> 30%	100 FT

ENVIRONMENTAL	DESIGNER	DATE	INITIALS	DESCRIPTION
ENVIRONMENTAL	DESIGNER	02/28/13	JEO	ISSUED FOR AMENDED ARTICLE 248 FILING
DRAFTING SUPERVISOR	BZD	02/28/13	JEO	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING
DESIGN ENGINEER	SAB	02/28/13	JEO	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING
DESIGN MANAGER	JEO	02/28/13	JEO	REFERENCE DWG.

CONSTRUCTION	DATE	INITIALS	DESCRIPTION
CONSTRUCTION	02/28/13	JEO	ISSUED FOR AMENDED ARTICLE 248 FILING
CONSTRUCTION	02/28/13	SAB	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING
CONSTRUCTION	02/28/13	JEO	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

PROJECT INFORMATION	DATE	SCALE
VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET	2013	1" = 100'

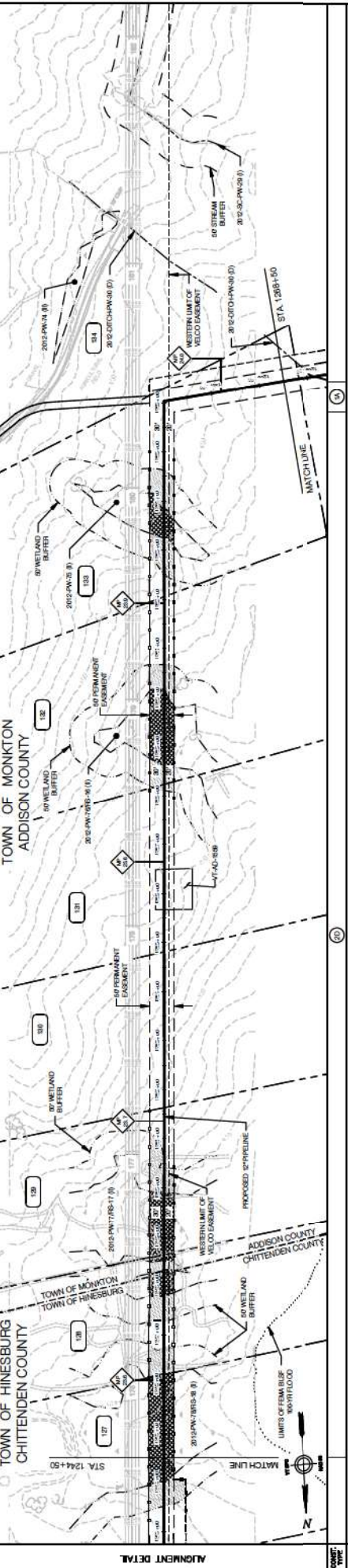
VERMONT GAS
 PROPOSED 12" PIPELINE
 ADDISON NATURAL GAS PROJECT
 ALIGNMENT SHEET

LDC, CHITTENDEN COUNTY, VERMONT
 YEAR: 2013
 SCALE: 1" = 100'
 DWG. ANGP-T-C-047
 REV. 1

RIGHT-OF-WAY	977 LEIGH FISHBURN & DAWN	978 DERROCK DWINE M	979 TOWN OF HINESBURG	980 TOWN OF MONKTON	981 WEAVER TODD & SARA	982 ALMONG DAVID	983 STEIN PHILIP J	984 MAY FISHBURN & SARA	985 MOLAN KARLSEN	986 NORRIS NORMAN	987 MCKAY PATRICIA	MATCH LINE
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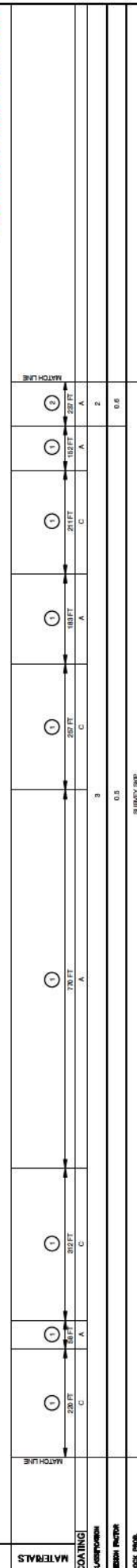
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SURVEY DATA



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PROFILE



SYMBOL	DESCRIPTION	LEGEND	INTERCEPTOR DINE/TRENCH PLUG SPACING
○	PERMANENT INTERCEPTOR DINE	SLOPE < 5%	SPACING NO STRUCTURE
□	TRENCH PLUG (AS REQUIRED)	5 - 15%	300 FT
△	PERMANENT INTERCEPTOR DINE WITH OVERBURD SPACING 15 FT	15 - 30%	200 FT
▽	PERMANENT INTERCEPTOR DINE WITH OVERBURD SPACING 15 FT	> 30%	150 FT

ENVIRONMENTAL	BID	CONSTRUCTION	DATE	INITIALS	DATE	INITIALS	DATE	INITIALS	DATE
DRAFTING DESIGNER	02/28/13								
DRAFTING SUPERVISOR	BZD								
DESIGN ENGINEER	SAB								
DESIGN MANAGER	JEO								

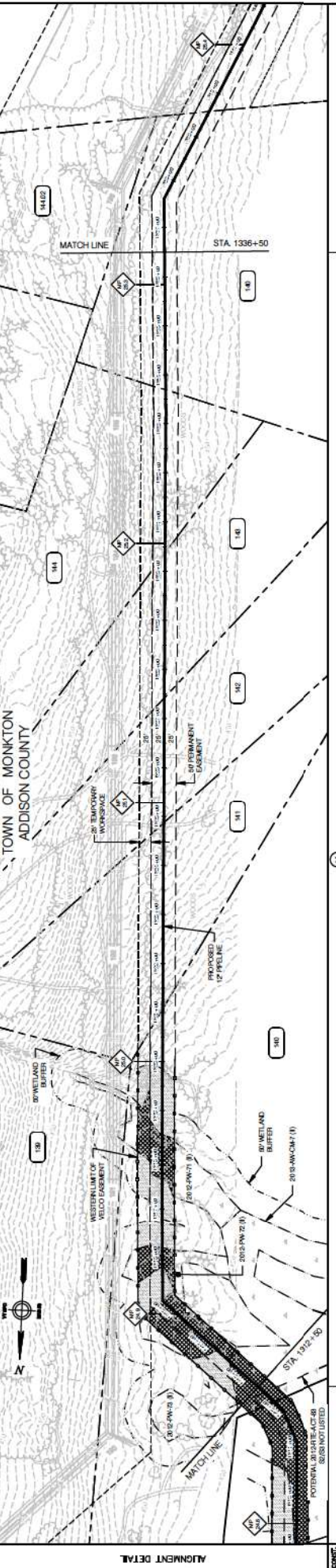
VERMONT GAS
 PROPOSED 12" PIPELINE
 ADDISON NATURAL GAS PROJECT
 ALIGNMENT SHEET

LOCAL: ADDISON COUNTY, VERMONT
 YEAR: 2013
 W.O.
 SCALE: 1" = 100'
 DWG. ANGP-T-C-049
 REV. 1

RIGHT-OF-WAY	140 NF BULEY, GEORGE	141 NF BURIEL, MARK & SARAH	142 NF ADAMS, DECKA & HEATHER	143 NF CLARK, DONALD S. & DAJULI	144 NF STEBSON, PAUL B. & JANNI	145 NF BULEY, GEORGE	MATCH LINE
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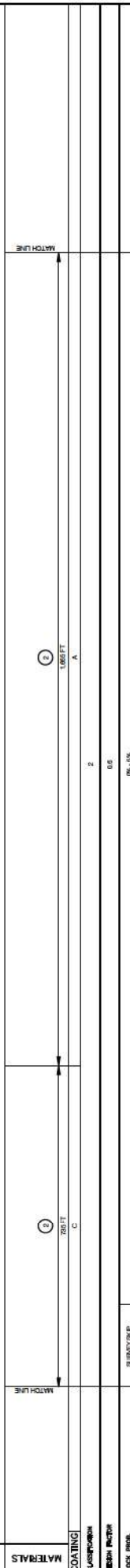
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SURVEY DATA



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PROFILE

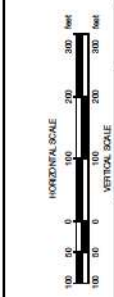


SYMBOL	LEGEND	DESCRIPTION
○	PERMANENT INTERCEPTOR DING	
△	FRENCH PLUG (AS REQUIRED)	CONSTRUCT WITH OUTSIDE STAKE BRIDGE, SET 1
□	CONCRETE TRENCH WALL	CONSTRUCT WITH OUTSIDE STAKE BRIDGE, SET 1
▽	CONCRETE TRENCH WALL	CONSTRUCT WITH OUTSIDE STAKE BRIDGE, SET 1
▲	CONCRETE TRENCH WALL	CONSTRUCT WITH OUTSIDE STAKE BRIDGE, SET 1

INTERCEPTOR DIRECTION	PLUG SPACING	SLOPE	NO STRUCTURE
< 5%	300 FT	5 - 10%	300 FT
5 - 10%	300 FT	10 - 20%	200 FT
10 - 20%	200 FT	> 20%	100 FT

NOT FOR CONSTRUCTION

PIPE MATERIAL	1 12" DIA. X 0.1875" THICK, 40% MIN. OF APPROX. BULK	2 12" DIA. X 0.1875" THICK, 40% MIN. OF APPROX. BULK	3 12" DIA. X 0.1875" THICK, 40% MIN. OF APPROX. BULK
PIPE COATING	1 12" DIA. X 0.1875" THICK, 40% MIN. OF APPROX. BULK	2 12" DIA. X 0.1875" THICK, 40% MIN. OF APPROX. BULK	3 12" DIA. X 0.1875" THICK, 40% MIN. OF APPROX. BULK
CONCRETE	1 12" DIA. X 0.1875" THICK, 40% MIN. OF APPROX. BULK	2 12" DIA. X 0.1875" THICK, 40% MIN. OF APPROX. BULK	3 12" DIA. X 0.1875" THICK, 40% MIN. OF APPROX. BULK



ENVIRONMENTAL	DESIGNER	DATE	INITIALS
DRAFTING SUPERVISOR	BZD	02/28/13	
DESIGN ENGINEER	SAB	02/28/13	
DESIGN MANAGER	JEO	02/28/13	

VERMONT GAS	PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT	ALIGNMENT SHEET
L.C.C. ADDISON COUNTY, VERMONT	YEAR: 2013
SCALE: 1" = 100'	W.O.
DWG. ANGP-T-C-052	REV. 1

ISSUED FOR AMENDED ARTICLE 248 FILING	REVISION
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	REVISION

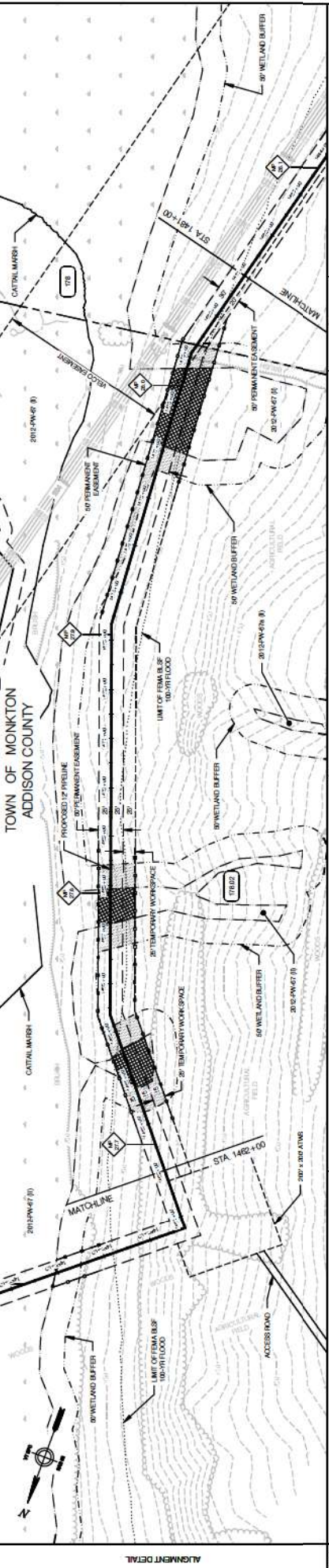
1	SAB JEO	CONSTRUCTION DETAILS
0	SAB JEO	CONSTRUCTION DETAILS
	REV JDSN CK	REFERENCE DWG.



RIGHT-OF-WAY MATCHLINE

1810
 IN CHARGE: WILLIAMS, DAVID L.
 1810
 IN CHARGE: HAZEN, RICHARD W.

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NOT FOR CONSTRUCTION

STATION	DESCRIPTION	SPACING
138+00	A	18 FT
142+00	C	18 FT
146+00	A	18 FT
150+00	C	18 FT
154+00	A	18 FT
158+00	C	18 FT
162+00	A	18 FT
166+00	C	18 FT
170+00	A	18 FT
174+00	C	18 FT
178+00	A	18 FT
182+00	C	18 FT
186+00	A	18 FT
190+00	C	18 FT
194+00	A	18 FT
198+00	C	18 FT
202+00	A	18 FT
206+00	C	18 FT
210+00	A	18 FT
214+00	C	18 FT
218+00	A	18 FT
222+00	C	18 FT
226+00	A	18 FT
230+00	C	18 FT
234+00	A	18 FT
238+00	C	18 FT
242+00	A	18 FT
246+00	C	18 FT
250+00	A	18 FT
254+00	C	18 FT
258+00	A	18 FT
262+00	C	18 FT
266+00	A	18 FT
270+00	C	18 FT
274+00	A	18 FT
278+00	C	18 FT
282+00	A	18 FT
286+00	C	18 FT
290+00	A	18 FT
294+00	C	18 FT
298+00	A	18 FT
302+00	C	18 FT
306+00	A	18 FT
310+00	C	18 FT
314+00	A	18 FT
318+00	C	18 FT
322+00	A	18 FT
326+00	C	18 FT
330+00	A	18 FT
334+00	C	18 FT
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342+00	C	18 FT
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366+00	C	18 FT
370+00	A	18 FT
374+00	C	18 FT
378+00	A	18 FT
382+00	C	18 FT
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390+00	C	18 FT
394+00	A	18 FT
398+00	C	18 FT
402+00	A	18 FT
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410+00	A	18 FT
414+00	C	18 FT
418+00	A	18 FT
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542+00	C	18 FT
546+00	A	18 FT
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554+00	A	18 FT
558+00	C	18 FT
562+00	A	18 FT
566+00	C	18 FT
570+00	A	18 FT
574+00	C	18 FT
578+00	A	18 FT
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586+00	A	18 FT
590+00	C	18 FT
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706+00	A	18 FT
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770+00	A	18 FT
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778+00	A	18 FT
782+00	C	18 FT
786+00	A	18 FT
790+00	C	18 FT
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798+00	C	18 FT
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866+00	A	18 FT
870+00	C	18 FT
874+00	A	18 FT
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890+00	A	18 FT
894+00	C	18 FT
898+00	A	18 FT
902+00	C	18 FT
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910+00	C	18 FT
914+00	A	18 FT
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958+00	C	18 FT
962+00	A	18 FT
966+00	C	18 FT
970+00	A	18 FT
974+00	C	18 FT
978+00	A	18 FT
982+00	C	18 FT
986+00	A	18 FT
990+00	C	18 FT
994+00	A	18 FT
998+00	C	18 FT
1000+00	A	18 FT

LEGEND

SYMBOL	DESCRIPTION
○	PERMANENT EASEMENT
○	TRENCH FLUG SPACING
○	INTERCEPTOR DKG/TRENCH FLUG SPACING
○	SLOPE
○	< 0%
○	1 - 5%
○	5 - 10%
○	> 10%

INTERCEPTOR DKG/TRENCH FLUG SPACING

SYMBOL	DESCRIPTION
○	SPACING
○	NO STRUCTURE
○	50 FT
○	60 FT
○	80 FT

ENVIRONMENTAL

ENVIRONMENTAL	DATE
DESIGNER	02/28/13
DRAFTING SUPERVISOR	BZD
DESIGN ENGINEER	SAB
DESIGN MANAGER	JEO

ENVIRONMENTAL DESIGNER: GIL
 DRAFTING SUPERVISOR: BZD
 DESIGN ENGINEER: SAB
 DESIGN MANAGER: JEO

ISSUED FOR AMENDED ARTICLE 248 FILING
 ISSUED FOR VERMONT'S INITIATIVE ARTICLE 248 FILING

CONSTRUCTION

CONSTRUCTION	DATE	INITIALS
ENVIRONMENTAL	02/28/13	GIL
DRAFTING SUPERVISOR	02/28/13	BZD
DESIGN ENGINEER	02/28/13	SAB
DESIGN MANAGER	02/28/13	JEO

VERMONT GAS
 PROPOSED 12" PIPELINE
 ADDISON NATURAL GAS PROJECT
 ALIGNMENT SHEET

LOC. ADDISON COUNTY, VERMONT
 YEAR: 2013
 SCALE: 1" = 100'

DWG. ANGP-T-C-056 | REV. 1

RIGHT-OF-WAY MATCHLINE

176 HUBERSON, CHARLES HUBERSON, VERMONT

178 MONKTON ROAD

176 HUBERSON, CHARLES HUBERSON, VERMONT

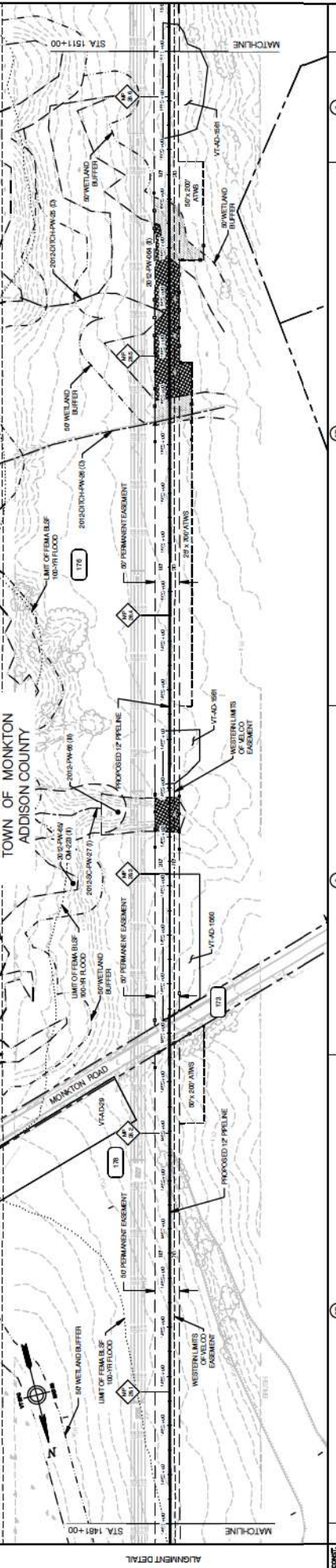
178 MONKTON ROAD

176 HUBERSON, CHARLES HUBERSON, VERMONT

MATCHLINE

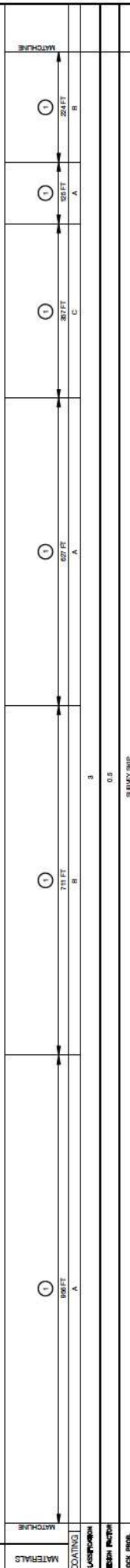
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SURVEY DATA



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PROFILE



NOT FOR CONSTRUCTION

SYMBOL	LEGEND	INTERCEPTOR DUCT/TRENCH PLUS SPACING
○	PERMANENT EASEMENT	SLOPE
△	WETLAND BUFFER	< 0%
□	90' PERMANENT EASEMENT	0 - 5%
◇	90' 300' ATWS	5 - 10%
▽	90' WETLAND BUFFER	> 10%
■	LIMIT OF FERRIS 100-YR FLOOD	
▲	WESTERN LIMITS EASEMENT	

VERMONT GAS

PROPOSED 12" PIPELINE

ADDISON NATURAL GAS PROJECT

ALIGNMENT SHEET

L.O.C. ADDISON COUNTY, VERMONT

YEAR: 2013

SCALE: 1" = 100'

DWS: ANGP-T-C-059

REV: 1

ENVIRONMENTAL	DESIGNER	DATE	INITIALS	DATE	INITIALS
ENVIRONMENTAL	GIL	02/28/13			
DRAFTING SUPERVISOR	BZD	02/28/13			
DESIGN ENGINEER	SAB	02/28/13			
DESIGN MANAGER	JEO	02/28/13			

ISSUED FOR AMENDED ARTICLE 248 FILING

ISSUED FOR VERMONT'S STATUTES ARTICLE 248 FILING

REV | DSN | CK

REFERENCE DWS

VERMONT GAS

PROPOSED 12" PIPELINE

ADDISON NATURAL GAS PROJECT

ALIGNMENT SHEET

L.O.C. ADDISON COUNTY, VERMONT

YEAR: 2013

SCALE: 1" = 100'

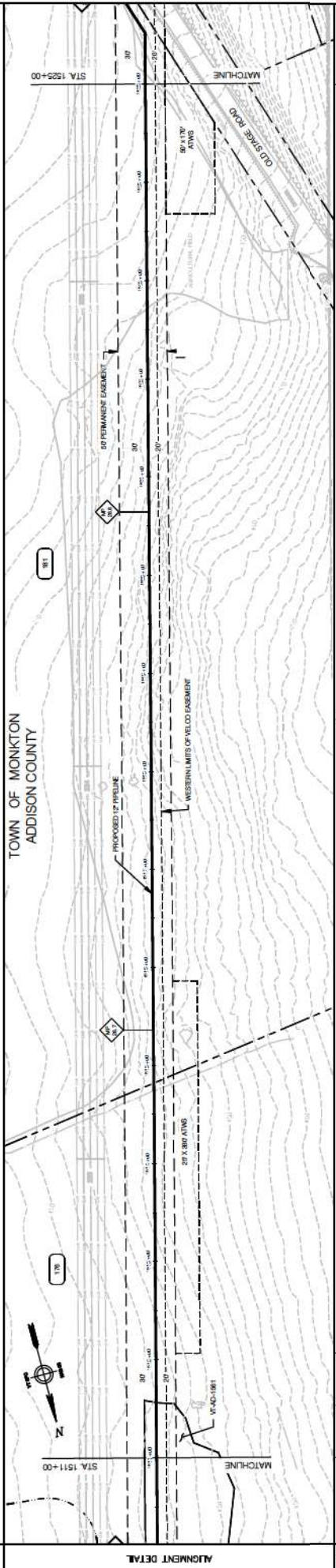
DWS: ANGP-T-C-059

REV: 1

176
N.P.
MIZENGA, CHARLES
HUBERGA, WINFORD

81
N.P.
HUBERT, HERSCHEL CHARLOTTE

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NOT FOR CONSTRUCTION

MATCHLINE		MATCHLINE	
1		1	
100 FT		100 FT	
B		A	
3		DE	
DETAILED		DETAILED	

LEGEND		INTERCEPTOR DIKE/TRENCH PLUG SPACING	
SYMBOL	DESCRIPTION	SLOPE	SPACING
○	PERMANENT INTERCEPTOR DIKE	< 5%	NO STRUCTURE
△	TRENCH PLUG (AS REQUIRED)	5 - 15%	300 FT
□	DIKE WITH TRENCH (AS REQUIRED)	15 - 30%	200 FT
▽	DIKE WITH TRENCH AND TRENCH PLUG (AS REQUIRED)	> 30%	100 FT
▲	DIKE WITH TRENCH AND TRENCH PLUG (AS REQUIRED)		
ENVIRONMENTAL			
ENVIRONMENTAL DESIGNER	CEL	02/28/13	
DRAFTING SUPERVISOR	BZD	02/28/13	
DESIGN ENGINEER	SAB	02/28/13	
DESIGN MANAGER	JEO	02/28/13	
ISSUED FOR AMENDED ARTICLE 248 FILING		INITIALS	DATE
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING		INITIALS	DATE
REFERENCE DWG.		INITIALS	DATE
1 SAB JEO		INITIALS	DATE
0 SAB JEO		INITIALS	DATE
REV JDSN CK		INITIALS	DATE
ANGP-EPSC-060		VERMONT GAS	
G-001 - 010		PROPOSED 12" PIPELINE	
DWG. NO.		ADDISON NATURAL GAS PROJECT	
		ALIGNMENT SHEET	
		LDC, ADDISON COUNTY, VERMONT	
		YEAR: 2013	
		SCALE: 1" = 50'	
		DWG. ANGP-T-C-060	
		REV. 1	

SCALE: 1" = 50'

ANGP-EPSC-060

G-001 - 010

VERMONT GAS

PROPOSED 12" PIPELINE

ADDISON NATURAL GAS PROJECT

ALIGNMENT SHEET

LDC, ADDISON COUNTY, VERMONT

YEAR: 2013

SCALE: 1" = 50'

DWG. ANGP-T-C-060

REV. 1

PIPE MATERIAL

1 12" 0.015 X 0.015" WT. A536 GR. 60, 90% F80-20

2 12" 0.015 X 0.015" WT. A536 GR. 60, 90% F80-20

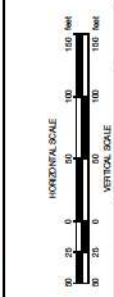
3 12" 0.015 X 0.015" WT. A536 GR. 60, 90% F80-20

PIPE COATING

1 12" 0.015 X 0.015" WT. A536 GR. 60, 90% F80-20

2 12" 0.015 X 0.015" WT. A536 GR. 60, 90% F80-20

3 12" 0.015 X 0.015" WT. A536 GR. 60, 90% F80-20



CIVIL ENGINEERING

COLLEGE OF ENGINEERING

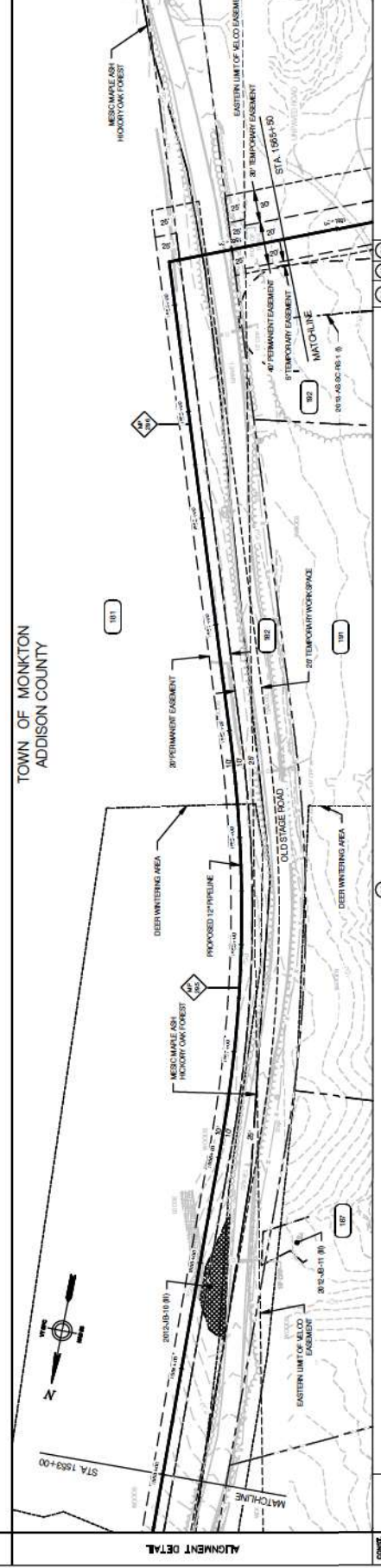
VERMONT GAS

ANGP-T-C-060

REV. 1

RIGHT-OF-WAY MATCHLINE
 HURLBURT, HERBICK & CHARLOTTE
 817
 OLD STAGE ROAD
 818
 MATCHLINE

SURVEY DATA
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PROFILE
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MATERIALS

①	1.50 FT	A
②	3	B
③	6.6	C

798 - 806

LEGEND

SYMBOL	DESCRIPTION
△	PERMANENT INTERCEPTOR DWE
○	TRENCH PLUG (AS REQUIRED)
○	INTERCEPTOR DWE WITH UNGRADED STONE BRIDGE, 3:1 SLOPE
○	INTERCEPTOR DWE WITH GRADED STONE BRIDGE, 3:1 SLOPE
○	INTERCEPTOR DWE WITH UNGRADED STONE BRIDGE, 3:1 SLOPE
○	INTERCEPTOR DWE WITH GRADED STONE BRIDGE, 3:1 SLOPE
○	INTERCEPTOR DWE WITH UNGRADED STONE BRIDGE, 3:1 SLOPE
○	INTERCEPTOR DWE WITH GRADED STONE BRIDGE, 3:1 SLOPE

INTERCEPTOR DWE/TRENCH PLUG SPACING

SLOPE	SPACING
< 5%	NO STRUCTURE
5 - 10%	200 FT
10 - 20%	300 FT
> 20%	400 FT

ENVIRONMENTAL

ENVIRONMENTAL	BID	CONSTRUCTION
DRAFTING DESIGNER	GIL	02/28/13
DRAFTING SUPERVISOR	BZD	02/28/13
DESIGN ENGINEER	SAB	02/28/13
DESIGN MANAGER	JEO	02/28/13

ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

DESCRIPTION	REV	DSN	CK
EPSC PLAN COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS	1	SAB	LEO
REFERENCE DWG.			

DWG. NO. ANGP-EPSC-062
 G-001 - 010

VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET

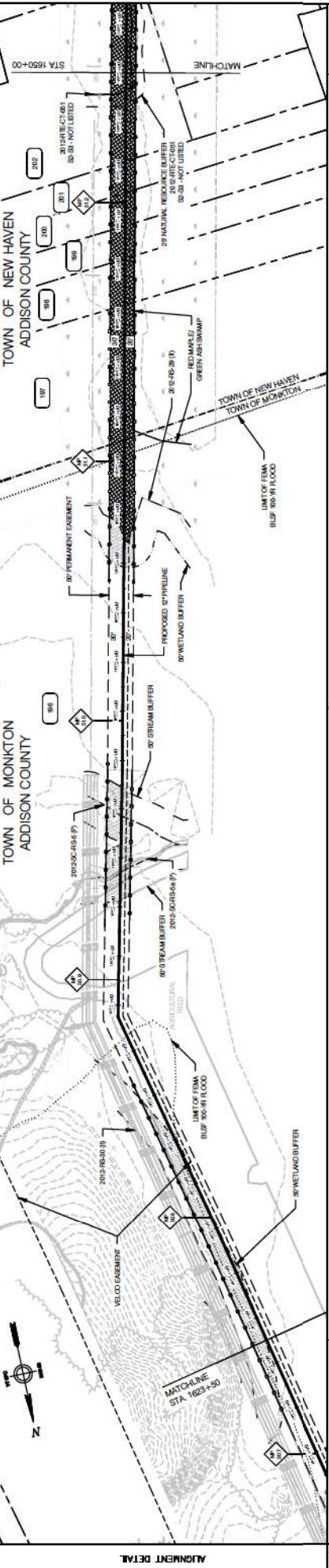
LOC. ADDISON COUNTY, VERMONT
 YEAR: 2013
 W.O. SCALE: 1" = 50'

ANGP-T-C-062 REV. 1

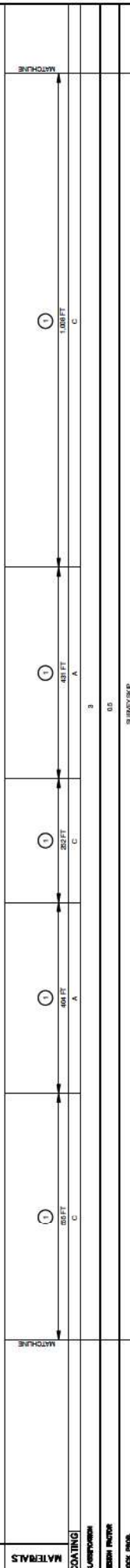
NOT FOR CONSTRUCTION

RIGHT-OF-WAY	345 HURLBERT, MERRICK, HURLBERT, CHARLOTTE	307 MERRITT, MARGARET	108 MERRITT, MARGARET	109 MERRITT, MARGARET	202 EVEREST, DOUGLAS A.	MATCHLINE
SURVEY DATA	TOWN OF MONKTON					

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SYMBOL	LEGEND	DESCRIPTION
O	PERMANENT EASEMENT	SPACING
A	WETLAND BUFFER	NO STRUCTURE
B	STREAM BUFFER	200 FT
C	VELOD EASEMENT	200 FT
D	WETLAND BUFFER	100 FT
E	STREAM BUFFER	100 FT

INTERCEPTOR DIRT/FRENCH PLUG SPACING	SLOPE	SPACING
< 0.5%	< 0.5%	NO STRUCTURE
0.5% - 1.0%	0.5% - 1.0%	200 FT
1.0% - 2.0%	1.0% - 2.0%	200 FT
> 2.0%	> 2.0%	100 FT

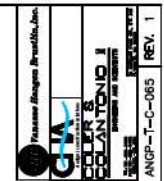
DESCRIPTION	DATE	INITIALS	DATE	INITIALS	DATE	INITIALS
ISSUED FOR AMENDED ARTICLE 248 FILING	02/26/13	JEO	02/26/13	JEO	02/26/13	JEO
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	02/26/13	JEO	02/26/13	JEO	02/26/13	JEO

ENVIRONMENTAL	CONSTRUCTION
DRAFTING DESIGNER	ENVIRONMENTAL
DRAFTING SUPERVISOR	CONSTRUCTION
DESIGN ENGINEER	
DESIGN MANAGER	

PROJECT INFORMATION	SCALE	DATE
VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET	1" = 100'	2013

DWG. NO.	REV. NO.	DATE	DESCRIPTION
ANGP-EPSC-065	1	02/26/13	ISSUED FOR AMENDED ARTICLE 248 FILING
G-001 - 010	0	02/26/13	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING
	REV	02/26/13	REV DSNT CK

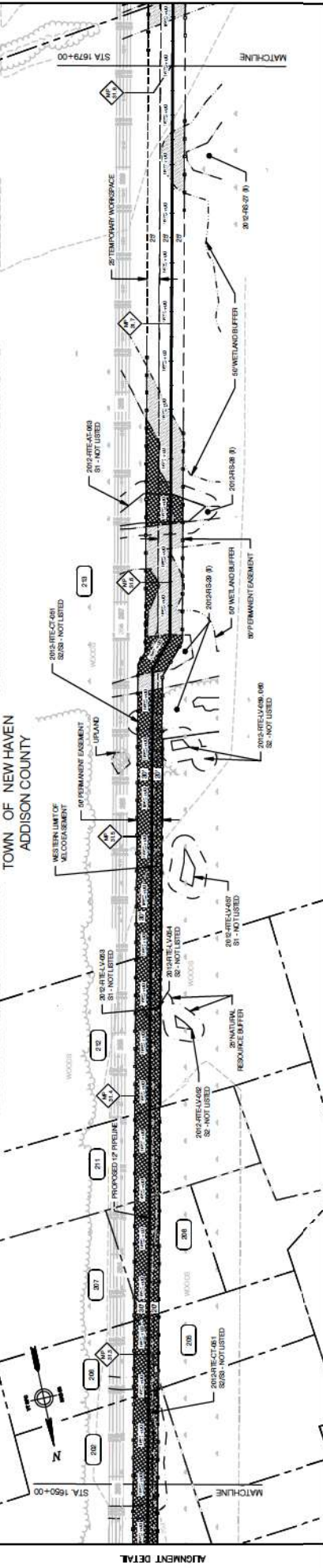
NOT FOR CONSTRUCTION



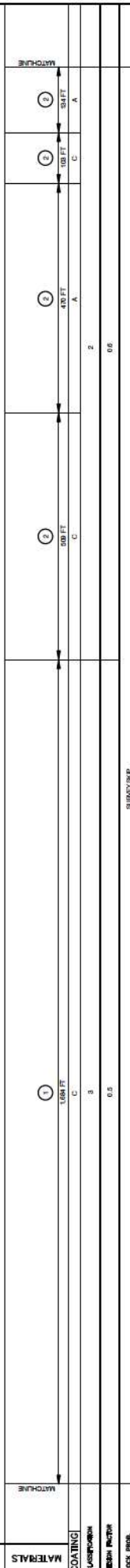
ANGP-EPSC-065
G-001 - 010
REV. 1

RIGHT-OF-WAY	230 MR. JEFFREY MR. JEFFREY	208 MR. MERRITT MR. MERRITT	207 MR. MERRITT MR. MERRITT	206 MR. MERRITT MR. MERRITT	211 MR. LEONARD MR. LEONARD	212 MR. WARD MR. WARD	213 MR. JAMES MR. JAMES	MATCHLINE
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SYMBOL	DESCRIPTION	INTERCEPTOR DIRECTION	PLUG SPACING
O	PERMANENT INTERCEPTOR DING	SLOPE	NO STRUCTURE
A	FRENCH PLUG (AS REQUIRED)	< 5%	300 FT
U	UPPER 18" DIA. 12" WALL CONCRETE WITH 18" DIA. 12" WALL CONCRETE	5 - 15%	200 FT
V	LOWER 18" DIA. 12" WALL CONCRETE WITH 18" DIA. 12" WALL CONCRETE	15 - 30%	100 FT
W	WETLAND BUFFER	> 30%	100 FT

ENVIRONMENTAL	DESIGNER	DATE	INITIALS	DESCRIPTION
ENVIRONMENTAL	DRIFTING SUPERVISOR	02/28/13	JED	ISSUED FOR AMENDED ARTICLE 248 FILING
ENVIRONMENTAL	DESIGN ENGINEER	02/28/13	JED	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING
ENVIRONMENTAL	DESIGN MANAGER	02/28/13	JED	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

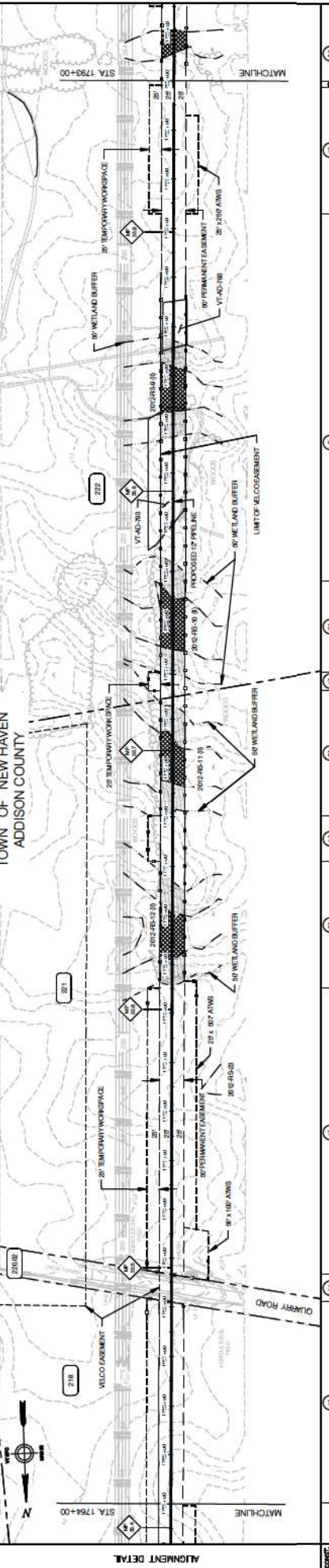
CONSTRUCTION	DESIGNER	DATE	INITIALS	DESCRIPTION
CONSTRUCTION	DRIFTING SUPERVISOR	02/28/13	JED	ISSUED FOR AMENDED ARTICLE 248 FILING
CONSTRUCTION	DESIGN ENGINEER	02/28/13	JED	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING
CONSTRUCTION	DESIGN MANAGER	02/28/13	JED	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

PROJECT INFORMATION	DATE	SCALE	REVISION
VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET	2013	1" = 100'	1

DWG. NO.	DATE	BY	REV.
ANGP-EPSC-066	02/28/13	JED	1
G-001 - 010	02/28/13	JED	1

RIGHT-OF-WAY	218 INF FLOWERING FARM	220 INF QUARRY ROAD	221 INF FANSWORTH BRUSH & THORNE	222 INF SMITH LEAN	MATCHLINE
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NOT FOR CONSTRUCTION

MATERIALS	① 410 FT	② 180 FT	③ 140 FT	④ 210 FT	⑤ 180 FT	⑥ 271 FT	MATCHLINE
COATING	A	B	C	A	B	A	
CLASSIFICATION	3						
DESIGN FACTOR	0.6						
BACK FILL							

LEGEND

SYMBOL	DESCRIPTION
○	PERMANENT INTERCEPTOR DING
△	FRENCH PLUG (AS REQUIRED)
□	CONCRETE CURB WITH OUTSIDE FENCE BRIDGE 6.5'
▭	CONCRETE CURB WITH INSIDE FENCE BRIDGE 6.5'
▭	CONCRETE CURB WITH INSIDE FENCE BRIDGE 6.5'
▭	CONCRETE CURB WITH INSIDE FENCE BRIDGE 6.5'
▭	CONCRETE CURB WITH INSIDE FENCE BRIDGE 6.5'

INTERCEPTOR DIRECTION PLUG SPACING

SLOPE	SPACING
< 0%	NO STRUCTURE
0 - 10%	300 FT
10 - 20%	200 FT
> 20%	100 FT

SCALE: 1" = 100'

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
ALIGNMENT SHEET

ADDISON COUNTY, VERMONT

L.D.C. ADDISON COUNTY, VERMONT

YEAR: 2013 W.O. DATE: 02/28/13

SCALE: 1" = 100' DWG. ANGP-T-C-070 REV. 1

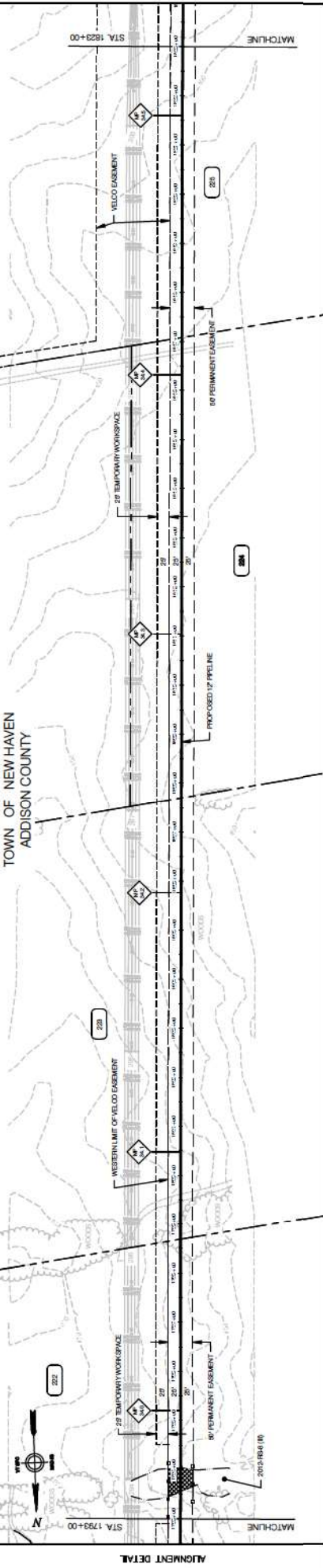
ENVIRONMENTAL DESIGNER: GIL 02/28/13
DRAFTING SUPERVISOR: BZD 02/28/13
DESIGN ENGINEER: SAB 02/28/13
DESIGN MANAGER: JEO 02/28/13

ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

REV | DSNT | CK

RIGHT-OF-WAY	222 INF SMITH LEAN	223 INF SMITH LEAN	224 INF FOURHILLS FARM	225 INF FOURHILLS FARM	MATCHLINE
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MATERIALS	2000	2000	2000	2000	MATCHLINE
COATING	A	C	A	A	
DESIGN FACTOR	1.0	1.0	1.0	1.0	
BACK FILL					

NOT FOR CONSTRUCTION

SYMBOL	LEGEND	INTERCEPTOR DIRECTION	PLUG SPACING
○	PERMANENT INTERCEPTOR DING	SLOPE	SPACING
△	FRENCH PLUG (AS REQUIRED)	< 5%	NO STRUCTURE
□	CONCRETE WITH OUTSIDE FRENCH BRIDGE	5 - 15%	300 FT
▭	CONCRETE WITH INSIDE FRENCH BRIDGE	15 - 30%	200 FT
▭	CONCRETE WITH INSIDE FRENCH BRIDGE	> 30%	100 FT
▭	CONCRETE WITH INSIDE FRENCH BRIDGE		

ANGP-EPSC-071	EPSC PLAN	1	SAB JEO	ISSUED FOR AMENDED ARTICLE 248 FILING
G-001 - 010	COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS	0	SAB JEO	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING
DWG. NO.	REFERENCE DWG.	REV	DSNT CK	DESCRIPTION

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
ALIGNMENT SHEET

VERMONT GAS
ADDISON COUNTY, VERMONT
YEAR: 2013
SCALE: 1" = 100'
DWG. ANGP-T-C-071
REV. 1

ENVIRONMENTAL	CONSTRUCTION
DRAFTING DESIGNER	02/28/13
DRAFTING SUPERVISOR	BZD 02/28/13
DESIGN ENGINEER	SAB 02/28/13
DESIGN MANAGER	JEO 02/28/13

1	13.5" O.D. X 0.375" WT. A53B GR. B	3000 FT
2	18" O.D. X 0.375" WT. A53B GR. B	0 FT
3	18" O.D. X 0.375" WT. A53B GR. B	0 FT

1	13.5" O.D. X 0.375" WT. A53B GR. B	3000 FT
2	18" O.D. X 0.375" WT. A53B GR. B	0 FT
3	18" O.D. X 0.375" WT. A53B GR. B	0 FT

1	13.5" O.D. X 0.375" WT. A53B GR. B	3000 FT
2	18" O.D. X 0.375" WT. A53B GR. B	0 FT
3	18" O.D. X 0.375" WT. A53B GR. B	0 FT

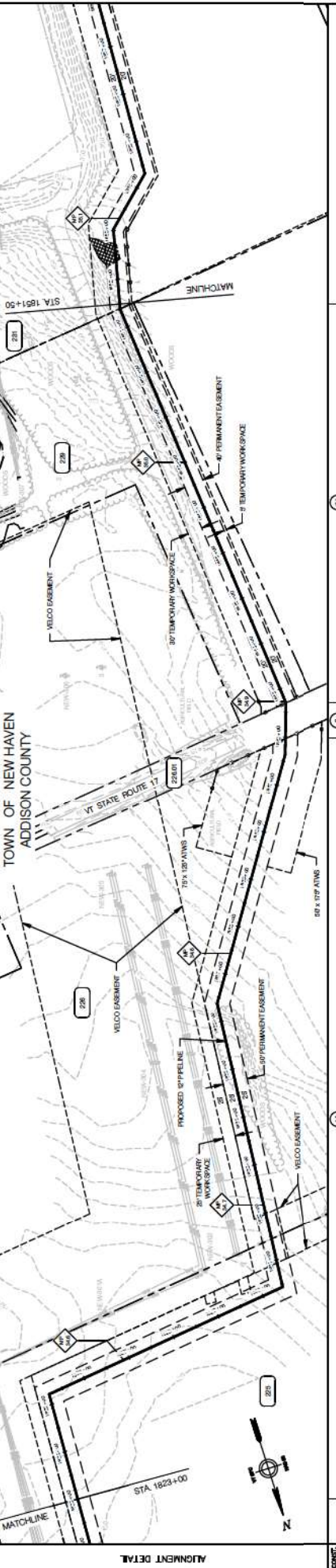
1	13.5" O.D. X 0.375" WT. A53B GR. B	3000 FT
2	18" O.D. X 0.375" WT. A53B GR. B	0 FT
3	18" O.D. X 0.375" WT. A53B GR. B	0 FT

1	13.5" O.D. X 0.375" WT. A53B GR. B	3000 FT
2	18" O.D. X 0.375" WT. A53B GR. B	0 FT
3	18" O.D. X 0.375" WT. A53B GR. B	0 FT

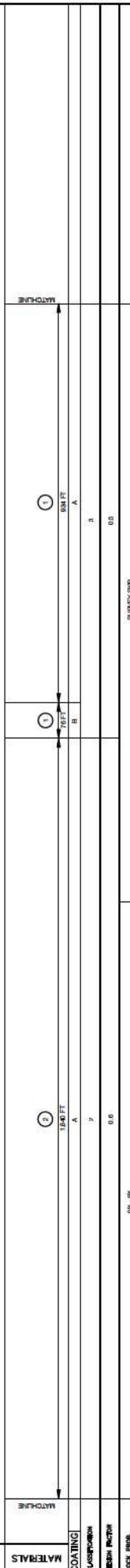
1	13.5" O.D. X 0.375" WT. A53B GR. B	3000 FT
2	18" O.D. X 0.375" WT. A53B GR. B	0 FT
3	18" O.D. X 0.375" WT. A53B GR. B	0 FT

RIGHT-OF-WAY	226 NF FOURHILLS FARM	2601 NF ROUTE 17	226 NF FLIGHTSPRING FARM	228 NF VERMONT TRUCK CO., LLC	231 NF VERMONT TRUCK CO., LLC
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SYMBOL	DESCRIPTION	LEGEND	INTERCEPTOR DIRECTION PLUG SPACING	SPACING
○	PERMANENT INTERCEPTOR DING	SLOPE	< 5%	NO STRUCTURE
△	FRENCH PLUG (AS REQUIRED)	5 - 15%	5 - 15%	300 FT
□	PIPE WITH FRENCH PLUG	15 - 30%	15 - 30%	200 FT
◇	PIPE WITH FRENCH PLUG AND BURIED STONE BRIDGE, SET TRACK	> 30%	> 30%	100 FT
○	PIPE WITH FRENCH PLUG AND BURIED STONE BRIDGE, SET TRACK			
○	PIPE WITH FRENCH PLUG AND BURIED STONE BRIDGE, SET TRACK			

ENVIRONMENTAL	ENVIRONMENTAL	ENVIRONMENTAL	ENVIRONMENTAL	ENVIRONMENTAL
DRAFTING SUPERVISOR	DRAFTING SUPERVISOR	DRAFTING SUPERVISOR	DRAFTING SUPERVISOR	DRAFTING SUPERVISOR
DESIGN ENGINEER	DESIGN ENGINEER	DESIGN ENGINEER	DESIGN ENGINEER	DESIGN ENGINEER
DESIGN MANAGER	DESIGN MANAGER	DESIGN MANAGER	DESIGN MANAGER	DESIGN MANAGER

ISSUED FOR AMENDED ARTICLE 248 FILING	ISSUED FOR AMENDED ARTICLE 248 FILING	ISSUED FOR AMENDED ARTICLE 248 FILING	ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

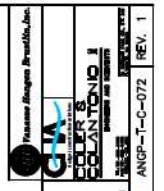
ANGP-EPSC-072	EPSC PLAN	ANGP-EPSC-072	EPSC PLAN
G-001 - 010	COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS	G-001 - 010	COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS
DWG. NO.	REFERENCE DWG.	DWG. NO.	REFERENCE DWG.

DATE	INITIALS	DATE	INITIALS	DATE	INITIALS
02/28/13	JEO	02/28/13	JEO	02/28/13	JEO

VERMONT GAS	VERMONT GAS	VERMONT GAS	VERMONT GAS
PROPOSED 12" PIPELINE	PROPOSED 12" PIPELINE	PROPOSED 12" PIPELINE	PROPOSED 12" PIPELINE
ADDISON COUNTY, VERMONT	ADDISON COUNTY, VERMONT	ADDISON COUNTY, VERMONT	ADDISON COUNTY, VERMONT
ALIGNMENT SHEET	ALIGNMENT SHEET	ALIGNMENT SHEET	ALIGNMENT SHEET

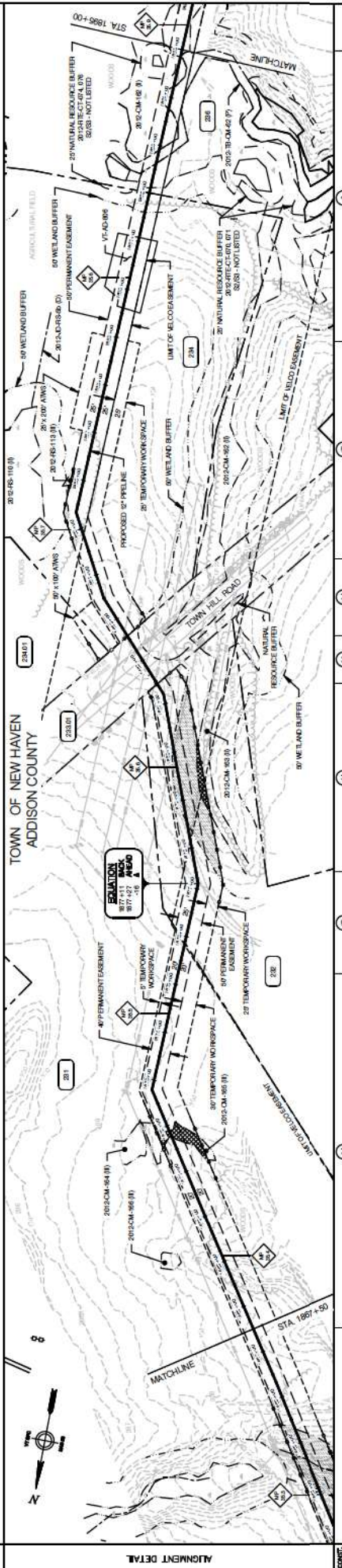
SCALE: 1" = 100'	SCALE: 1" = 100'	SCALE: 1" = 100'	SCALE: 1" = 100'
YEAR: 2013	YEAR: 2013	YEAR: 2013	YEAR: 2013
W.O.	W.O.	W.O.	W.O.
DWG. ANGP-T-C-072	DWG. ANGP-T-C-072	DWG. ANGP-T-C-072	DWG. ANGP-T-C-072
REV. 1	REV. 1	REV. 1	REV. 1

NOT FOR CONSTRUCTION

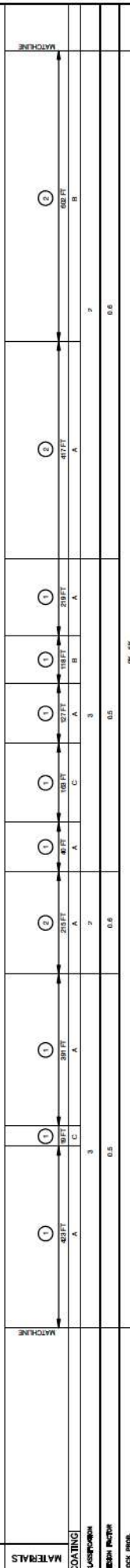


RIGHT-OF-WAY	281 VF VERMONT TRAVEL	282 VF COURNO, EUGENE AT HICK	283 VF TOWN HILL ROAD	284 VF PROTECTOR ALFORD	285 VF SHORTLEIGH GEORGE AT HICK	286 VF MAKE DRILLING AND BLASTING	MATCHLINE
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STANDARD	DESCRIPTION	INTERCEPTOR DIRT/TRENCH PLUG SPACING
PERMANENT INTERCEPTOR DIRT	SLOPE < 5%	NO STRUCTURE
PERMANENT INTERCEPTOR DIRT	5 - 15%	300 FT
PERMANENT INTERCEPTOR DIRT	15 - 30%	200 FT
PERMANENT INTERCEPTOR DIRT	> 30%	100 FT

SYMBOL	DESCRIPTION	SPACING
○	PERMANENT INTERCEPTOR DIRT	NO STRUCTURE
△	PERMANENT INTERCEPTOR DIRT	300 FT
□	PERMANENT INTERCEPTOR DIRT	200 FT
◇	PERMANENT INTERCEPTOR DIRT	100 FT

NOT FOR CONSTRUCTION

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
ALIGNMENT SHEET

LOC. ADDISON COUNTY, VERMONT
YEAR: 2013
SCALE: 1" = 100'

ENVIRONMENTAL
DRAFTING SUPERVISOR
DESIGN ENGINEER
DESIGN MANAGER

ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

CONSTRUCTION
DATE: 02/28/13
INITIALS: JEO

281
VF
VERMONT TRAVEL

282
VF
COURNO, EUGENE
AT HICK

283
VF
TOWN HILL
ROAD

284
VF
PROTECTOR
ALFORD

285
VF
SHORTLEIGH
GEORGE
AT HICK

286
VF
MAKE DRILLING
AND BLASTING

287
VF
TOWN HILL
ROAD

288
VF
COURNO, EUGENE
AT HICK

289
VF
PROTECTOR
ALFORD

290
VF
SHORTLEIGH
GEORGE
AT HICK

291
VF
VERMONT TRAVEL

ENVIRONMENTAL
DRAFTING SUPERVISOR
DESIGN ENGINEER
DESIGN MANAGER

ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

CONSTRUCTION
DATE: 02/28/13
INITIALS: JEO

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
ALIGNMENT SHEET

LOC. ADDISON COUNTY, VERMONT
YEAR: 2013
SCALE: 1" = 100'

ENVIRONMENTAL
DRAFTING SUPERVISOR
DESIGN ENGINEER
DESIGN MANAGER

ISSUED FOR AMENDED ARTICLE 248 FILING
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING

CONSTRUCTION
DATE: 02/28/13
INITIALS: JEO

281
VF
VERMONT TRAVEL

282
VF
COURNO, EUGENE
AT HICK

283
VF
TOWN HILL
ROAD

284
VF
PROTECTOR
ALFORD

285
VF
SHORTLEIGH
GEORGE
AT HICK

286
VF
MAKE DRILLING
AND BLASTING

287
VF
TOWN HILL
ROAD

288
VF
COURNO, EUGENE
AT HICK

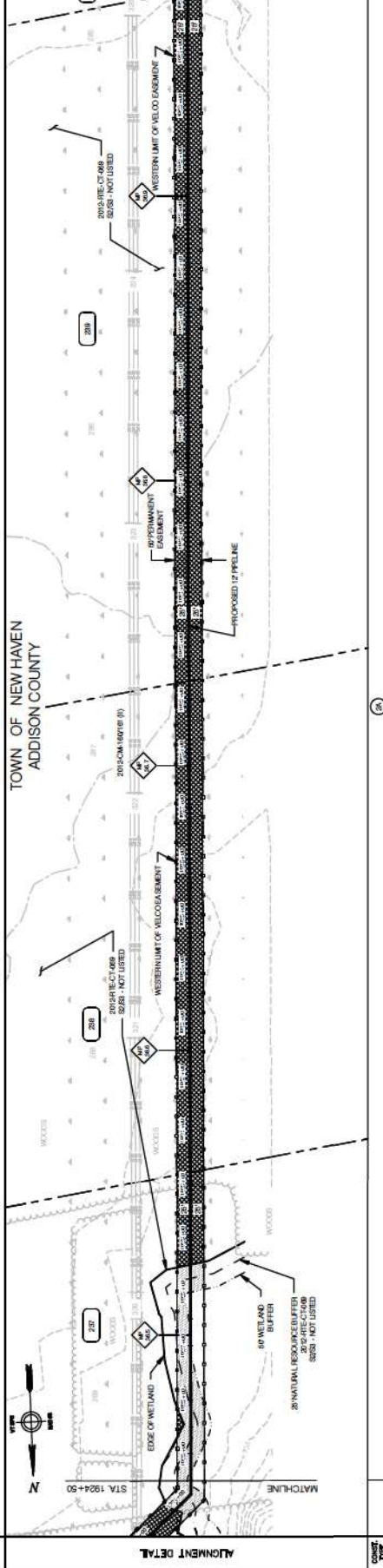
289
VF
PROTECTOR
ALFORD

290
VF
SHORTLEIGH
GEORGE
AT HICK

291
VF
VERMONT TRAVEL

RIGHT-OF-WAY MATCHLINE 287 NIP PALMER, JAMES CORBEN 288 NIP METRO ENERGY/PALELAND TRUST 289 NIP SERRAVALLO, DANIELA 290 NIP UNION STATE PIPELINE

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NOT FOR CONSTRUCTION

MATERIALS	1	2	3
COATING	2000 FT		
CLASSIFICATION	C		
DEPTH FACTOR	2		
ROCK PROBE	0.6		
	0.6 - 0.9		

LEGEND		INTERCEPTOR DWE/TRENCH PLUG SPACING	
SYMBOL	DESCRIPTION	SLOPE	SPACING
○	PERMANENT INTERCEPTOR DWE	< 5%	NO STRUCTURE
△	TRENCH PLUG (AS REQUIRED)	5 - 10%	300 FT
□	INTERCEPTOR DWE WITH CHISELED STONE BRIDGE, 5:1 T	10 - 20%	200 FT
◇	INTERCEPTOR DWE WITH CHISELED STONE BRIDGE, 3:1 T	> 20%	100 FT
▽	CONSTRUCTION DETAIL TO BE SPECIFIED		

ENVIRONMENTAL	DRAFTING DESIGNER	GIL	02/28/13
	DRAFTING SUPERVISOR	BZD	02/28/13
	DESIGN ENGINEER	SAB	02/28/13
	DESIGN MANAGER	JEO	02/28/13

CONSTRUCTION	BID	02/28/13
	ISSUED FOR AMENDED ARTICLE 248 FILING	
	ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING	
	REV DSN CK	

VERMONT GAS	PROPOSED 12" PIPELINE
COLLIER & COLANTONIO	ADDISON NATURAL GAS PROJECT
VERMONT COUNTY, VERMONT	ALIGNMENT SHEET
YEAR: 2013	SCALE: 1" = 100'
DATE: 02/28/13	W.O. ANGP-T-C-076
INITIALS: JEO	REV: 1

RIGHT-OF-WAY MATCHLINE

246
 INF
 SNEYDY, MICHAEL & LINDA

246
 INF
 BREWSTER, MICHAEL & LINDA

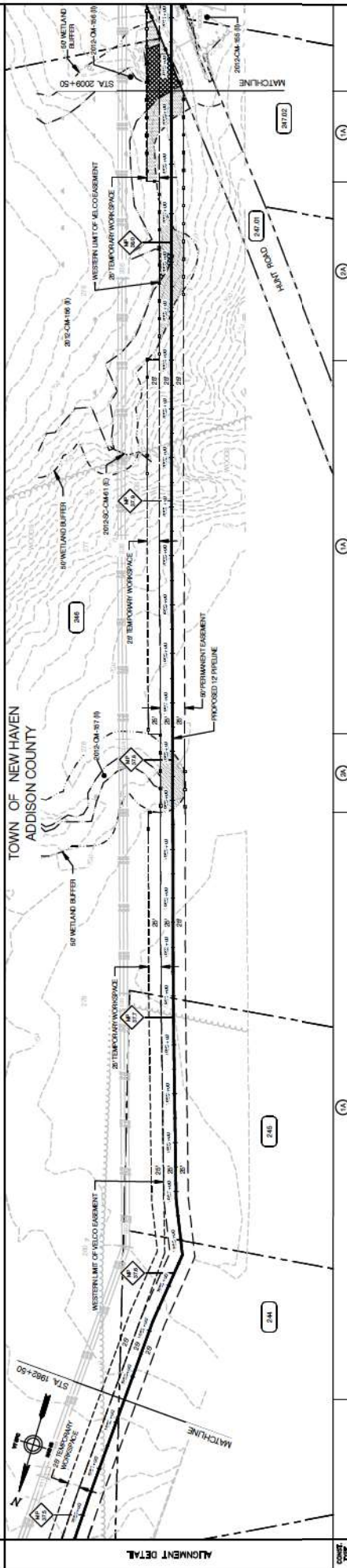
246
 INF
 GREENGLARK, HAYES & WENDY

246
 INF
 SNEYDY, MICHAEL & LINDA

MATCHLINE

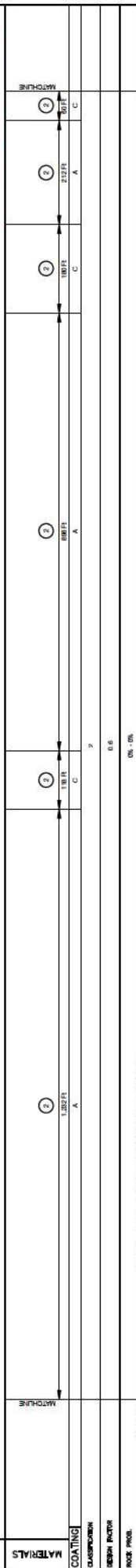
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SURVEY DATA



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PROFILE



NOT FOR CONSTRUCTION

SYMBOL	DESCRIPTION	INTERCEPTOR DWE/TRENCH PLUG SPACING	SPACING
○	PERMANENT INTERCEPTOR DWE	< 5%	NO STRUCTURE
△	TRENCH PLUG (AS REQUIRED)	5 - 15%	300 FT
○	INTERCEPTOR DWE WITH UNGRADED STONE BRIDGE, 5 FT COVER	15 - 20%	200 FT
○	INTERCEPTOR DWE WITH GRADED STONE BRIDGE, 5 FT COVER	> 20%	100 FT
▽	CONSTRUCTION DETAIL REFERENCE		

LEGEND

ANGP-EPSC-078
 G-001 - 010
 DWG. NO.

EPSC PLAN
 COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS
 REFERENCE DWG.

ENVIRONMENTAL
 DRAFTING DESIGNER
 DRAFTING SUPERVISOR
 DESIGN ENGINEER
 DESIGN MANAGER

BID
 CONSTRUCTION
 02/28/13
 02/28/13
 02/28/13

VERMONT GAS
 PROPOSED 12" PIPELINE
 ADDISON NATURAL GAS PROJECT
 ALIGNMENT SHEET

LOC. CHITTENDEN COUNTY, VERMONT
 YEAR: 2013
 W.O. SCALE: 1" = 100'

ANGP-T-C-078
 REV. 1

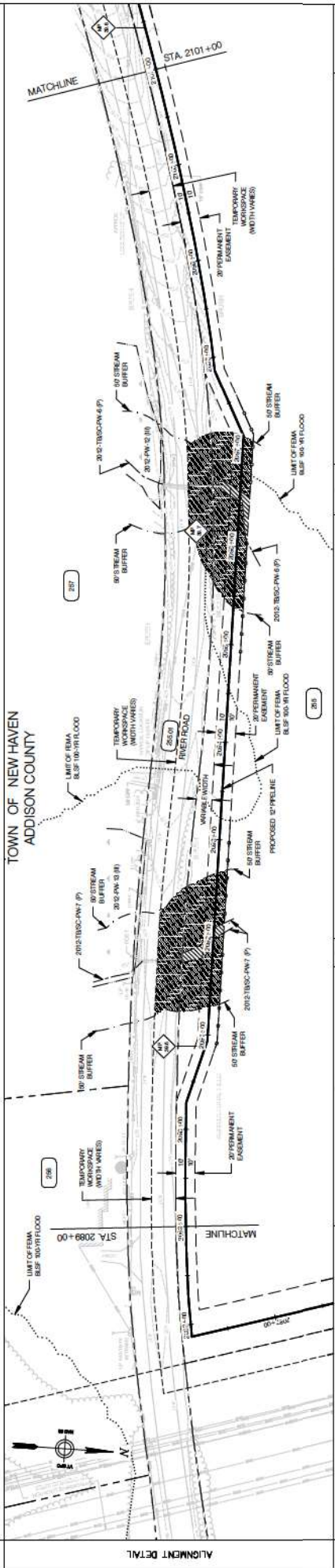
RIGHT-OF-WAY MATCHLINE

28601 RIVER ROAD

286 NW

FOUR HILLS PARTNERSHIP

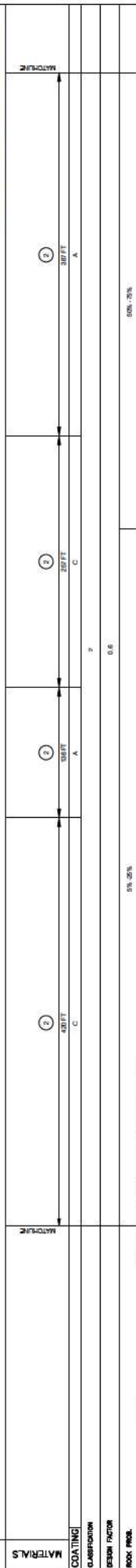
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NOT FOR CONSTRUCTION



LEGEND		INTERCEPTOR DIKE/TRENCH PLUS SPACING	
SYMBOL	DESCRIPTION	SPACING	
O	PERMANENT RETENTION DIKE	< 500	NO STRUCTURE
A	TRENCH PLUS SPACING	5 - 100	200 FT
□	EMBEDDED STONE	15 - 200	100 FT
□	SILT COVER	> 200	100 FT
□	CONSTRUCTION DETAILS		

ENVIRONMENTAL	DRAFTING DESIGNER	GIL	02/28/13
	DRAFTING SUPERVISOR <td>BZD <td>02/28/13</td> </td>	BZD <td>02/28/13</td>	02/28/13
	DESIGN ENGINEER <td>SAB <td>02/28/13</td> </td>	SAB <td>02/28/13</td>	02/28/13
	DESIGN MANAGER <td>JEO <td>02/28/13</td> </td>	JEO <td>02/28/13</td>	02/28/13

CONSTRUCTION	BID	CONSTRUCTION
	ENVIRONMENTAL <td>GIL</td>	GIL
	DRAFTING DESIGNER <td>BZD</td>	BZD
	DRAFTING SUPERVISOR <td>SAB</td>	SAB
	DESIGN ENGINEER <td>JEO</td>	JEO
	DESIGN MANAGER <td></td>	

DESCRIPTION	DATE	INITIALS	DATE	INITIALS
ISSUED FOR AMENDED ARTICLE 248 FILING				
ISSUED FOR VERMONT STATUTES ARTICLE 248 FILING				

DWG. NO.	DESCRIPTION	SCALE	YEAR	W.O.	DATE	INITIALS	DATE	INITIALS
ANGP-EPSC-082A	EPSC PLAN	1" = 50'	2013					
G-001 - 010	COVER, INDEX, LEGEND & NOTES, AND CONSTRUCTION DETAILS	1" = 50'	2013					
ANGP-T-C-082A	VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET	1" = 50'	2013					

VERMONT GAS PROPOSED 12" PIPELINE ADDISON NATURAL GAS PROJECT ALIGNMENT SHEET

ANGP-T-C-082A REV. 1

SCALE: 1" = 50'

YEAR: 2013

W.O.

LOC: ADDISON COUNTY, VERMONT

ANGP-T-C-082A REV. 1

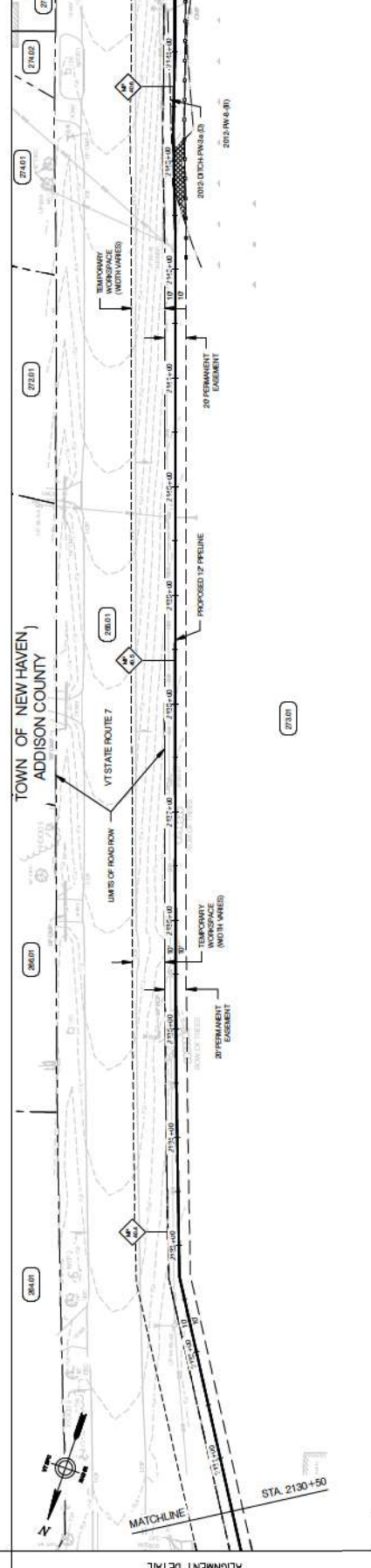
RIGHT-OF-WAY MATCHLINE

ROUTE 7

2010 MAP

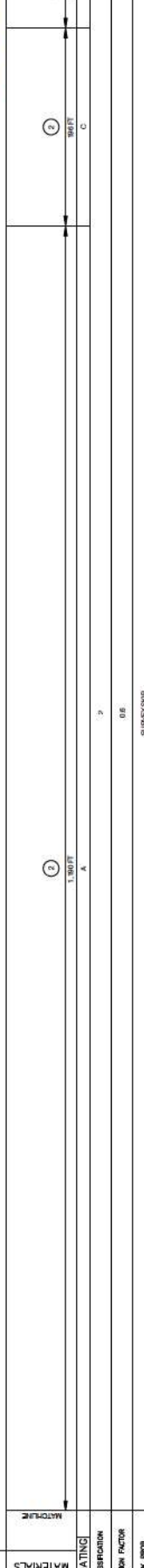
DUPUIS, STEPHEN
S. MAYER

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PROFILE



SYMBOL	LEGEND	INTERCEPTOR DME/TRENCH PILING SPACING
○	PERMANENT INTERCEPTOR DME	SLOPE
△	TRENCH PILING (AS REQUIRED)	< 5%
○	INTERCEPTOR PILING (AS REQUIRED)	5 - 10%
○	MINOR PILING (AS REQUIRED)	10 - 20%
○	MAJOR PILING (AS REQUIRED)	> 20%
○	NO STRUCTURE	
○	300 FT	
○	200 FT	
○	100 FT	

DESCRIPTION	REVISION	DATE	INITIALS	DATE	INITIALS
ISSUED FOR AMENDED ARTICLE 24B FILING	1	02/28/13	SAB	JEO	
ISSUED FOR VERMONT STATUTES ARTICLE 24B FILING	0	02/28/13	SAB	JEO	
REFERENCE DWG.	REV	DSN	OK		

CONSTRUCTION	DATE	INITIALS
ENVIRONMENTAL	02/28/13	GIL
DRAFTING DESIGNER	02/28/13	BZD
DRAFTING SUPERVISOR	02/28/13	SAB
DESIGN ENGINEER	02/28/13	JEO
DESIGN MANAGER	02/28/13	JEO

ITEM	DESCRIPTION	QUANTITY	UNIT
1	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
2	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	1,400	FT
3	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
4	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
5	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
6	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
7	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
8	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
9	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
10	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
11	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
12	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
13	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
14	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
15	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
16	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
17	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
18	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
19	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
20	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
21	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
22	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
23	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
24	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
25	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
26	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
27	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
28	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
29	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
30	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
31	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
32	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
33	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
34	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
35	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
36	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
37	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
38	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
39	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
40	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
41	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
42	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
43	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
44	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
45	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
46	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
47	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
48	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
49	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
50	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
51	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
52	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
53	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
54	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
55	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
56	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
57	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
58	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
59	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
60	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
61	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
62	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
63	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
64	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
65	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
66	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
67	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
68	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
69	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
70	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
71	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
72	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
73	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
74	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
75	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
76	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
77	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
78	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
79	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
80	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
81	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
82	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
83	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
84	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
85	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
86	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
87	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
88	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
89	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
90	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
91	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
92	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
93	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
94	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
95	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
96	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
97	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
98	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
99	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT
100	12" DIA. X 0.312" WT. AP-5L OR MS, PSL-2	0	FT

