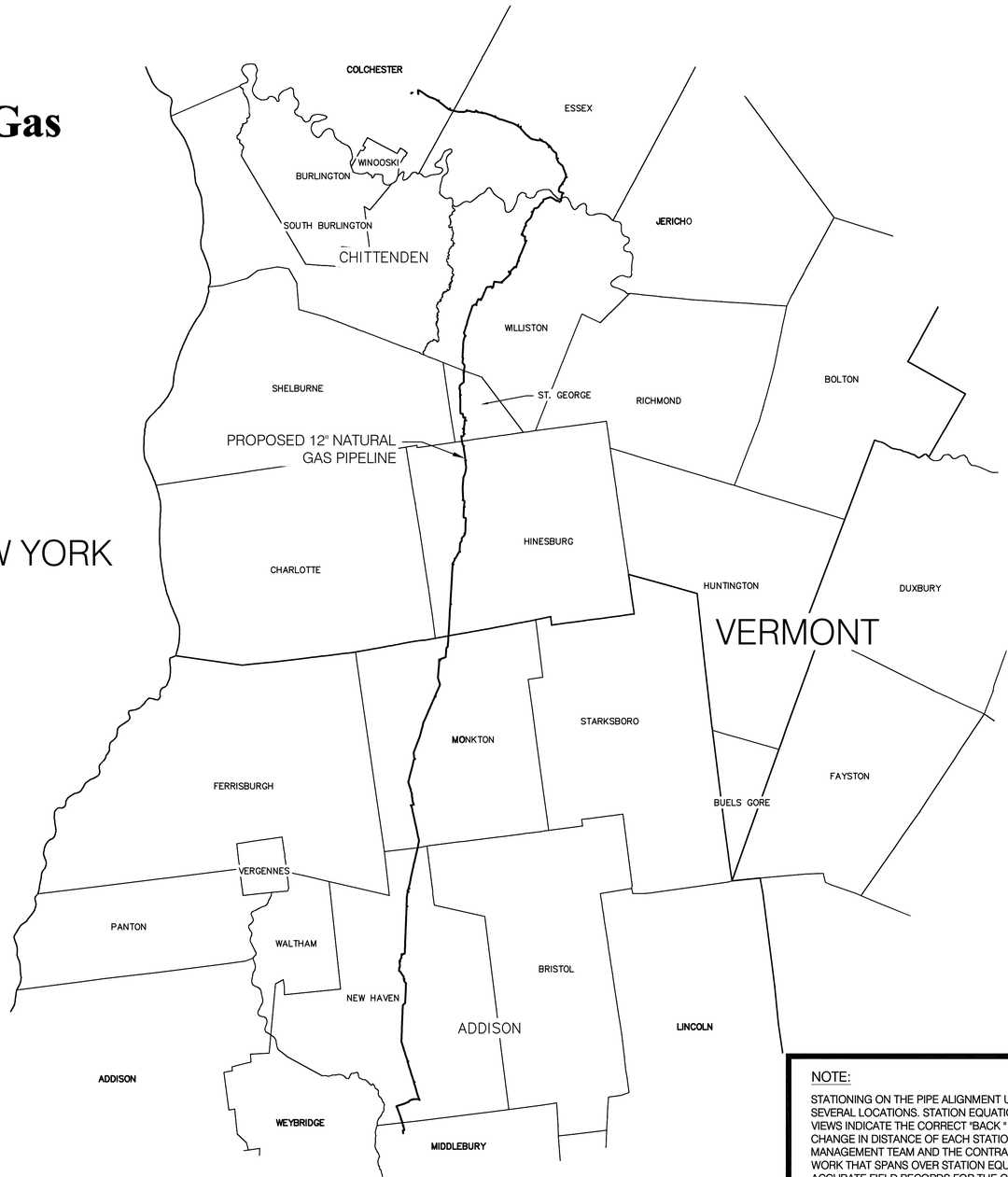
ADDISON NATURAL GAS PROJECT
TRANSMISSION MAINLINE

CHITTENDEN AND ADDISON COUNTIES
VERMONT

Vermont Gas



NEW YORK

SCALE 1" = 12,000'

DRAWING INDEX

DRAWING NUMBER	DRAWING TITLE
ANGP-T-G-001	COVER SHEET
ANGP-T-G-002	INDEX SHEET
ANGP-T-G-003	LEGEND & NOTES
ANGP-T-G-004 TO 006	CONSTRUCTION CONFIGURATION DETAILS
ANGP-T-G-007 TO 010	ACCESS ROAD DETAILS
ANGP-T-G-011	EPSC NOTES
ANGP-T-G-012 TO 020C	CONSTRUCTION DETAILS
ANGP-T-G-021	STATION AND VALVE DETAILS
ANGP-T-G-022	WILLISTON PIPEYARD
ANGP-T-G-023	PLANK ROAD PIPEYARD

DRAWING #	REV #	DRAWING TITLE
ANGP-EPSC-001A	1	EPSC PLAN
ANGP-EPSC-001B	1	EPSC PLAN
ANGP-EPSC-002	3	EPSC PLAN
ANGP-EPSC-003	2	EPSC PLAN
ANGP-EPSC-004	1	EPSC PLAN
ANGP-EPSC-005	3	EPSC PLAN
ANGP-EPSC-006	1	EPSC PLAN
ANGP-EPSC-007	1	EPSC PLAN
ANGP-EPSC-008	1	EPSC PLAN
ANGP-EPSC-009	1	EPSC PLAN
ANGP-EPSC-010	1	EPSC PLAN
ANGP-EPSC-011	1	EPSC PLAN
ANGP-EPSC-012	2	EPSC PLAN
ANGP-EPSC-013	1	EPSC PLAN
ANGP-EPSC-014	2	EPSC PLAN
ANGP-EPSC-015	3	EPSC PLAN
ANGP-EPSC-016	2	EPSC PLAN
ANGP-EPSC-017	1	EPSC PLAN
ANGP-EPSC-018	0	EPSC PLAN
ANGP-EPSC-019	0	EPSC PLAN
ANGP-EPSC-020	1	EPSC PLAN
ANGP-EPSC-021	1	EPSC PLAN
ANGP-EPSC-022	0	EPSC PLAN
ANGP-EPSC-023B	1	EPSC PLAN
ANGP-EPSC-024	1	EPSC PLAN
ANGP-EPSC-025	1	EPSC PLAN
ANGP-EPSC-026	0	EPSC PLAN
ANGP-EPSC-027	2	EPSC PLAN
ANGP-EPSC-028	1	EPSC PLAN
ANGP-T-C-028A	0	STREAM CROSSING PROFILE
ANGP-EPSC-029	1	EPSC PLAN
ANGP-EPSC-030	0	EPSC PLAN
ANGP-EPSC-031	1	EPSC PLAN
ANGP-EPSC-032	1	EPSC PLAN
ANGP-EPSC-033	1	EPSC PLAN
ANGP-EPSC-034	1	EPSC PLAN
ANGP-EPSC-035	1	EPSC PLAN
ANGP-EPSC-036	1	EPSC PLAN
ANGP-EPSC-037	0	EPSC PLAN
ANGP-EPSC-038	0	EPSC PLAN
ANGP-EPSC-039	0	EPSC PLAN
ANGP-T-C-039A	0	STREAM CROSSING PROFILE
ANGP-EPSC-040	1	EPSC PLAN
ANGP-EPSC-041	2	EPSC PLAN
ANGP-EPSC-042	2	EPSC PLAN
ANGP-T-C-042A	0	STREAM CROSSING PROFILE
ANGP-EPSC-043	2	EPSC PLAN
ANGP-EPSC-044	0	EPSC PLAN

DRAWING #	REV #	DRAWING TITLE
ANGP-EPSC-045	0	EPSC PLAN
ANGP-EPSC-046	0	EPSC PLAN
ANGP-EPSC-047	1	EPSC PLAN
ANGP-EPSC-048	1	EPSC PLAN
ANGP-EPSC-049	2	EPSC PLAN
ANGP-EPSC-050	2	EPSC PLAN
ANGP-EPSC-051	3	EPSC PLAN
ANGP-T-C-051A	0	STREAM CROSSING PROFILE
ANGP-EPSC-052	1	EPSC PLAN
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ANGP-EPSC-054	0	EPSC PLAN
ANGP-EPSC-055	1	EPSC PLAN
ANGP-EPSC-056	0	EPSC PLAN
ANGP-EPSC-057	0	EPSC PLAN
ANGP-EPSC-058	0	EPSC PLAN
ANGP-EPSC-059	1	EPSC PLAN
ANGP-EPSC-060	1	EPSC PLAN
ANGP-EPSC-061A	2	EPSC PLAN
ANGP-T-C-061AA	0	STREAM CROSSING PROFILE
ANGP-EPSC-061B	2	EPSC PLAN
ANGP-EPSC-062	2	EPSC PLAN
ANGP-EPSC-063	2	EPSC PLAN
ANGP-EPSC-064	0	EPSC PLAN
ANGP-EPSC-065	0	EPSC PLAN
ANGP-T-C-065A	0	STREAM CROSSING PROFILE
ANGP-EPSC-066	0	EPSC PLAN
ANGP-EPSC-067	0	EPSC PLAN
ANGP-EPSC-068	1	EPSC PLAN
ANGP-EPSC-069	1	EPSC PLAN
ANGP-EPSC-070	1	EPSC PLAN
ANGP-EPSC-071	0	EPSC PLAN
ANGP-EPSC-072	0	EPSC PLAN
ANGP-EPSC-073	0	EPSC PLAN
ANGP-EPSC-074	3	EPSC PLAN
ANGP-EPSC-075	5	EPSC PLAN
ANGP-EPSC-076	2	EPSC PLAN
ANGP-EPSC-077	1	EPSC PLAN
ANGP-EPSC-078	1	EPSC PLAN
ANGP-EPSC-079	2	EPSC PLAN
ANGP-EPSC-080	0	EPSC PLAN
ANGP-EPSC-081	2	EPSC PLAN
ANGP-EPSC-082A	0	EPSC PLAN
ANGP-EPSC-082B	0	EPSC PLAN
ANGP-EPSC-083A	0	EPSC PLAN
ANGP-EPSC-083B	0	EPSC PLAN
ANGP-EPSC-084A	0	EPSC PLAN
ANGP-EPSC-084B	1	EPSC PLAN
ANGP-EPSC-085	0	EPSC PLAN

4

NOTE:

STATIONING ON THE PIPE ALIGNMENT UTILIZES STATION EQUATIONS IN SEVERAL LOCATIONS. STATION EQUATION CALL-OUTS NOTED ON THE PLAN VIEWS INDICATE THE CORRECT "BACK " AND "AHEAD" STATIONS AS WELL AS THE CHANGE IN DISTANCE OF EACH STATION EQUATION. THE CONSTRUCTION MANAGEMENT TEAM AND THE CONTRACTOR SHOULD PROPERLY DOCUMENT WORK THAT SPANS OVER STATION EQUATIONS IN ORDER TO PROVIDE ACCURATE FIELD RECORDS FOR THE OWNER.

NOTE:

THE ALIGNMENT AND EPSC PLAN SETS DATED 05/2016 SUPERSEDE ALL PREVIOUSLY "ISSUED FOR CONSTRUCTION" PLAN SETS AND INCORPORATE ALL PROJECT CHANGES SUBSEQUENT TO THE 2015 "ISSUED FOR CONSTRUCTION" PLAN SETS DATED 04/02/15. THE PLAN CHANGES ARE INDICATED BY REVISION CLOUDS AND/OR DENOTED IN THE REVISION BOX, WITH THE EXCEPTION OF THE FOLLOWING MODIFICATIONS: REMOVAL OF THE CATHODIC PROTECTION TEST LEAD LOCATIONS, THE ADDITIONAL SHEETS FOR TRENCH BREAKER LOCATIONS, THE ADDITIONAL SHEETS FOR DEPTH OF COVER, AND THE ADDITIONAL SHEETS FOR PIPE PROFILES AT JURISDICTIONAL STREAM CROSSINGS.

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VHB Vanasse Hangen Brustlin, Inc.

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION		BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
		4	GJM	BCK	IFC 2016 EDITS (05/2016)	ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
		3	BCK	TDB	CP TEST LEAD EDIT (9/14/15)	DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
		2	GJM	TDB	PLAN SET ISSUED FOR COLLATERAL PERMIT AMENDMENTS (6/30/15)	DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
		1	BCK	TDB	COMPLETE PLAN SET RE-ISSUE (6/15/15)	DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
						DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

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

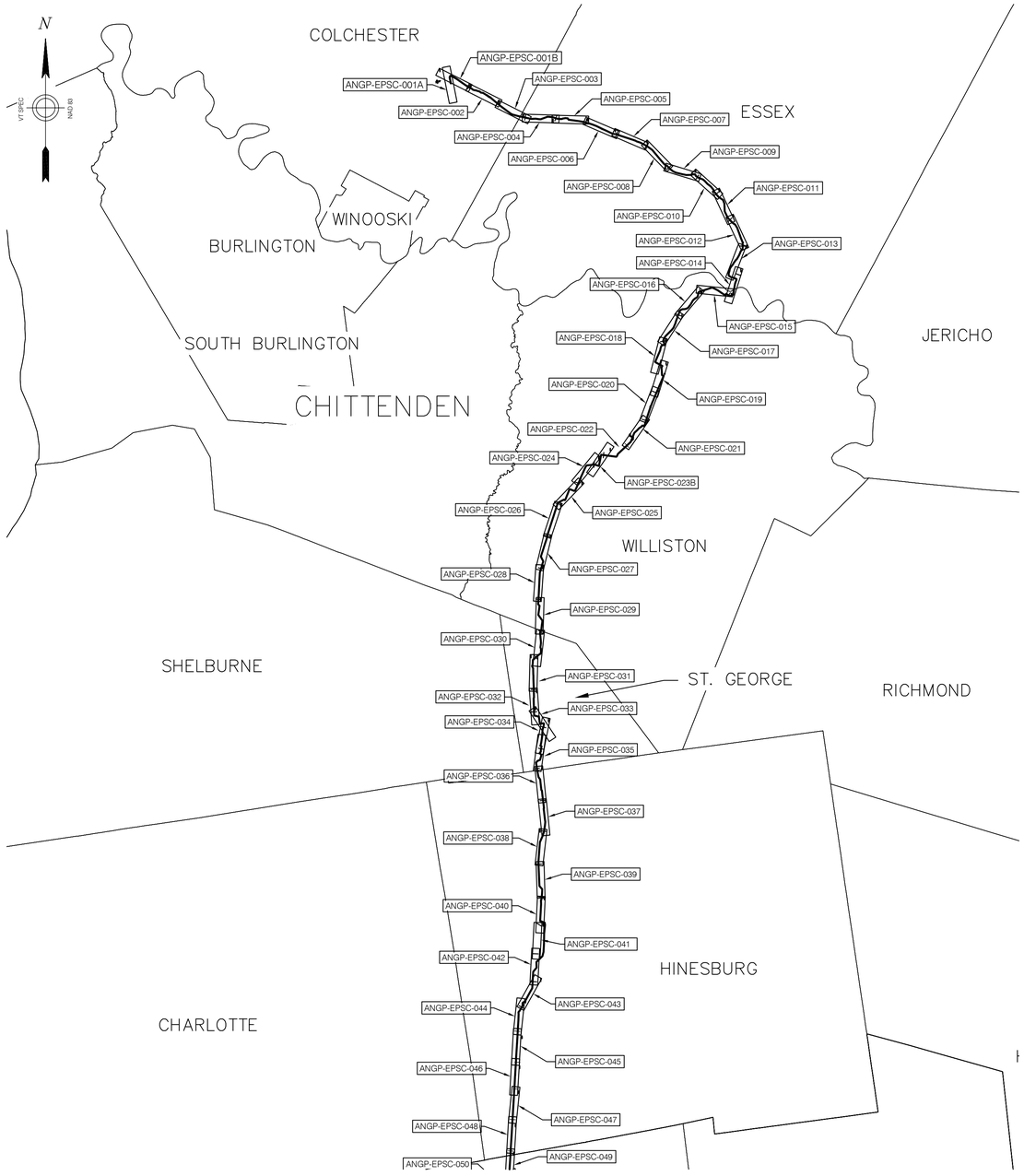
LOC. CHITTENDEN & ADDISON COUNTIES

Vermont Gas

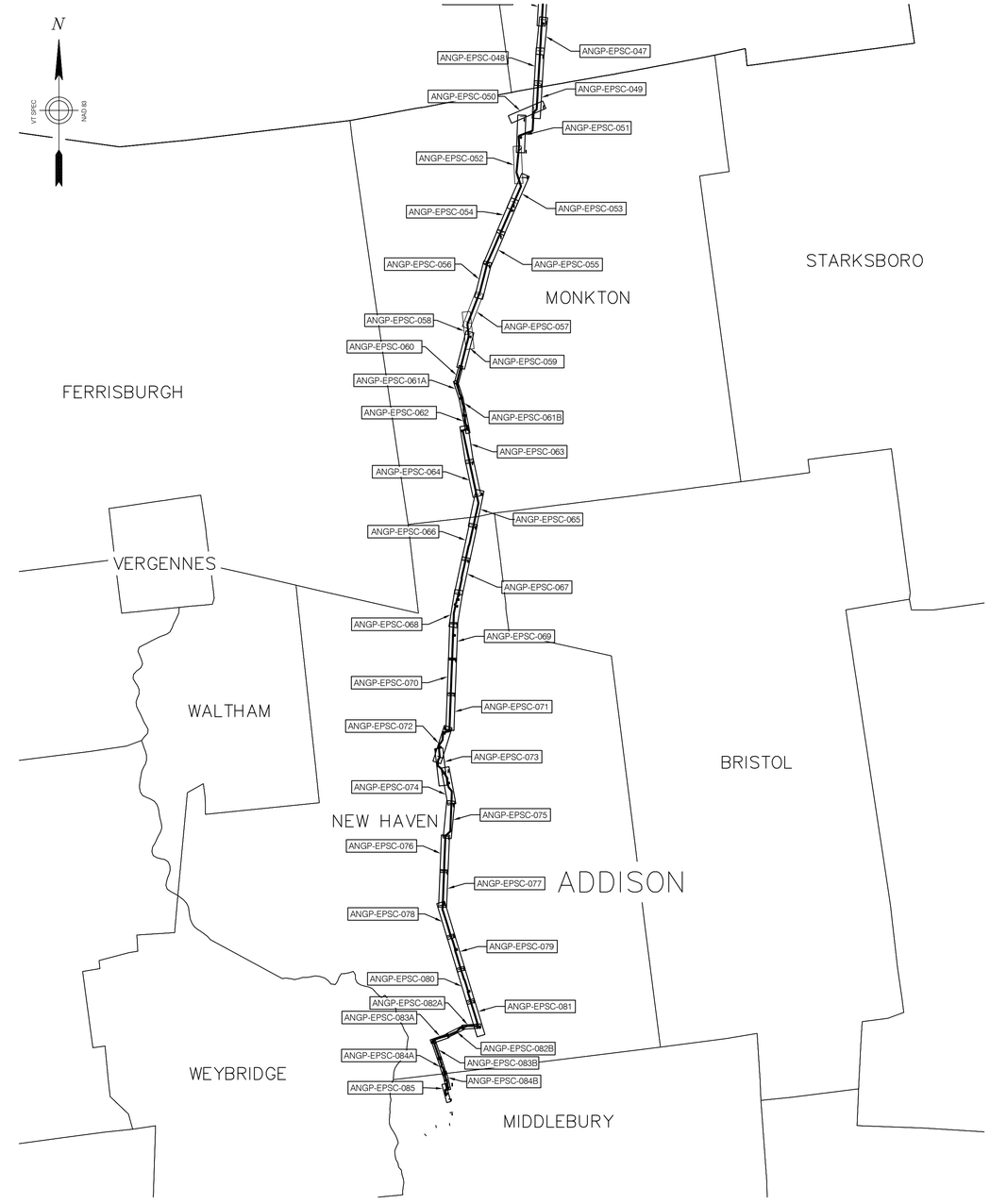
CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

YEAR: 2016 | W.O. | SCALE: NOTED | DWG. ANGP-T-G-001 | REV. 4

CHITTENDEN AND ADDISON COUNTIES
VERMONT



SCALE 1" = 500'



SCALE 1" = 500'

VHB Vanasse Hangen Brustlin, Inc.

DWG. NO.	REFERENCE DWG.	REV	DSN	CK		DESCRIPTION

	BID		CONSTRUCTION	
	INITIALS	DATE	INITIALS	DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

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

LOC. CHITTENDEN & ADDISON COUNTIES

Vermont Gas

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 - www.chacompanies.com

YEAR: 2016 | W.O. | SCALE: 1"=500' | DWG. ANGP-T-G-002 | REV. 0

CHITTENDEN AND ADDISON COUNTIES
VERMONT

QUANTITIES

MATERIAL QUANTITIES (FT)

SHEET NUMBERS	PIPE: 12.75" O.D. X 0.312" WT, API-5L, GR. X65, PSL-2, AND ADDITIONAL SPECIFICATIONS IN 192.112 (1)	PIPE: 20" O.D. X 0.375" WT, API-5L, GR. B (2)	COATING: EPOXY POLYETHYLENE 10/40 (A)	COATING: ABRASION RESISTANT COATING, 40 MILS, FBE W/ POWERCRETE OVERCOAT (B)	COATING: EPOXY POLYETHYLENE 10/40, W/ 1-1/2" REINFORCED CONCRETE W/ 140 LBS/FT³ (C)		PIPE: 12.75" O.D. X 0.312" WT, API-5L, GR. X65, PSL-2, AND ADDITIONAL SPECIFICATIONS IN 192.112 (1)	PIPE: 20" O.D. X 0.375" WT, API-5L, GR. B (2)	COATING: EPOXY POLYETHYLENE 10/40 (A)	COATING: ABRASION RESISTANT COATING, 40 MILS, FBE W/ POWERCRETE OVERCOAT (B)	COATING: EPOXY POLYETHYLENE 10/40, W/ 1-1/2" REINFORCED CONCRETE W/ 140 LBS/FT³ (C)
ANGP-T-C-001A	577'	0'	156'	0'	421'	ANGP-T-C-045	2700'	0'	2685'	0'	15'
ANGP-T-C-001B	1950'	0'	1637'	0'	313'	ANGP-T-C-046	2350'	0'	485'	1245'	620'
ANGP-T-C-002	2950'	0'	1385'	896'	669'	ANGP-T-C-047	2561'	0'	326'	2235'	0'
ANGP-T-C-003	2706'	0'	99'	2607'	0'	ANGP-T-C-048	2700'	0'	1971'	380'	349'
ANGP-T-C-004	2700'	0'	2090'	510'	100'	ANGP-T-C-049	2450'	0'	1450'	0'	1000'
ANGP-T-C-005	2682'	0'	2215'	467'	0'	ANGP-T-C-050	2250'	0'	2012'	0'	238'
ANGP-T-C-006	2857'	0'	2857'	0'	0'	ANGP-T-C-051	1652'	0'	577'	0'	1075'
ANGP-T-C-007	2750'	0'	1689'	0'	1061'	ANGP-T-C-052	2800'	0'	2187'	0'	613'
ANGP-T-C-008	2694'	0'	2119'	0'	575'	ANGP-T-C-053	2000'	0'	1773'	0'	227'
ANGP-T-C-009	2806'	0'	2631'	0'	175'	ANGP-T-C-054	2637'	0'	2369'	0'	268'
ANGP-T-C-010	2250'	0'	1953'	0'	297'	ANGP-T-C-055	2900'	0'	2671'	0'	229'
ANGP-T-C-011	2604'	0'	2604'	0'	0'	ANGP-T-C-056	2700'	0'	1281'	250'	1169'
ANGP-T-C-012	2900'	0'	2748'	0'	152'	ANGP-T-C-057	2500'	0'	0'	2500'	0'
ANGP-T-C-013	2977'	0'	2513'	0'	464'	ANGP-T-C-058	1000'	0'	575'	175'	250'
ANGP-T-C-014	2160'	0'	757'	940'	463'	ANGP-T-C-059	2837'	0'	1411'	975'	451'
ANGP-T-C-015	2750'	121'	1788'	0'	962'	ANGP-T-C-060	1400'	0'	1295'	105'	0'
ANGP-T-C-016	3000'	0'	2618'	0'	382'	ANGP-T-C-061A	1300'	0'	997'	0'	303'
ANGP-T-C-017	2667'	0'	2165'	0'	502'	ANGP-T-C-061B	1525'	0'	1475'	0'	50'
ANGP-T-C-018	2495'	0'	2148'	0'	347'	ANGP-T-C-062	1225'	0'	1125'	0'	100'
ANGP-T-C-019	2800'	0'	2714'	0'	86'	ANGP-T-C-063	2942'	0'	2493'	0'	449'
ANGP-T-C-020	2550'	0'	2031'	0'	519'	ANGP-T-C-064	2850'	0'	1159'	0'	1691'
ANGP-T-C-021	2927'	0'	1962'	0'	965'	ANGP-T-C-065	2650'	0'	955'	0'	1695'
ANGP-T-C-022	2438'	0'	1315'	0'	1123'	ANGP-T-C-066	2900'	0'	604'	0'	2296'
ANGP-T-C-023B	1604'	0'	456'	880'	268'	ANGP-T-C-067	2850'	0'	1462'	1150'	238'
ANGP-T-C-024	2350'	0'	2043'	0'	307'	ANGP-T-C-068	2767'	0'	1887'	529'	351'
ANGP-T-C-025	2966'	0'	2384'	0'	582'	ANGP-T-C-069	2949'	0'	2949'	0'	0'
ANGP-T-C-026	2900'	0'	2900'	0'	0'	ANGP-T-C-070	2888'	0'	1995'	0'	893'
ANGP-T-C-027	2970'	0'	2841'	0'	129'	ANGP-T-C-071	3000'	0'	2952'	0'	48'
ANGP-T-C-028	2650'	0'	2350'	0'	300'	ANGP-T-C-072	2834'	0'	2764'	0'	70'
ANGP-T-C-029	3000'	0'	2204'	0'	796'	ANGP-T-C-073	1600'	0'	1398'	0'	202'
ANGP-T-C-030	2437'	0'	1977'	0'	460'	ANGP-T-C-074	2734'	0'	1824'	615'	295'
ANGP-T-C-031	2869'	0'	2869'	0'	0'	ANGP-T-C-075	2950'	0'	1733'	425'	792'
ANGP-T-C-032	1950'	0'	1333'	0'	617'	ANGP-T-C-076	2900'	0'	0'	0'	2900'
ANGP-T-C-033	2050'	0'	1340'	0'	710'	ANGP-T-C-077	2900'	0'	981'	0'	1919'
ANGP-T-C-034	1887'	0'	1813'	0'	74'	ANGP-T-C-078	2700'	0'	2342'	0'	358'
ANGP-T-C-035	2018'	0'	1382'	0'	636'	ANGP-T-C-079	2860'	0'	2556'	0'	304'
ANGP-T-C-036	2850'	0'	2799'	0'	51'	ANGP-T-C-080	2879'	0'	2871'	0'	8'
ANGP-T-C-037	2579'	0'	2431'	0'	148'	ANGP-T-C-081	2240'	0'	1144'	530'	566'
ANGP-T-C-038	2900'	0'	2863'	0'	37'	ANGP-T-C-082A	1200'	0'	888'	0'	312'
ANGP-T-C-039	2961'	0'	1553'	0'	1408'	ANGP-T-C-082B	1450'	0'	1218'	0'	232'
ANGP-T-C-040	2977'	0'	1699'	675'	603'	ANGP-T-C-083A	1496'	0'	974'	0'	522'
ANGP-T-C-041	2910'	0'	2711'	0'	199'	ANGP-T-C-083B	1450'	0'	1196'	0'	254'
ANGP-T-C-042	2002'	0'	1748'	0'	254'	ANGP-T-C-084A	1400'	0'	1400'	0'	0'
ANGP-T-C-043	2484'	0'	1475'	0' TL	1009'	ANGP-T-C-084B	1496'	0'	1200'	0'	296'
ANGP-T-C-044	2111'	0'	1908'	0'	203'	ANGP-T-C-085	588'	0'	588'	0'	0'
						TOTAL =	217575'	121'	157471'	18089'	42015'

NOTE:

STATIONING ON THE PIPE ALIGNMENT UTILIZES STATION EQUATIONS IN SEVERAL LOCATIONS. STATION EQUATION CALL-OUTS NOTED ON THE PLAN VIEWS INDICATE THE CORRECT "BACK " AND "AHEAD" STATIONS AS WELL AS THE CHANGE IN DISTANCE OF EACH STATION EQUATION. THE CONSTRUCTION MANAGEMENT TEAM AND THE CONTRACTOR SHOULD PROPERLY DOCUMENT WORK THAT SPANS OVER STATION EQUATIONS IN ORDER TO PROVIDE ACCURATE FIELD RECORDS FOR THE OWNER.

LEGEND

PROPOSED GAS LINE
GAS LINE STATIONING (314+00)
PROPERTY LINE
TOWN LINE
EDGE OF PAVEMENT
RAILROAD
CONTOUR (10-FOOT INT.) (510)
CONTOUR (2-FOOT INT.)
FENCE
GUARDRAIL
OVERHEAD WIRES
DRAIN LINE
DRAIN LINE > 12" Ø
SEWER LINE
WATER LINE
GAS LINE
ELECTRICAL LINE
VELCO ACCESS ROADS (3)
TELEPHONE LINE
STONEWALL
BRUSH LINE
TREE LINE
IRON PIN
CONCRETE/GRANITE BOUND
UTILITY MANHOLE
CATCH BASIN (CTB)
ELECTRIC POLE STRUCTURES (53)
UTILITY POLE
LIGHT POST
GUY ANCHOR
WATER GATE (WV)
WELL
GAS GATE (GV)
HYDRANT
MAIL BOX (MB)
TRAFFIC SIGN
TRAFFIC SIGNAL
GATE POST / BOLLARD
MARKER POST (MP)
VENT
DECIDUOUS TREE
CONIFEROUS TREE
EXISTING STRUCTURE
DITCH LINE
PROPOSED TEST STATION (3) (S)
PROPOSED GAS VALVE (GV)
SPOT GRADE (546)
SAND BAG
GEOTECHNICAL SOIL BORINGS (SB-1)
MILE POST (M.P. MILE)
LINE LIST (XXXXXX)
TEST LEAD (2-WIRE) (TL) (2)
TEST LEAD (4-WIRE) (4TL)
WATER SURFACE INDICATOR
PERMANENT EASEMENT
TEMPORARY WORKSPACE
FEMA BLSF ZONE
CENTERLINE OF STREAM
TEMPORARY STREAM IMPACT
50' WETLAND BUFFER
TEMPORARY WETLAND IMPACT
TEMPORARY WETLAND BUFFER IMPACT
WETLAND AREA
PROPOSED EROSION AND SEDIMENT CONTROLS
WETLAND FLAG (WF 1)
AS-BUILT 12" TRANSMISSION LINE
BAT TREE (BT) (2)

ABBREVIATIONS

A.	ASSUMED	ELFC	ELECTRIC FENCE	PCCSP	POLYMER COATED CORRUGATED STEEL PIPE
ABD.	ABANDON	EXIST. (OR EX.)	EXISTING	(P)	PROPOSED
ADJ.	ADJUST	FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	R	RADIUS OF CURVATURE/RIGHT
AG, AGR	AGRICULTURAL	FOMK	FIBER OPTIC MARK	(R)	RECORD
APPROX.	APPROXIMATE	FB	FLUSHING BASIN	RCP	REINFORCED CONCRETE PIPE
ARCH.	ARCHAEOLOGICAL	GG	GAS GATE	RD.	ROAD
ATWS	ADDITIONAL TEMPORARY WORKSPACE	GMK	GAS LINE – MARKED	REC.	RECORD LOCATION
BWF	BARBED WIRE FENCE	GMP	GREEN MOUNTAIN POWER	REM.	REMOVE
BND.	BOUND	GSO	GAS SHUT OFF	RET.	RETAIN
BCC	BITUMINOUS CONCRETE CURB	GRAN.	GRANITE	RET. WALL	RETAINING WALL
BIT. CONC.	BITUMINOUS CONCRETE	GC	GRANITE CURB	RMDL	REMODEL
℄	BASELINE	GRV	GRAVEL	RT	RIGHT
BLDG.	BUILDING	GDWY	GRAVEL DRIVEWAY	R.O.W., R/W	RIGHT–OF–WAY
BLSF	BORDERING LAND SUBJECT TO FLOODING	GRL	GUARDRAIL	RR	RAILROAD
B.O.	BY OTHERS	HDPE	HIGH DENSITY POLYETHYLENE PIPE	R&R	REMOVE AND RESET
B.W.	BOTTOM OF WALL	HDD	HORIZONTAL DIRECTIONAL DRILL	R&S	REMOVE AND STACK
BWLL	BROKEN WHITE LANE LINE	HMA	HOT MIX ASPHALT	S.B.	STONE BOUND
CHH	CABLE HANDHOLE	HOR.	HORIZONTAL	SMH	SEWER MANHOLE
CMK	CABLE MARK	HSE	HOUSE	SMK	SEWER LINE – MARKED
CPED	CABLE PEDESTAL	HYD.	HYDRANT	S.W.	SIDEWALK
C/O	CARE OF	I. (OR INV.)	INVERT	ST.	STREET
CTB	CATCH BASIN	IPL	INTERNATIONAL PAPER LATERAL	STA.	STATION
CTB/DI	CATCH BASIN WITH DROP INLET	IPX	INTERNATIONAL PAPER EXTENTION	SWEL	SOLID WHITE EDGE LINE
CEM.	CEMENT	LT	LEFT	SWLL	SOLID WHITE LANE LINE
CLDI	CEMENT LINED DUCTILE IRON PIPE	L	LENGTH OF CURVE/LEFT	SYCL	SINGLE YELLOW CENTERLINE
CLFC	CHAIN LINK FENCE	LBS	POUNDS	SYLL	SINGLE YELLOW LANE LINE
C.I.	CURB INLET	L.P.	LIGHT POLE	SHW	STONE HEADWALL
℄	CENTERLINE	L.F.	LINEAR FEET	STPL	STOP LINE
℄ CONST.	CENTERLINE OF CONSTRUCTION	MH	MANHOLE	T	TANGENT/TRUCK PERCENTAGE
CONC.	CONCRETE	MLV	MAIN LINE VALVE	TAN.	TANGENT DISTANCE OF CURVE
CC	CONCRETE CURB	M.P.	MILE POST	TEMP.	TEMPORARY
CDWY	CONCRETE DRIVEWAY	MHD	MASS HIGHWAY BOUND	TMH	TELEPHONE MANHOLE
CHW	CONCRETE HEADWALL	MSE	MECHANICALLY STABILIZED EARTH	TMK	TELEPHONE LINE – MARKED
CPD	CONCRETE PAD	MPOST	METAL POST	TPED	TELEPHONE PEDESTAL
CON	CONIFEROUS TREE	MWELL	MONITORING WELL	TL	TEST LEAD
CONST.	CONSTRUCT(ION)	NAD	NORTH AMERICAN DATUM	TWR	TOWER
CU	CONTINUATION UNKNOWN	NTS	NOT TO SCALE	TWY	TRAVELED WAY
CMP	CORRUGATED METAL PIPE	N/F	NOW OR FORMERLY	TSP	TRAFFIC SIGNAL POLE
CPP	CORRUGATED PLASTIC PIPE	ODWY	OTHER DIRT DRIVEWAY	T.W.	TOP OF WALL
DSWL	DASHED SINGLE WHITE LINE	OTFC	OTHER FENCE	TYP.	TYPICAL
DSYL	DASHED SINGLE YELLOW LINE	PAVT.	PAVEMENT	UTC	UTILITY COVER
DEC	DECIDUOUS TREE	PED	PEDESTRIAN	UTP, UP	UTILITY POLE
DDWY	DIRT DRIVEWAY	PDWY	PAVED DRIVEWAY	VT SPC	VERMONT STATE PLANE COORDINATE
DDYL	DOUBLE DASHED YELLOW LINE	P.C.	POINT OF CURVATURE	VEC	VERMONT ELECTRIC COOPERATIVE
D	DRAIN	P.C.C.	POINT OF COMPOUND CURVATURE	VELCO	VERMONT ELECTRIC POWER COMPANY
DMH	DRAINAGE MANHOLE	PGL	PROFILE GRADE LINE	VERT.	VERTICAL
DTWY	DIRT TRAVELED WAY	P.I.	POINT OF INTERSECTION	WMK	WATER LINE – MARKED
DWY	DRIVEWAY	(PAS)	PRIME AGRICULTURAL SOIL	W.M.	WATER METER/WATER MAIN
DYCL	DOUBLE YELLOW CENTERLINE	ℙ, P/L	PROPERTY LINE	WSO	WATER SHUT OFF
EOP	EDGE OF PAVEMENT	PM	PARKING METER	WV	WATER VALVE
E	ELECTRIC	PWWY	PAVED WALKWAY	WIF	WIRE FENCE
EBOX	ELECTRIC BOX	P.R.C.	POINT OF REVERSE CURVATURE	WDFC	WOOD FENCE
EHH	ELECTRIC HANDHOLE	P.C.	POINT OF CURVATURE	WPOST	WOOD POST
EMK	ELECTRIC LINE – MARKED	PLA	PLANTER	X–ING	CROSSING
ELEV. (OR EL)	ELEVATION	P.T.	POINT OF TANGENCY		

CONSTRUCTION NOTES

1. PROPOSED PIPE IS 12.75" O.D. ITS WALL THICKNESS AND PROTECTIVE COATINGS VARY DEPENDING ON CLASS DETERMINATION AND SITE CONDITIONS.

2. AREAS WHERE THE PIPE IS INSTALLED IN ROCK TRENCH SHALL REQUIRE THE EPOXY POLYETHYLENE 10/40 COATED PIPE TO BE WRAPPED WITH TUFF N NUFF ROCK SHIELD. CONTRACTOR TO IDENTIFY AND DOCUMENT THESE AREAS DURING INSTALLATION.

3. ALL CONSTRUCTION MUST CONFORM TO FEDERAL SPECIFICATIONS, PART 192 IN TITLE 49 CFR AND APPLICABLE, STATE AND LOCAL REGULATIONS.

4. ALL CONSTRUCTION SIGNING, DRUMS, BARRICADES AND OTHER DEVICES SHALL CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) INCLUDING ALL REVISIONS AND ADENDA.

5. ALL VEHICLES ARE TO BE HIGHLY VISIBLE USING ROTATING BEACONS AND BE MARKED BY USE OF TRAFFIC CONES.

6. VERMONT GAS SYSTEMS SHALL NOTIFY EACH ABUTTER AT LEAST 48 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY OBSTRUCTION OF ACCESS.

7. CONTRACTOR SHALL MAINTAIN 1–FOOT MINIMUM CLEARANCE BETWEEN PROPOSED PIPELINES AND OTHER UTILITIES.

8. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING RIGHT OF WAY FENCE AS NECESSARY.

9. CONTRACTOR SHALL SUPPLY TEMPORARY ROAD SIGNS AS NECESSARY.

10. ALL TRENCH EXCAVATION PROTECTION SYSTEMS SHALL BE IN COMPLIANCE WITH OSHA SPECIFICATIONS.

11. CONTRACTOR MUST CONFIRM WITH OWNER AND ENGINEER THAT ALL PERMITS AND RIGHTS OF WAY HAVE BEEN OBTAINED, REVIEWED, AND UNDERSTOOD BEFORE CONSTRUCTING IN ANY AREA.

12. THE PIPE COATING TYPE, LOCATION AND LENGTH IDENTIFIED ON THE DRAWINGS IS TO BE VERIFIED PRIOR TO CONSTRUCTION BASED ON ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL PROVIDE THE APPROPRIATE PIPE COATING TYPE, LOCATION AND LENGTH AS DETERMINED BY THE CONSTRUCTION MANAGER BASED ON ACTUAL CONDITIONS.

GENERAL NOTES

1.TOPOGRAPHICAL DETAIL SHOWN HEREON IS THE RESULT OF SURVEY CONDUCTED BY CHA IN THE SUMMER AND FALL OF 2012 AND THE COMPILATION OF EXISTING TOPOGRAPHIC DATA PROVIDED BY THE VERMONT AGENCY OF TRANSPORTATION (VTRANS) AND THE VERMONT TRANSMISSION COMPANY (VELCO).

2. PROPERTY LINES SHOWN HEREON ARE BASED ON TAX MAP AND DO NOT REPRESENT A PROPERTY LINE RETRACEMENT SURVEY EFFORT.

3. LOCATION OF ANY IDENTIFIED UNDERGROUND UTILITIES IS APPROXIMATE ONLY, AND IS NOT WARRANTED TO BE CORRECT. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT INDICATED ON THESE PLANS. ALL EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR FOR SERVICE, SIZE, INVERT ELEVATIONS, LOCATION, ETC. CONTRACTOR MUST NOTIFY DIG–SAFE VERMONT AT 811 AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

4. SURVEY WAS CONDUCTED IN VERMONT ZONE, NAD83 HORIZONTAL COORDINATE SYSTEM. ELEVATIONS ARE BASED ON NAVD 88 AND REFERENCED TO TEMPORARY BENCHMARKS AS SHOWN ON THE PLANS.

5. ENVIRONMENTAL CONDITIONS INFORMATION SHOWN IS THE RESULT OF SURVEY CONDUCTED BY VHB IN 2013 AND 2014.

6. THE LOCUS LIES IN VARIOUS FIRM ZONES, DESCRIBED ON THE FOLLOWING COMMUNITY PANEL NUMBERS:
5007C0143 D, 5007C0144 D, 5007C0163 D, 5007C0164 D, 5007C0277 D, 5007C0281 D, 5007C0279 D, 5007C0290 D, 5001670005 A, 5001670010 A, 5000090002 A, 5000090004 A, AND 5000080003 A

7. THE PURPOSE OF THIS PLAN SET IS TO IDENTIFY TO THE APPROPRIATE PERMITTING AGENCIES THE PROPOSED LOCATION FOR A NATURAL GAS PIPELINE AND ITS LOCATION RELATIVE TO TOPOGRAPHICAL FEATURES, EXISTING, AND PROPOSED UTILITIES.

8. CONTRACTOR MUST CONFIRM WITH OWNER AND ENGINEER THAT ALL PERMITS AND R.O.W. HAVE BEEN OBTAINED BEFORE CONSTRUCTING IN ANY AREA.

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
		3	GJM	BCK	IFC 2016 EDITS (05/2016)
		2	BCK	TDB	CP TEST LEAD EDIT (9/14/15)
		1	BCK	TDB	PILLSBURY REROUTE & REDMOND RD. HDD CHANGE (6/05/15)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
LEGEND & NOTES

LOC. CHITTENDEN & ADDISON COUNTIES

YEAR: 2016 | W.O. | SCALE: N/A | DWG. ANGP–T–G–003 | REV. 3

Vermont Gas

VHB Vanasse Hangen Brustlin, Inc.

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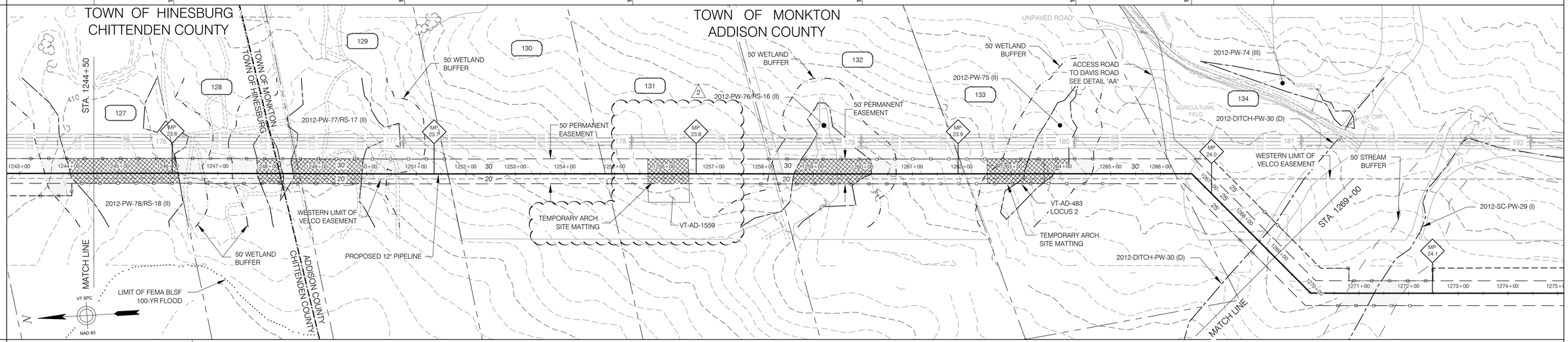
South Burlington, VT 05403
Main: (802) 735-0372 - www.chacompanies.com

RIGHT–OF–WAY								
MATCH LINE	127 N/F LEUSCHNER, EDWARD T. JR. & DAWN	128 N/F DERRICK, DIANE M.	TOWN OF HINESBURG / TOWN OF MONKTON	129 N/F WEAVER, TODD & TAMMY	130 N/F ALMOND, DAIVD	131 N/F STEIN, PHILIP J.	132 N/F MAY, PETER M. & SANDRA	133 N/F NOLAN, KATHLEEN	134 N/F NORRIS, NORMA	MATCH LINE

SURVEY DATA							
00°12' RT	00°11' LT	00°05' RT	00°07' LT	00°08' RT	45° 00' RT		
S 03° 18' W	S 03° 31' W	S 03° 19' W	S 03° 25' W	S 03° 17' W	S 03° 26' W	S 48° 26' W	
1246+09	1250+75	1255+35	1259+97	1264+28	1266+63		

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1244+50 TO 1266+50 RT - 20' FROM NEW 12" PIPE ℄
STA. 1244+50 TO 1266+12 LT - 30' FROM NEW 12" PIPE ℄
STA. 1266+65 LT - 1269+00 LT 25' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1244+50 TO 1250+89 RT - 20' FROM NEW 12" PIPE ℄
STA. 1244+50 TO 1251+62 LT - 30' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1244+50 TO 1246+24

INSTALL MATTING:
STA. 1247+79 TO 1249+93

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1257+58 TO 1264+96 RT - 20' FROM NEW 12" PIPE ℄
STA. 1257+70 TO 1265+16 LT - 30' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1255+67 TO 1256+50

INSTALL MATTING:
STA. 1258+61 TO 1260+17

INSTALL MATTING:
STA. 1262+51 TO 1264+31

INSTALL CONSTRUCTION DEMARCATION:
STA. 1266+50 TO 1269+00 RT - 25' FROM NEW 12" PIPE ℄
STA. 1268+63 TO 1269+00 LT - 50' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1268+06 TO 1269+00 RT - 25' FROM NEW 12" PIPE ℄
STA. 1268+02 TO 1269+00 LT - 50' FROM NEW 12" PIPE ℄

INSTALL STABILIZED CONSTRUCTION ENTRANCE:
STA. 1266+25

HORIZONTAL SCALE
100 50 0 100 200 300 feet
100 50 0 100 200 300 feet
VERTICAL SCALE

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE	W	W	2D	A	W	A	W	1A	1A		
SOIL TYPE	VeB (PAS)	VgB (PAS)	AdB (PAS)			VgB (PAS)			EIB		
LC/LU	PASTURE / AGRICULTURE										
STREAMS									2012-DITCH-PW-30 (D)		
WETLANDS	WETLAND 2012-PW-78/RS-18- STATION 1244+50 TO 1246+79 CLASS II		WETLAND 2012-PW-77/RS-17- STATION 1247+30 TO 1251+12 CLASS II			WETLAND 2012-PW-76/RS-16- STATION 1258+08 TO 1260+67 CLASS II		WETLAND 2012-PW-75- STATION 1262+39 TO 1264+65 CLASS II			
VERNAL POOLS											
SIGNIFICANT NATURAL COMMUNITIES											
RTE SPECIES											
NRC WILDLIFE HABITAT											
ARCHAEOLOGY SITES				VT-AD-1559			VT-AD-483 LOCUS 2				

MATCH LINE

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP–T–G–07–010	ACCESS ROAD DETAILS	2	GJM	BCK	IFC PLAN SET EDITS (05/2016)
ANGP–T–C–049	ALIGNMENT SHEET	1	BCK	TDB	ROTAX ROAD REROUTE (10/26/15)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP–EPSC–049 | REV. 2

Vermont Gas

VHB Vanasse Hangen Brustlin, Inc.

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RIGHT-OF-WAY

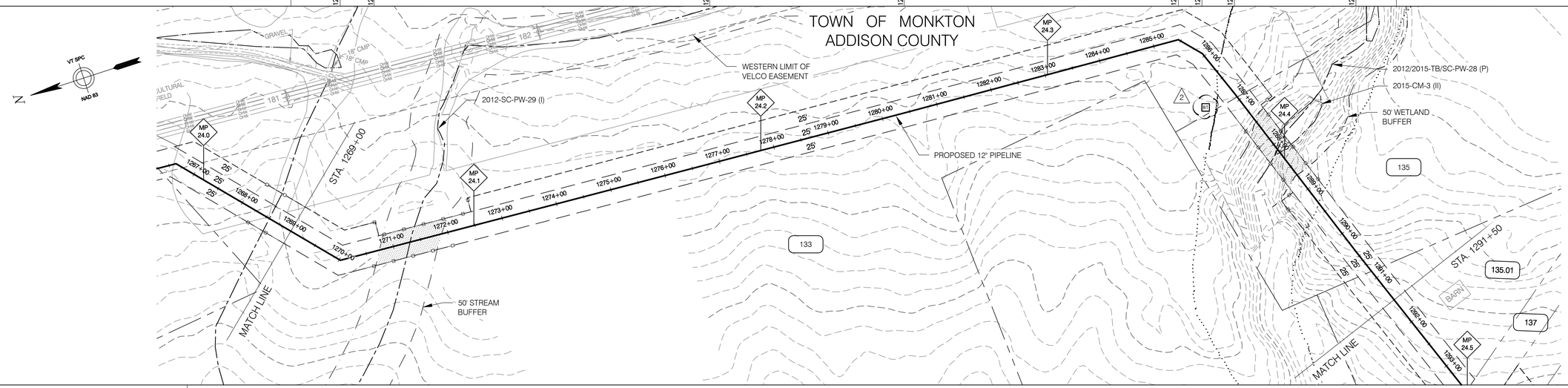
MATCH LINE | 133 N/F NORRIS, NORMA | 135 N/F MAYO, KEITH | MATCH LINE | 135.01 N/F LATREILLE, RAYMOND

SURVEY DATA

S 48° 26' W | 45°00' LT | S 03° 25' W | 00°02' RT | S 03° 23' W | 00°01' RT | S 03° 21' W | 00°19' RT | S 03° 02' W | 45°00' RT | S 48° 02' W | 21°03' RT | S 69° 06' W | 01°21' RT | S 70° 27' W | 00°49' RT | S 69° 38' W

1270+02 | 1270+64 | 1276+52 | 1280+41 | 1285+45 | 1285+95 | 1286+67 | 1290+43

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1269+00 TO 1288+89 RT - 25' FROM NEW 12" PIPE ℄
STA. 1288+89 TO 1291+50 RT - 50' FROM NEW 12" PIPE ℄
STA. 1269+00 TO 1270+78 LT - 50' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1269+00 TO 1269+08 RT - 25' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1270+78 TO 1272+50 LT - 25' FROM NEW 12" PIPE ℄
STA. 1272+50 TO 1287+31 LT - 50' FROM NEW 12" PIPE ℄
STA. 1287+31 TO 1291+50 LT - 25' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1270+14 TO 1272+24 RT - 25' FROM NEW 12" PIPE ℄
STA. 1287+17 TO 1288+89 RT - 25' FROM NEW 12" PIPE ℄
STA. 1288+89 TO 1289+19 RT - 50' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1270+43 TO 1270+79 LT - 50' FROM NEW 12" PIPE ℄
STA. 1270+79 TO 1272+49 LT - 25' FROM NEW 12" PIPE ℄
STA. 1272+49 TO 1272+55 LT - 50' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1286+49 TO 1287+31 LT - 50' FROM NEW 12" PIPE ℄
STA. 1287+31 TO 1289+19 LT - 25' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1287+90 TO 1288+19

HORIZONTAL SCALE
100 50 0 100 200 300 feet
VERTICAL SCALE
100 50 0 100 200 300 feet

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE	1A	2A	1A				2A	1 W	1A	
SOIL TYPE	EIB	VgB (PAS)					AmB (PAS)	AsD	AsC	
LC/LU	PASTURE / AGRICULTURE									
STREAMS		STREAM 2012-SC-PW-29 (I) STATION 1270+74 TO 1271+88					STREAM 2012/2015-TB/SC-PW-28 (P) STATION 1287+46 TO 1288+67			
WETLANDS							WETLAND 2015-CM-3 (II) STATION 1287+46 TO 1288+67			
VERNAL POOLS										
SIGNIFICANT NATURAL COMMUNITIES										
RTE SPECIES										
NRC WILDLIFE HABITAT										
ARCHAEOLOGY SITES										

MATCH LINE | MATCH LINE

VHB Vanasse Hangen Brustlin, Inc.

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
		2	GJM	BCK	IFC 2016 EDITS (05/2016)
ANGP-T-C-050	ALIGNMENT SHEET	1	BCK	TDB	ROTAX ROAD REROUTE (10/26/15)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-050 | REV. 2

Vermont Gas

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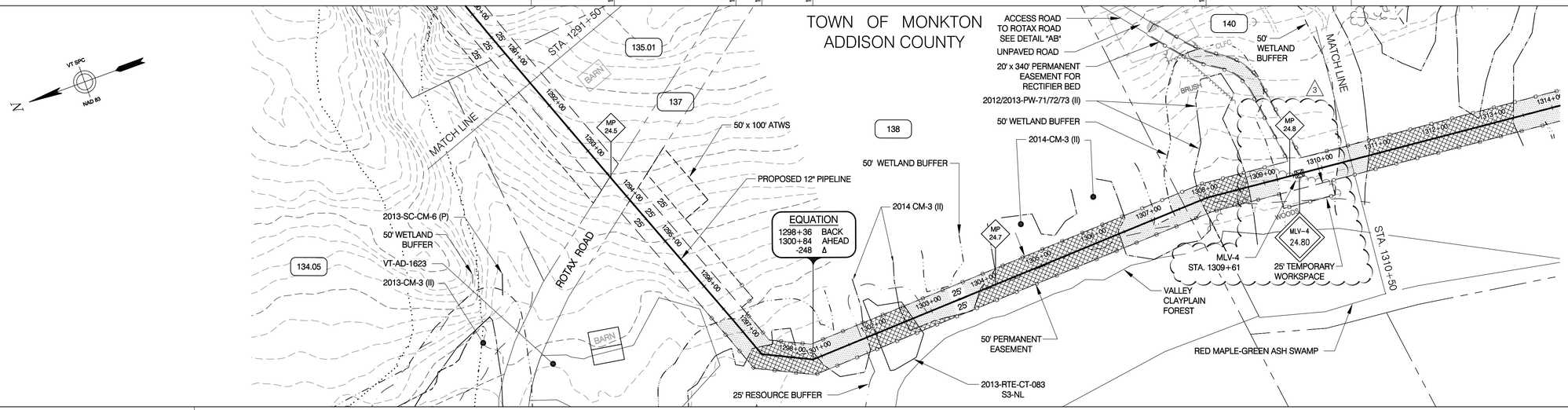
RIGHT-OF-WAY						
MATCH LINE	135.01 N/F LATREILLE, RAYMOND	137 ROTAX ROAD	138 N/F LATREILLE, LEONARD		140 N/F VERMONT GAS SYSTEMS	MATCH LINE

SURVEY DATA						
S 69° 38' W	00°23' LT	S 69° 16' W	00°47' RT / S 70° 03' W / 44°10' LT	S 25° 53' W	28°11' LT	S 02° 18' E	07°41' RT	S 05° 22' W
	1293+68	1296+83	1297+50	1298+36	1308+00	

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1291+50 TO 1293+57 RT - 50' FROM NEW 12" PIPE ℄
STA. 1294+09 TO 1309+22 RT - 25' FROM NEW 12" PIPE ℄
STA. 1309+22 TO 1310+10 RT - 50' FROM NEW 12" PIPE ℄
STA. 1310+10 TO 1310+50 RT - 25' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1296+15 TO 1309+22 RT - 25' FROM NEW 12" PIPE ℄
STA. 1309+22 TO 1310+10 RT - 50' FROM NEW 12" PIPE ℄
STA. 1310+10 TO 1310+50 RT - 25' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1291+50 TO 1293+57 LT - 25' FROM NEW 12" PIPE ℄
STA. 1294+09 TO 1294+88 LT - 100' FROM NEW 12" PIPE ℄
STA. 1294+88 TO 1296+68 LT - 50' FROM NEW 12" PIPE ℄
STA. 1296+68 TO 1310+50 LT - 25' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1296+24 TO 1296+68 LT - 50' FROM NEW 12" PIPE ℄
STA. 1296+68 TO 1309+49 LT - 25' FROM NEW 12" PIPE ℄
STA. 1309+73 TO 1310+50 LT - 25' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1297+25 TO 1300+92

INSTALL MATTING:
STA. 1301+81 TO 1303+60

INSTALL MATTING:
STA. 1303+72 TO 1306+57

INSTALL MATTING:
STA. 1307+87 TO 1308+73

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

HORIZONTAL SCALE
100 50 0 100 200 300 feet
100 50 0 100 200 300 feet
VERTICAL SCALE

CONST. TYPE	1A	11	1A	W	W	2A	W	W	1A	2A
SOIL TYPE	AsC	Lk	Cw (PAS)	RaB (PAS)	Mv
LC/LU	PASTURE / AGRICULTURE	UNPAVED / TRAVEL	PASTURE / AGRICULTURE
STREAMS					
WETLANDS	WETLAND 2014-CM-3 STATION 1296+63 TO 1307+21 CLASS II	WETLAND 2012/2013-PW-71/72/73 STATION 1307+21 TO 1309+22 CLASS II	WETLAND 2012/2013-PW-71/72/73 STATION 1310+30 TO 1310+50 CLASS II
VERNAL POOLS			
SIGNIFICANT NATURAL COMMUNITIES			
RTE SPECIES	2013-RTE-CT-083 S3/NL		
NRC WILDLIFE HABITAT			
ARCHAEOLOGY SITES			

MATCH LINE

VHB Vanasse Hangen Brustlin, Inc.

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South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

Vermont Gas

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
		3	BCK	GEW	MLV-4 RELOCATION (05/01/16)
ANGP-T-G-07-010	ACCESS ROAD DETAILS	2	BCK	TDB	ROTAX ROAD REROUTE (10/26/15)
ANGP-T-C-051	ALIGNMENT SHEET	1	BCK	TDB	ADDED ARCH. SITE AND ENV. EDITS (6/08/15)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-051 | REV. 3

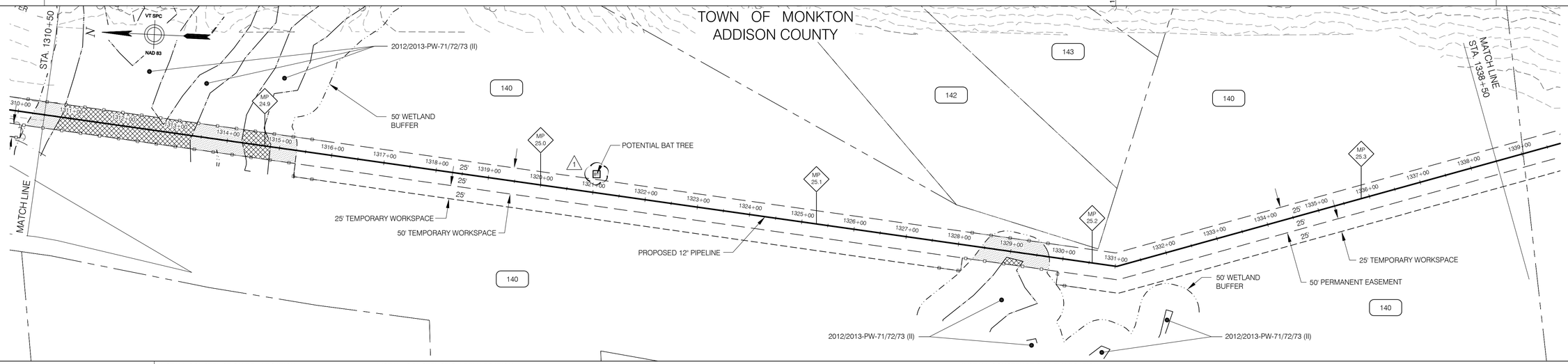
RIGHT-OF-WAY

MATCH LINE | 140 N/F BAILEY, GEORGE | 142 N/F ADAMS, ERIC H. & HEATHER | MATCH LINE

SURVEY DATA

S 05° 22' W | 23°33' LT 1331+03 | S 18° 11' E

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1310+50 TO 1315+40 RT - 25' FROM NEW 12" PIPE ℄
STA. 1310+50 TO 1338+50 LT - 25' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1310+50 TO 1315+40 RT - 25' FROM NEW 12" PIPE ℄
STA. 1310+50 TO 1315+79 LT - 25' FROM NEW 12" PIPE ℄
STA. 1315+40 TO 1315+84 RT - 50' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1310+62 TO 1313+40
STA. 1314+38 TO 1314+82

INSTALL CONSTRUCTION DEMARCATION:
STA. 1315+40 TO 1328+10 RT - 50' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1328+10 TO 1329+95 RT - 25' FROM NEW 12" PIPE ℄
STA. 1329+95 TO 1338+50 RT - 50' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1327+61 TO 1328+10 RT - 50' FROM NEW 12" PIPE ℄
STA. 1328+10 TO 1330+06 LT - 25' FROM NEW 12" PIPE ℄
STA. 1328+10 TO 1329+95 RT - 25' FROM NEW 12" PIPE ℄
STA. 1329+95 TO 1330+44 RT - 50' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1328+75 TO 1329+25

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

HORIZONTAL SCALE
100 50 0 100 200 300 feet
VERTICAL SCALE
100 50 0 100 200 300 feet

CONST. TYPE		W	2A	W	1E	W	2A	1E	
SOIL TYPE	Mv	RaB (PAS)	Cw (PAS)	RaB (PAS)	Cw (PAS)	RaB (PAS)	VgC (PAS)	AsC	
LC/LU		AGRICULTURAL	FORESTED			RESIDENTIAL		AGRICULTURAL	
STREAMS									
WETLANDS	MATCH LINE	WETLAND 2012/2013-PW-71/72/73 STATION 1310+50 TO 1315+33 CLASS II					WETLAND 2012/2013-PW-71/72/73 STATION 1328+10 TO 1329+95 CLASS II		MATCH LINE
VERNAL POOLS									
SIGNIFICANT NATURAL COMMUNITIES									
RTE SPECIES									
NRC WILDLIFE HABITAT									
ARCHAEOLOGY SITES									

VHB Vanasse Hangen Brustlin, Inc.

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP-T-C-052	ALIGNMENT SHEET	1	GJM	BCK	IFC 2016 EDITS (05/2016)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

Vermont Gas

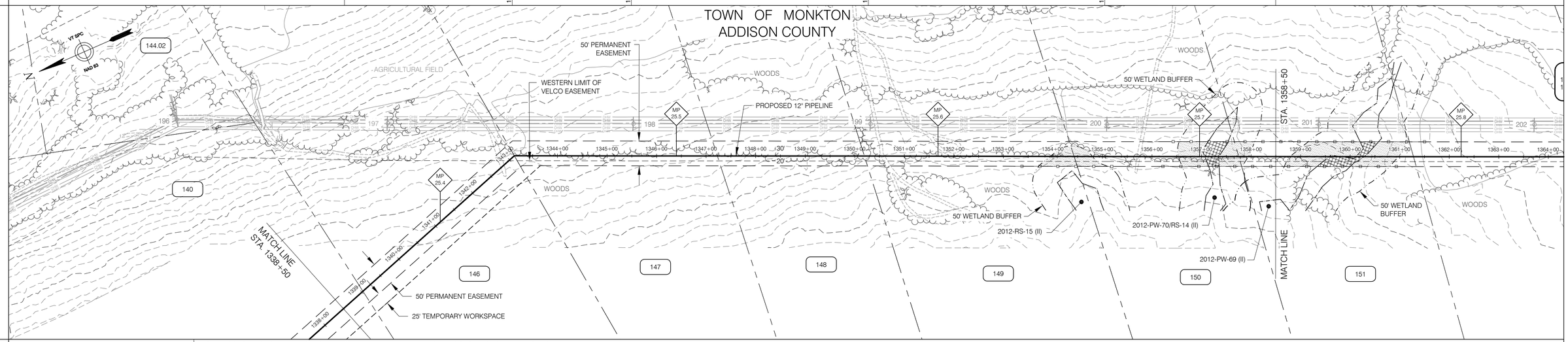
CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-052 | REV. 1

RIGHT-OF-WAY								
	MATCH LINE	140 N/F BAILEY, GEORGE	146 N/F MALZAC, PAUL E. & KATHY	147 N/F BURRITT, MARK A. & MICHELLE	148 N/F NICOLAY, WILLIAM & HELENA	149 N/F BROUGHTON, CLAIRE TRUSTEE	150 N/F MORROW, JAMES F.	151 N/F MEJIA, JOHNY; LAUER, JESSE	MATCH LINE

SURVEY DATA								
		S 18° 11' E	41°55' RT 1343+13	S 23° 44' W	00°03' LT 1345+54	S 23° 41' W	00°05' RT 1350+32	S 23° 47' W	00°06' LT 1355+09	S 23° 40' W	

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1338+50 TO 1343+13 RT - 50' FROM NEW 12" PIPE ℄
STA. 1338+50 TO 1343+13 LT - 25' FROM NEW 12" PIPE ℄
STA. 1343+13 TO 1343+66 RT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1343+66 TO 1358+50 RT - 20' FROM NEW 12" PIPE ℄
STA. 1343+13 TO 1358+50 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1353+21 TO 1355+61 RT - 20' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1356+11 TO 1358+50 RT - 20' FROM NEW 12" PIPE ℄
STA. 1356+05 TO 1358+50 LT - 30' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1357+00 TO 1357+54

HORIZONTAL SCALE
100 50 0 100 200 300 feet
VERTICAL SCALE
100 50 0 100 200 300 feet

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE		1E	2D		W	
SOIL TYPE		AsC	RaC (PAS)	AsC	Cn (PAS)	
LC/LU		AGRICULTURAL	FORESTED / RESIDENTIAL			
STREAMS						
WETLANDS	MATCH LINE		WETLAND 2012-RS-15- STATION 1353+71 TO 1355+11 CLASS II	WETLAND 2012-PW-70/RS-14- STATION 1357+56 TO 1358+08 CLASS II		MATCH LINE
VERNAL POOLS						
SIGNIFICANT NATURAL COMMUNITIES						
RTE SPECIES						
NRC WILDLIFE HABITAT						
ARCHAEOLOGY SITES						

VHB Vanasse Hangen Brustlin, Inc.

								BID		CONSTRUCTION		
							ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016	
							DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016	
							DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016	
							DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016	
ANGP-T-C-053	ALIGNMENT SHEET						DESIGN MANAGER	SAB	06/28/13	JEO	05/2016	
DWG. NO.	REFERENCE DWG.	REV	DSN	CK		DESCRIPTION		INITIALS	DATE	INITIALS	DATE	

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

Vermont Gas

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-053 | REV. 0

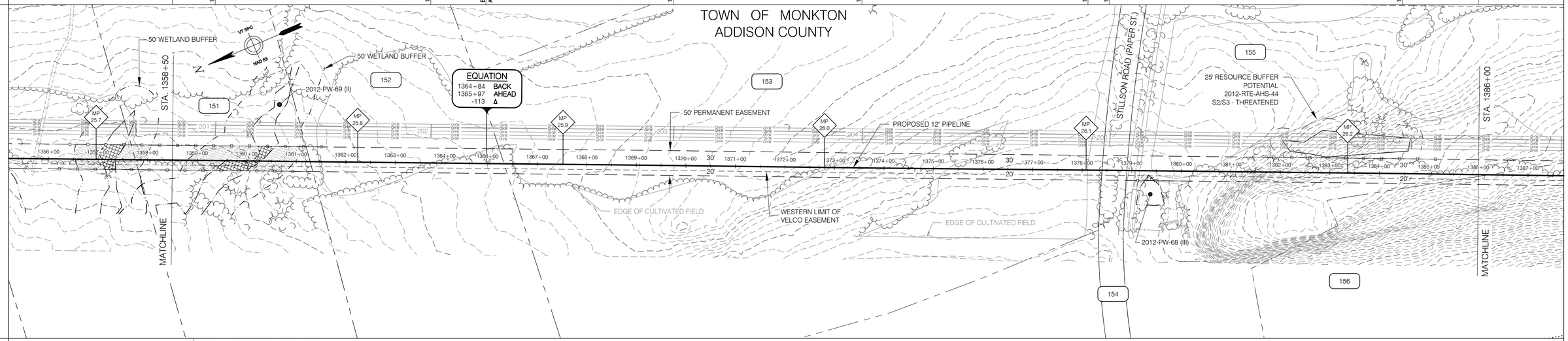
RIGHT-OF-WAY

MATCHLINE | 151 N/F MEJIA, JOHNY & LAUER, JESSE | 152 N/F LESAGE, RICHARD L.; RICHARD E. LESAGE REVOCABLE LIVING TRUST | 153 N/F PEYSER, LOUISE SELINA | 154 STILLSON ROAD | 155 N/F PEYSER, LOUISE SELINA | 156 N/F MENARD, GERALD & NANCY | MATCH LINE

SURVEY DATA

S 23° 40' W | 00°02' RT | 1359+37 | S 23° 43' W | 00°01' LT | 1363+72 | S 23° 41' W | -113.3 ft. Bck: 1364+84 Ahd: 1365+97 | S 23° 41' W | 00°08' RT | 1369+75 | S 23° 49' W | 00°10' LT | 1373+56 | S 23° 39' W | 00°10' LT | 1378+13 | S 23° 28' W | 00°15' RT | 1378+56 | S 23° 43' W | 00°07' RT | 1384+47 | S 23° 51' W

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1358+50 TO 1386+00 RT - 20' FROM NEW 12" PIPE ℄
STA. 1358+50 TO 1386+00 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1358+50 TO 1361+30 RT - 20' FROM NEW 12" PIPE ℄
STA. 1358+50 TO 1361+63 LT - 30' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1359+33 TO 1360+58

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1378+89 TO 1379+96 RT - 20' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1381+48 TO 1385+27 LT - 30' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1379+27 TO 1379+46

HORIZONTAL SCALE
100 50 0 100 200 300 feet
VERTICAL SCALE
100 50 0 100 200 300 feet

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE			W							2D								11	W		2D			
SOIL TYPE		Cn (PAS)		RaC (PAS)		Cn (PAS)			BsC		BeB (PAS)		RaB (PAS)		Cn (PAS)		BeB (PAS)			FaC			
LC/LU		AGRICULTURAL/POWERLINES				FORESTED				RESIDENTIAL				GRASS				UNPAVED TRAVEL	FORESTED AGRICULTURAL/POWERLINES					
STREAMS																								
WETLANDS	MATCH LINE		WETLAND 2012-PW-69 - STATION 1358+67 TO 1361+14 CLASS II												WETLAND 2012-PW-68 - STATION 1379+27 TO 1379+46 CLASS III									MATCH LINE
VERNAL POOLS																								
SIGNIFICANT NATURAL COMMUNITIES																								
RTE SPECIES																			POTENTIAL 2012-RTE-AHS-44					
NRC WILDLIFE HABITAT																								
ARCHAEOLOGY SITES																								

VHB Vanasse Hangen Brustlin, Inc.

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP-T-C-054	ALIGNMENT SHEET				

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

Vermont Gas

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-054 | REV. 0

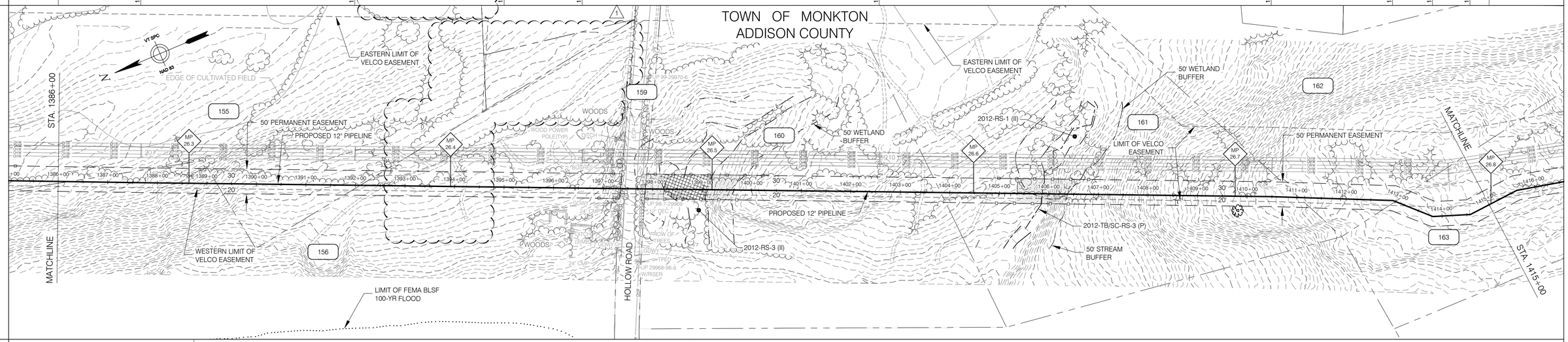
RIGHT-OF-WAY

MATCHLINE | 155 N/F PEYSER, LOUISE SELINA | 156 N/F MENARD, GERALD, NANCY | 156 N/F MENARD, GERALD, NANCY | 155 N/F PEYSER, LOUISE SELINA | 156 N/F MENARD, GERALD & NANCY | 159 HOLLOW ROAD | 160 N/F COUSINO, VICKI A. | 161 N/F WAGEMAN, EDWIN J. & CAROLE | 162 N/F BEAUPRE, MARC & GRETCHEN | 163 N/F HENDRY, MARTHA M. | MATCH LINE

SURVEY DATA

S 23° 51' W	S 23° 42' W	S 23° 43' W	S 23° 43' W	S 23° 42' W	S 23° 43' W	S 24° 51' W	S 44° 47' W	S 19° 55' W	S 04° 33' E		
00°08' LT	00°01' RT	00°01' RT	00°01' LT	00°01' RT	01°08' RT	19°56' RT	24°52' LT	24°27' LT			
1387+67	1391+99	1395+00	1396+58	1402+58	1410+50	1412+95	1413+81	1414+57			

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1386+00 TO 1397+34 RT - 20' FROM NEW 12" PIPE ℄
STA. 1386+00 TO 1397+37 LT - 30' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1397+84 TO 1415+00 RT - 20' FROM NEW 12" PIPE ℄
STA. 1397+88 TO 1415+00 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1396+84 TO 1397+34 RT - 20' FROM NEW 12" PIPE ℄
STA. 1396+87 TO 1397+37 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1397+84 TO 1400+09 RT - 20' FROM NEW 12" PIPE ℄
STA. 1397+88 TO 1400+36 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1404+74 TO 1406+85 RT - 20' FROM NEW 12" PIPE ℄
STA. 1404+90 TO 1407+13 LT - 30' FROM NEW 12" PIPE ℄

1 INSTALL STABILIZED CONSTRUCTION ENTRANCE:
STA. 1397+34 & STA. 1397+88

INSTALL MATTING:
STA. 1398+15 TO 1399+21

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

HORIZONTAL SCALE: 100 50 0 100 200 300 feet
VERTICAL SCALE: 100 50 0 100 200 300 feet

CONST. TYPE	2D				9	W	2D				
SOIL TYPE	FaC	BsC	BsC / BsE		RaD	BsC	RaD	FaE	FaC	FaE	
LC/LU	FORESTED / AGRICULTURAL/POWERLINES				PAVED TRAVEL	FORESTED / AGRICULTURAL/POWERLINES					
STREAMS								STREAM 2012-TB/SC-RS-3 (P) - STATION 1405+24 TO 1406+63			
WETLANDS						WETLAND 2012-RS-3 - STATION 1397+63 TO 1399+88 CLASS II					
VERNAL POOLS											
SIGNIFICANT NATURAL COMMUNITIES											
RTE SPECIES											
NRC WILDLIFE HABITAT											
ARCHAEOLOGY SITES											

MATCH LINE

VHB Vanasse Hangen Brustlin, Inc.

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP-T-C-055	ALIGNMENT	1	BCK	GEW	MLV-4 RELOCATION (05/01/16)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-055 | REV. 1

Vermont Gas

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

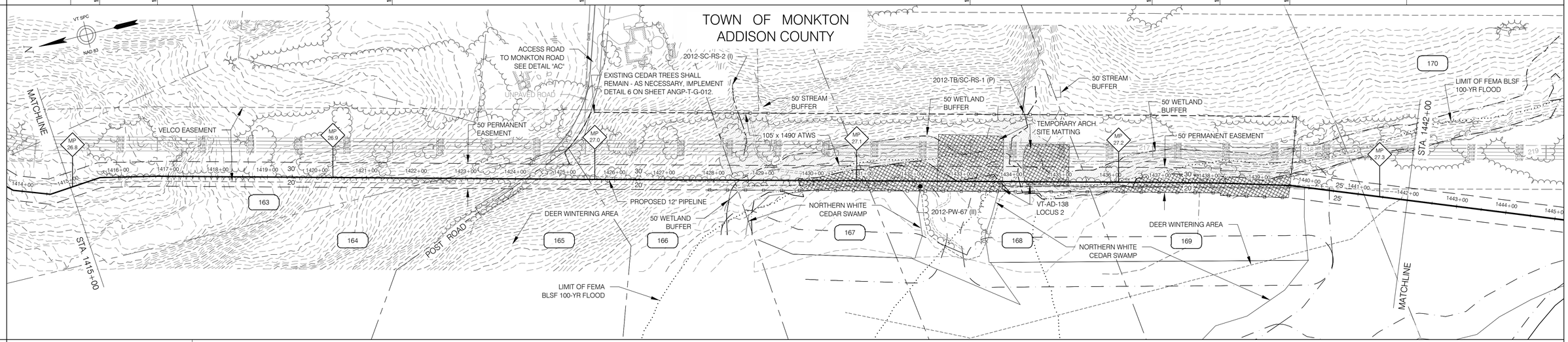
RIGHT-OF-WAY	
MATCHLINE	
163	N/F HENDRY, MARTHA M.
164	N/F RADLER, ROBERT & BUSCAGLIA, CATHIE M.
165	N/F CHARNLEY, JACQUELINE & THOMAS A.
POST ROAD	
166	N/F BOWEN, MICHAEL H. & ELLEN L.
167	N/F LITTLE, ROBERT A. & FAITH E.
168	N/F COTA, ROGER & ALYSON
169	N/F CLARK, RICKY D. & MAREN E.
170	N/F ALDERMAN, MICHAEL J.
MATCH LINE	

SURVEY DATA

S 04° 33' E	17'08" RT	S 12° 36' W	01'46" RT	S 14° 22' W	00'03" RT	S 14° 26' W	00'10" LT	S 14° 15' W	00'02" RT	S 14° 18' W	00'14" RT	S 14° 32' W
1415+63		1416+79			1421+53		1425+42		1433+18		1436+85	

01'25" RT	S 15° 58' W	05'10" RT	S 21° 08' W		
1438+22		1439+62			

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1415+00 TO 1438+22 RT - 20' FROM NEW 12" PIPE ℄
STA. 1415+00 TO 1424+50 LT - 30' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1424+75 TO 1425+53 LT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1425+53 TO 1438+22 LT - 135' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1438+22 TO 1439+60 RT - 25' FROM NEW 12" PIPE ℄
STA. 1438+22 TO 1439+62 LT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1427+86 TO 1438+22 RT - 20' FROM NEW 12" PIPE ℄
STA. 1427+46 TO 1429+52 LT - 135' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1433+21 TO 1435+42 LT - 135' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1438+22 TO 1439+60 RT - 25' FROM NEW 12" PIPE ℄

INSTALL STABALIZED CONSTRUCTION ENTRANCE:
STA. 1425+40

INSTALL MATTING:
STA. 1429+70 TO 1433+95

INSTALL MATTING:
STA. 1434+23 TO 1435+27

INSTALL MATTING:
STA. 1435+90 TO 1439+60

HORIZONTAL SCALE
100 50 0 100 200 300 feet
100 50 0 100 200 300 feet
VERTICAL SCALE

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE	2D	11	2D	W	A	A	W	8				
SOIL TYPE	FaC	FaE	BsE	BsC	Mv							
LC/LU	FORESTED											
	AGRICULTURAL/POWERLINES											
STREAMS	STREAM 2012-SC-RS-2 (I) - STATION 1427+96 TO 1429+06			STREAM 2012-TB/SC-RS-1 (P) - STATION 1433+51 TO 1434+92								
WETLANDS	WETLAND 2012-PW-67 - STATION 1428+36 TO 1442+00 CLASS II											
VERNAL POOLS												
SIGNIFICANT NATURAL COMMUNITIES	NORTHERN WHITE CEDAR SWAMP			NORTHERN WHITE CEDAR SWAMP								
RTE SPECIES												
NRC WILDLIFE HABITAT	DEER WINTERING AREA			DEER WINTERING AREA								
ARCHAEOLOGY SITES	VT-AD-138 LOCUS 2			VT-AD-138 LOCUS 2								

MATCH LINE

Vanasse Hangen Brustlin, Inc.

		BID		CONSTRUCTION	
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016	
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016	
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016	
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016	
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016	
	INITIALS	DATE	INITIALS	DATE	

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

Vermont Gas

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP-T-G-07-010	ACCESS ROAD DETAILS				
ANGP-T-C-056	ALIGNMENT				

YEAR: 2016	W.O.	SCALE: 1" = 100'	DWG. ANGP-EPSC-056	REV. 0

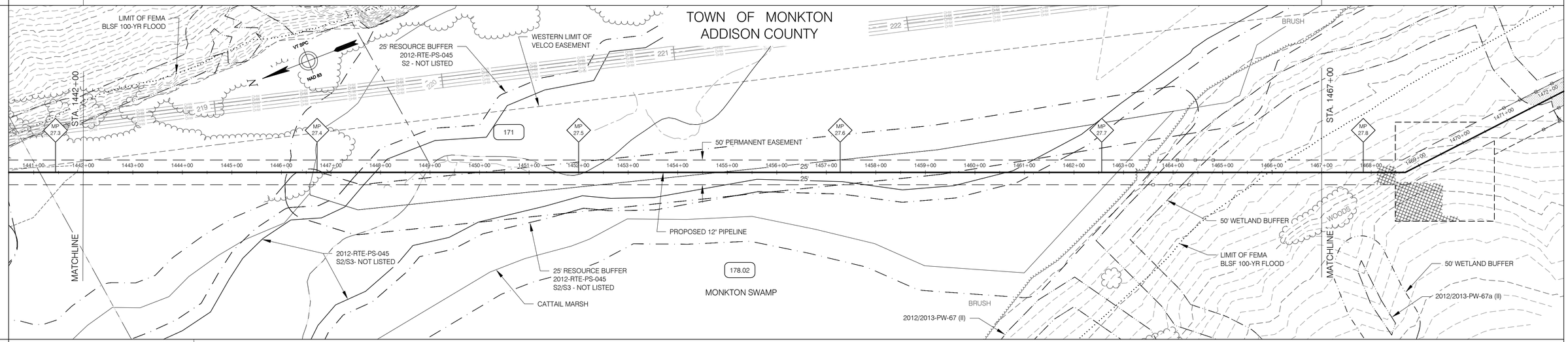
RIGHT-OF-WAY

MATCH LINE | 170 N/F ALDERMAN, MICHAEL J. | 171 N/F BOISSE, HENRY | 171 N/F BOISSE, HENRY | 178.02 N/F BOISSE, JOSEPH A.; WILLIAMS, DAVID L. | MATCH LINE

SURVEY DATA

S 21° 08' W

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1463+49 TO 1464+68 RT - 25' FROM NEW 12" PIPE ℄
STA. 1463+97 TO 1465+18 LT - 25' FROM NEW 12" PIPE ℄

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

HORIZONTAL SCALE
100 50 0 100 200 300 feet
100 50 0 100 200 300 feet
VERTICAL SCALE

CONST. TYPE	8		
SOIL TYPE	Mv	Lh / Sw (PAS)	Cn (PAS)
LC/LU	CEDAR SWAMP / WETLAND		GRASS / AGRICULTURE
STREAMS			
WETLANDS	WETLAND 2012/2013-PW-67 - STATION 1442+00 TO 1465+22 CLASS II		
VERNAL POOLS			
SIGNIFICANT NATURAL COMMUNITIES	CATTAIL MARSH		
RTE SPECIES	2012-RTE-PS-045 S2/S3 - NOT LISTED		
NRC WILDLIFE HABITAT			
ARCHAEOLOGY SITES			

MATCH LINE

Vanasse Hangen Brustlin, Inc.

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

Vermont Gas

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP-T-C-057	ALIGNMENT SHEET				

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-057 | REV. 0

RIGHT-OF-WAY

MATCHLINE

178.02
N/F
BOISSE, JOSEPH A.
& WILLIAMS, DAVID L.

178.05
N/F
HUIZENGA, RAYMOND J.
& BONITA

MATCH LINE

SURVEY DATA

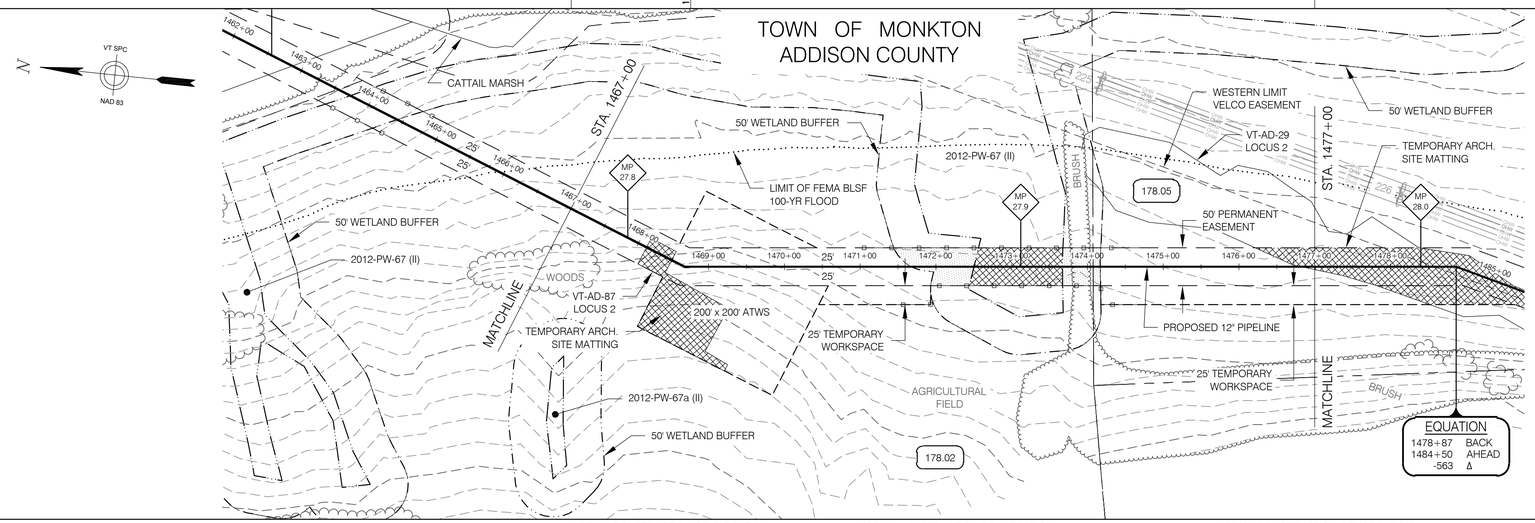
S 21° 08' W

27.05' LT

1468+69

S 05° 57' E

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1467+00 TO 1468+49 RT - 50' FROM NEW 12" PIPE ℄
STA. 1467+00 TO 1468+49 LT - 25' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1468+49 TO 1470+46 RT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1468+49 TO 1470+43 LT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1470+46 TO 1471+90 RT - 50' FROM NEW 12" PIPE ℄
STA. 1470+43 TO 1477+00 LT - 25' FROM NEW 12" PIPE ℄
STA. 1471+90 TO 1474+20 RT - 25' FROM NEW 12" PIPE ℄
STA. 1474+20 TO 1477+00 RT - 50' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1471+47 TO 1471+90 RT - 50' FROM NEW 12" PIPE ℄
STA. 1470+94 TO 1474+68 LT - 25' FROM NEW 12" PIPE ℄
STA. 1471+90 TO 1474+20 RT - 25' FROM NEW 12" PIPE ℄
STA. 1474+20 TO 1474+68 RT - 50' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1468+12 TO 1469+25

INSTALL MATTING:
STA. 1472+43 TO 1473+68

HORIZONTAL SCALE
100 50 0 100 200 300 feet
VERTICAL SCALE
100 50 0 100 200 300 feet

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE	8	A	2A	1E	2A W	1E
SOIL TYPE	Cn (PAS)		RaB (PAS)			
LC/LU	PASTURE / AGRICULTURE					
STREAMS						
WETLANDS			WETLAND 2012-PW-67 - STATION 1471+44 TO 1474+17 CLASS II			
VERNAL POOLS						
SIGNIFICANT NATURAL COMMUNITIES						
RTE SPECIES						
NRC WILDLIFE HABITAT						
ARCHAEOLOGY SITES		VT-AD-87 LOCUS 2				

MATCH LINE

MATCH LINE

VHB Vanasse Hangen Brustlin, Inc.

		BID		CONSTRUCTION		
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016		
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016		
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016		
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016		
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016		
	INITIALS	DATE	INITIALS	DATE		

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

Vermont Gas

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-058 | REV. 0

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP-T-C-058	ALIGNMENT SHEET				

RIGHT-OF-WAY

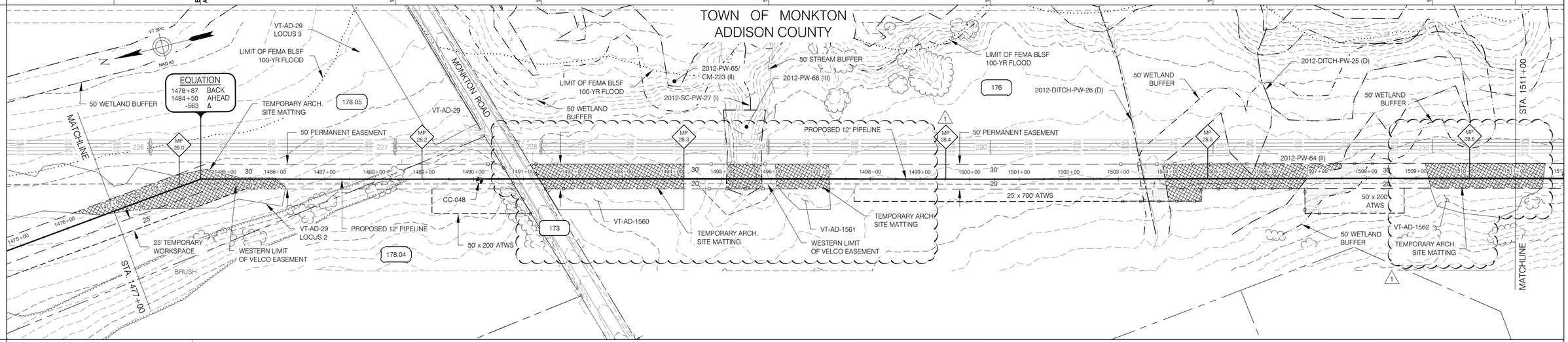
MATCHLINE | 178.05 N/F HUIZENGA, RAYMOND J. & BONITA | 178.04 N/F HUIZENGA, RAYMOND J. & BONITA | 182 MONKTON ROAD | 176 N/F HUIZENGA, CHARLES & RAYMOND | MATCH LINE

SURVEY DATA

S 05° 57' E | S 14° 22' W | S 14° 12' W | S 14° 20' W | S 14° 25' W | S 14° 13' W | S 14° 10' W | S 14° 23' W

-563.4 ft. | Bsc. 1478+87 Abc. 1484+50 2919' RT | 00°10' LT 1488+42 | 00°08' RT 1491+38 | 00°04' RT 1495+95 | 00°11' LT 1500+43 | 00°02' LT 1504+91 | 00°12' RT 1509+34

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1477+00 TO 1478+87 RT - 50' FROM NEW 12" PIPE ℄
STA. 1477+00 TO 1478+87 LT - 25' FROM NEW 12" PIPE ℄
STA. 1478+87 TO 1485+40 RT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1485+40 TO 1489+16 RT - 20' FROM NEW 12" PIPE ℄
STA. 1478+87 TO 1490+56 LT - 30' FROM NEW 12" PIPE ℄
STA. 1489+16 TO 1491+16 RT - 70' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1491+44 TO 1497+67 RT - 20' FROM NEW 12" PIPE ℄
STA. 1491+14 TO 1511+00 LT - 30' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1497+67 TO 1504+67 RT - 45' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1504+67 TO 1506+76 RT - 20' FROM NEW 12" PIPE ℄
STA. 1506+76 TO 1508+76 RT - 70' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1506+76 TO 1511+00 RT - 20' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1490+66 TO 1491+16 RT - 70' FROM NEW 12" PIPE ℄
STA. 1490+06 TO 1490+56 LT - 30' FROM NEW 12" PIPE ℄
STA. 1491+44 TO 1491+94 RT - 20' FROM NEW 12" PIPE ℄
STA. 1491+14 TO 1491+64 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1494+59 TO 1496+24 RT - 20' FROM NEW 12" PIPE ℄
STA. 1494+61 TO 1496+30 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1503+01 TO 1504+67 RT - 45' FROM NEW 12" PIPE ℄
STA. 1502+89 TO 1508+53 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1504+67 TO 1506+76 RT - 20' FROM NEW 12" PIPE ℄
STA. 1506+76 TO 1507+38 RT - 70' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1477+00 TO 1486+22

INSTALL STABILIZED CONSTRUCTION ENTRANCE:
STA. 1490+65 & STA. 1491+23

INSTALL MATTING:
STA. 1491+25 TO 1494+24

INSTALL MATTING:
STA. 1495+09 TO 1495+82
STA. 1496+08 TO 1497+18

INSTALL MATTING:
STA. 1503+89 TO 1507+51

INSTALL MATTING:
STA. 1509+23 TO 1511+00

HORIZONTAL SCALE
100 50 0 100 200 300 feet
VERTICAL SCALE
100 50 0 100 200 300 feet

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE	1E; 2D; 8; W; 2D; W; 8; A
SOIL TYPE	RaB (PAS); RaB; RaD; RaB; Cn; Cn (PAS); RaB (PAS)
LC/LU	PASTURE / AGRICULTURAL; PAVED / TRAVEL; PASTURE / AGRICULTURAL
STREAMS	STREAM 2012-DITCH-PW-26 (D) - STATION 1503+45 TO 1503+61
WETLANDS	MATCH LINE; WETLAND 2012-PW-66 - STATION 1495+09 TO 1495+82 CLASS III; WETLAND 2012-PW-64 - STATION 1503+39 TO 1508+03 CLASS II; MATCH LINE
VERNAL POOLS	
SIGNIFICANT NATURAL COMMUNITIES	
RTE SPECIES	
NRC WILDLIFE HABITAT	
ARCHAEOLOGY SITES	VT-AD-29 LOCUS 2; VT-AD-1560; VT-AD-1561; VT-AD-1562

VHB Vanasse Hangen Brustlin, Inc.

ANGP-T-C-059	ALIGNMENT SHEET	1	GJM	BCK	IFC 2016 EDITS (05/2016)
DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION

	BID		CONSTRUCTION	
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016
	INITIALS	DATE	INITIALS	DATE

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-059 | REV. 1

Vermont Gas

CHA
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South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

RIGHT-OF-WAY

MATCHLINE

176
N/F
HUZIENGA, CHARLES;
HUZIENGA, RAYMOND

181
N/F
HURLBURT, HERRICK & CHARLOTTE

MATCH LINE

SURVEY DATA

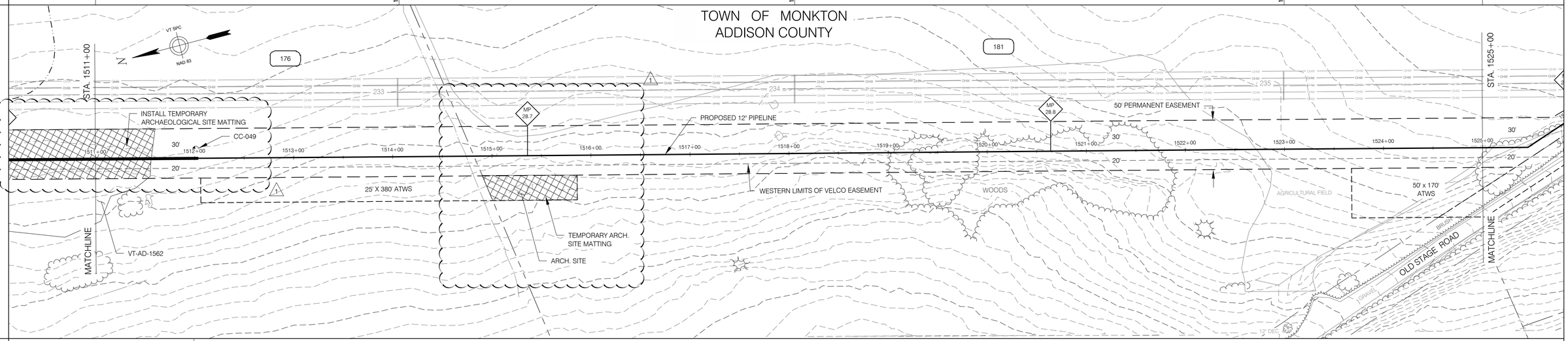
S 14° 23' W | 00°03' LT | 1514+07

S 14° 20' W | 00°01' LT | 1518+06

S 14° 18' W | 00°03' RT | 1523+00

S 14° 22' W

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1511+00 TO 1512+06 RT - 20' FROM NEW 12" PIPE ℄
STA. 1511+00 TO 1525+00 LT - 30' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1512+06 TO 1515+86 RT - 45' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1515+86 TO 1523+68 RT - 20' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1523+68 TO 1524+60 RT - 70' FROM NEW 12" PIPE ℄
STA. 1524+60 TO 1525+00 RT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1511+00 TO 1511+58

INSTALL MATTING:
STA. 1514+87 TO 1515+87
(IN ATWS)

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

HORIZONTAL SCALE
50 25 0 50 100 150 feet
VERTICAL SCALE
50 25 0 50 100 150 feet

CONST. TYPE	A	8	A	1	2D	
SOIL TYPE	RaB	RaB (PAS)	BeB (PAS)	BeB (PAS)	Rk	RaB (PAS) / Cn (PAS) / ArnC (PAS)
LC/LU	PASTURE / AGRICULTURAL					
STREAMS						
WETLANDS						
VERNAL POOLS						
SIGNIFICANT NATURAL COMMUNITIES						
RTE SPECIES						
NRC WILDLIFE HABITAT						
ARCHAEOLOGY SITES	VT-AD-1562		ARCH. SITE	1		

MATCH LINE

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP-T-C-060	ALIGNMENT SHEET	1	GJM	BCK	IFC 2016 EDITS (05/2016)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

YEAR: 2016 | W.O. | SCALE: 1" = 50' | DWG. ANGP-EPSC-060 | REV. 1

Vermont Gas

VHB Vanasse Hangen Brustlin, Inc.

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

RIGHT-OF-WAY

MATCHLINE

181
N/F
HURLBURT, HERRICK & CHARLOTTE

182
OLD STAGE ROAD

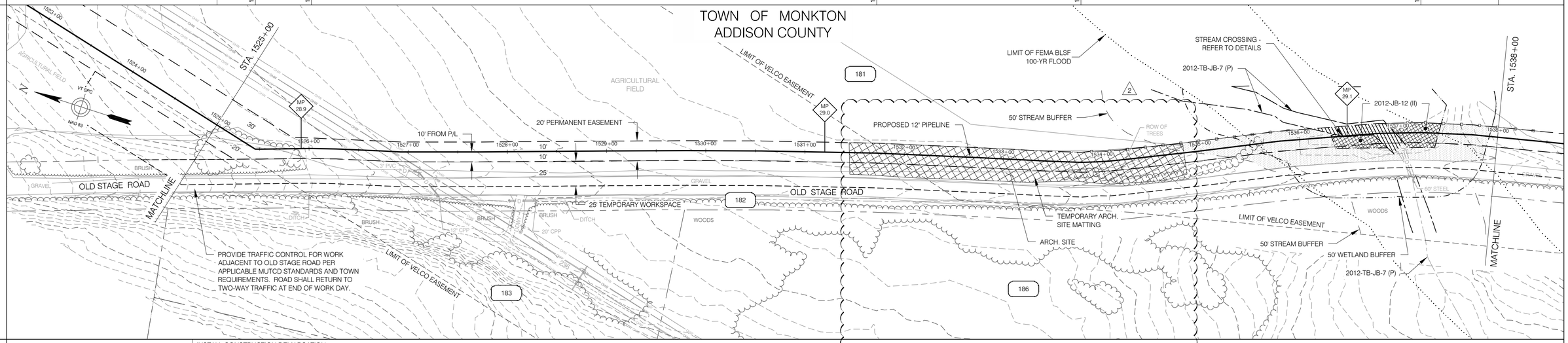
MATCH LINE

SURVEY DATA

PIPE ALIGNMENT PARALLELS ROAD RIGHT-OF-WAY, FOR CLARITY, NOT ALL SURVEY DATA IS SHOWN

S 14° 22' W	32.59' LT	S 18° 36' E	00.44' RT	S 17° 52' E	02.31' RT	S 15° 21' E	09.34' LT	S 24° 55' E	12.00' RT	S 12° 55' E	
1525+46		1526+02			1531+72		1533+78		1537+23		

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1525+00 TO 1525+83 LT - 30' FROM NEW 12" PIPE ℄
STA. 1525+83 TO 1538+00 LT - 10' FROM NEW 12" PIPE ℄
STA. 1525+00 TO 1538+00RT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1533+71 TO 1536+12 LT - 10' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1536+88 TO 1538+00 LT - 10' FROM NEW 12" PIPE ℄

INSTALL MATTING:
1531+45-1534+83

INSTALL MATTING:
STA. 1536+32 TO 1536+44
STA. 1536+97 TO 1537+40

HORIZONTAL SCALE
50 25 0 50 100 150 feet
VERTICAL SCALE
50 25 0 50 100 150 feet

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE	2D	4A	A	2	7	W	4A
SOIL TYPE	AmC (PAS)	CW (PAS)	VgC (PAS)	Cv (PAS)			
LC/LU	FORESTED / AGRICULTURAL	PASTURE / TRAVEL				WATER	PASTURE
STREAMS				STREAM 2012-TB-JB-7 - (P) STATION 1536+10 TO 1537+04			
WETLANDS					WETLAND 2012-JB-12 - STATION 1536+31 TO 1537+42 CLASS II		
VERNAL POOLS							
SIGNIFICANT NATURAL COMMUNITIES							
RTE SPECIES							
NRC WILDLIFE HABITAT							
ARCHAEOLOGY SITES			ARCH. SITE				

MATCH LINE

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
		2	GJM	BCK	IFC 2016 EDITS (05/2016)
ANGP-T-C-061A	ALIGNMENT SHEET	1	VGS	VGS	OLD STAGE ROAD RE-ROUTE (11/13/15)

	INITIALS	BID DATE	INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

YEAR: 2016 | W.O. | SCALE: 1" = 50' | DWG. ANGP-EPSC-061A | REV. 2

Vermont Gas

VHB Vanasse Hangen Brustlin, Inc.

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

RIGHT-OF-WAY

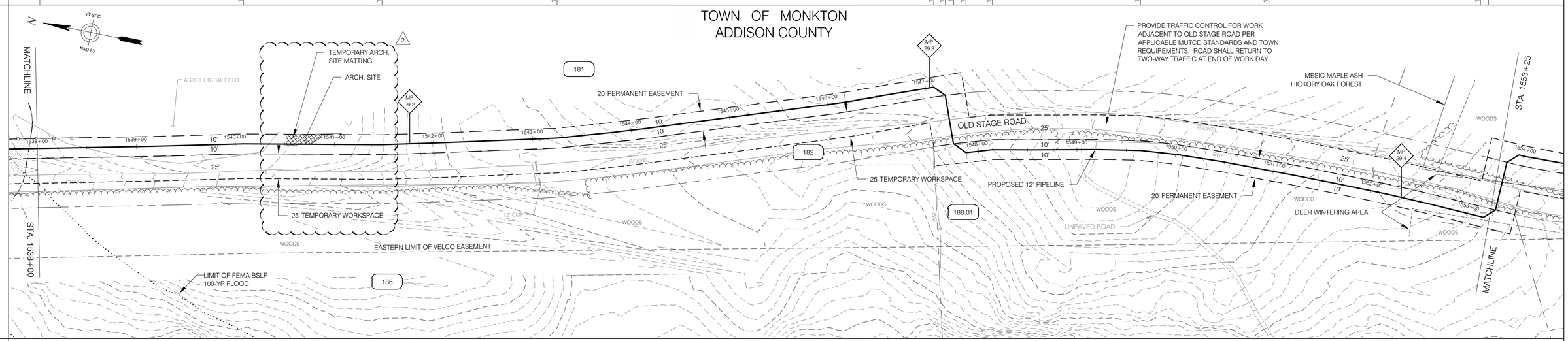
MATCHLINE | 181 N/F HURLBURT, HERRICK & CHARLOTTE | 182 OLD STAGE ROAD | 188.01 N/F VERMONT GAS SYSTEMS, INC. | MATCH LINE

SURVEY DATA

S 12° 55' E	01°56' RT	S 10° 59' E	02°36' LT	S 13° 35' E	05°12' LT	S 18° 47' E	45°00' RT / S 24° 14' W	45°00' RT / S 69° 14' W	45°00' LT / S 24° 14' W	45°00' LT / S 17° 44' E	6°10' RT / S 11° 34' E	09°15' RT / S 02° 19' E	01°35' RT / S 00° 44' E	45°00' LT / S 42° 44' E
	1540+08		1541+48		1543+25		1547+08	1547+23	1547+72	1547+88	1548+15	1549+64	1550+96	1553+17

PIPE ALIGNMENT PARALLELS ROAD RIGHT-OF-WAY, FOR CLARITY, NOT ALL SURVEY DATA IS SHOWN

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1538+00 TO 1547+09 LT - 10' FROM NEW 12" PIPE ℄
STA. 1538+00 TO 1547+00 RT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1538+00 TO 1538+44 LT - 10' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1547+00 TO 1547+88 RT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1547+88 TO 1553+17 RT - 10' FROM NEW 12" PIPE ℄
STA. 1547+09 TO 1548+00 LT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1548+00 TO 1553+25 LT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1553+17 TO 1553+25 RT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL MATTING: 1540+51-1540+95

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

HORIZONTAL SCALE: 50 25 0 50 100 150 feet
VERTICAL SCALE: 50 25 0 50 100 150 feet

CONST. TYPE	A	2	4A	11	4B
SOIL TYPE	Cv (PAS)	VgB (PAS)	VgD		VgB (PAS)
LC/LU	PASTURE / TRAVEL				TRAVEL / FORESTED
STREAMS					
WETLANDS					
VERNAL POOLS					
SIGNIFICANT NATURAL COMMUNITIES					MESIC MAPLE ASH HICKORY OAK FOREST
RTE SPECIES					
NRC WILDLIFE HABITAT					DEER WINTERING AREA
ARCHEOLOGY SITES	ARCH. SITE				

MATCH LINE

VHB Vanasse Hangen Brustlin, Inc.

ANGP-T-C-061B	ALIGNMENT SHEET	2	GJM	BCK	IFC 2016 EDITS (05/2016)	
		1	VGS	VGS	OLD STAGE ROAD RE-ROUTE (11/13/15)	
DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION	

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

YEAR: 2016 | W.O. | SCALE: 1" = 50' | DWG. ANGP-EPSC-061B | REV. 2

Vermont Gas

CHA
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South Burlington, VT 05403
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RIGHT-OF-WAY

MATCHLINE

188.01
N/F
VERMONT GAS SYSTEMS, INC.

181
N/F
HULBURT, HERRICK & CHARLOTTE

182
OLD STAGE ROAD

192
N/F
HERRICK JR; MICHAEL, DAVID & HURLBURT, JOSHUA

MATCH LINE

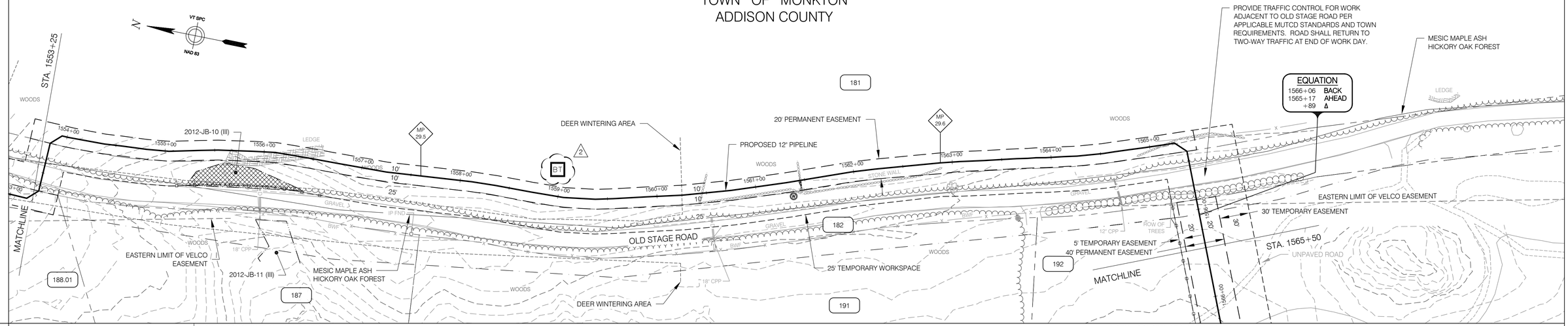
SURVEY DATA

PIPE ALIGNMENT PARALLELS ROAD RIGHT-OF-WAY, FOR CLARITY, NOT ALL SURVEY DATA IS SHOWN

1553+31	S 42° 44' E	45°00' LT	
1553+81	S 67° 44' E	45°00' RT	
1553+95	S 42° 44' E	45°00' RT	
1554+01	S 02° 16' W	00°55' LT	
	S 03° 39' E		
1555+04		00°41' LT	
	S 09° 20' E		
1556+11		04°29' RT	
	S 04° 51' E		
1559+38		14°26' LT	
	S 19° 17' E		
1562+30		04°48' RT	
	S 14° 29' E		
1565+19		07°59' LT	
1565+25	S 22° 28' E	45°00' RT	
1565+40	S 22° 32' W	45°00' RT	
	S 67° 32' W		

ALIGNMENT DETAIL

TOWN OF MONKTON
ADDISON COUNTY



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1553+25 TO 1554+40 RT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1553+40 TO 1565+75 RT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1553+25 TO 1553+95 LT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1553+95 TO 1565+26 LT - 10' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1555+06 TO 1556+81 RT - 35' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1555+20 TO 1556+46

INSTALL CONSTRUCTION DEMARCATION:
STA. 1565+75 TO 1565+50 RT - 25' FROM NEW 12" PIPE ℄
STA. 1565+26 TO 1565+41 LT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1565+41TO 1565+50 LT - 50' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1565+75 TO 1565+50 RT - 25' FROM NEW 12" PIPE ℄

INSTALL STABALIZED CONSTRUCTION ENTRANCE:
STA. 1565+90

HORIZONTAL SCALE
50 25 0 50 100 150 feet
50 25 0 50 100 150 feet
VERTICAL SCALE

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE	11	W	4A	11	1H	
SOIL TYPE	VgB (PAS), VgC (PAS)	VgD	VgC (PAS)	VgB (PAS)	FaC	VgB (PAS)
LC/LU	FORRESTED, TRAVEL			AGRICULTURAL		
STREAMS				STREAM 2013-AS-SC-RS-1 (I) - STATION 1565+26 TO 1565+50		
WETLANDS		WETLAND 2012-JB-10 - STATION 1555+20 TO 1556+46 CLASS III				
VERNAL POOLS						
SIGNIFICANT NATURAL COMMUNITIES						
RTE SPECIES						
NRC WILDLIFE HABITAT	DEER WINTERING AREA					
ARCHAEOLOGY SITES						

MATCH LINE

VHB Vanasse Hangen Brustlin, Inc.

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP-T-C-062	ALIGNMENT SHEET	2	GJM	BCK	IFC 2016 EDITS (05/2016)
		1	VGS	VGS	OLD STAGE ROAD RE-ROUTE (11/13/15)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

Vermont Gas

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

YEAR: 2016 | W.O. | SCALE: 1" = 50' | DWG. ANGP-EPSC-062 | REV. 2

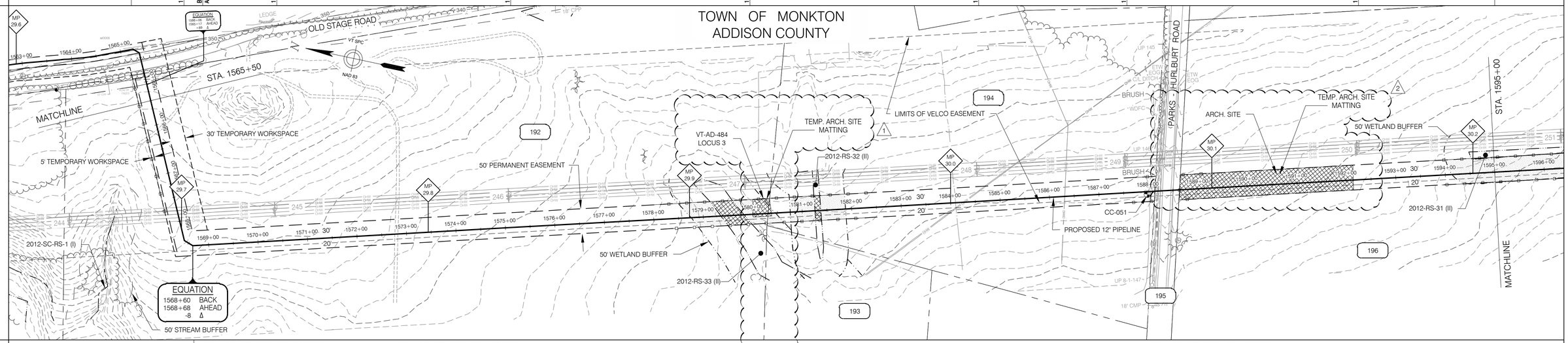
RIGHT-OF-WAY

MATCHLINE | 192 N/F HURLBURT, HERRICK & CHARLOTTE | 194 N/F GRACE, LAWRENCE JR. & SANDRA L. | 195 PARKS - HURLBURT ROAD | 196 N/F HURLBURT, HERRICK & CHARLOTTE | MATCH LINE

SURVEY DATA

S 67° 32' W | 45'00" LT | 1568+40
S 22° 32' W | -8.2 ft. | Bsc. 1568+60 Abc. 1568+68 34'40" LT
S 12° 09' E | 00'01" LT | 1570+39
S 12° 10' E | 00'07" RT | 1575+12
S 12° 03' E | 00'05" LT | 1579+95
S 12° 08' E | 00'04" LT | 1584+58
S 12° 13' E | 00'03" RT | 1587+58
S 12° 09' E | 00'03" RT | 1592+26
S 12° 06' E

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1565+50 TO 1568+40 RT - 25' FROM NEW 12" PIPE ℄
STA. 1565+50 TO 1568+30 LT - 50' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1565+50 TO 1566+00 RT - 25' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1568+40 TO 1568+68 RT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1568+30 TO 1568+99 LT - WIDTH VARIES FROM NEW 12" PIPE ℄
STA. 1568+68 TO 1588+11 RT - 20' FROM NEW 12" PIPE ℄
STA. 1568+99 TO 1588+16 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1578+39 TO 1582+38 RT - 20' FROM NEW 12" PIPE ℄
STA. 1578+01 TO 1582+37 LT - 30' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1579+15 TO 1579+97

INSTALL MATTING:
STA. 1580+00 TO 1580+37 (1)

INSTALL MATTING:
STA. 1581+26 TO 1581+37

INSTALL STABILIZED CONSTRUCTION ENTRANCE:
STA. 1588+15 TO 1588+65

INSTALL CONSTRUCTION DEMARCATION:
STA. 1588+61 TO 1595+00 RT - 20' FROM NEW 12" PIPE ℄
STA. 1588+66 TO 1595+00 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1587+61 TO 1588+11 RT - 20' FROM NEW 12" PIPE ℄
STA. 1587+66 TO 1588+16 LT - 30' FROM NEW 12" PIPE ℄
STA. 1588+61 TO 1589+11 RT - 20' FROM NEW 12" PIPE ℄
STA. 1588+66 TO 1589+16 LT - 30' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1588+63 TO 1592+12 (2)

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1593+92 TO 1595+00 RT - 20' FROM NEW 12" PIPE ℄
STA. 1593+52 TO 1595+00 LT - 30' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1594+54 TO 1595+00

HORIZONTAL SCALE: 100 50 0 100 200 300 feet
VERTICAL SCALE: 100 50 0 100 200 300 feet

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE	1H	2D	W	A (1)	W	11	A (2)	2D			
SOIL TYPE	VgB (PAS)	VgC (PAS)	VgB (PAS)	Lh		Cw (PAS)		VgB (PAS)			
LC/LU	PASTURE			WETLAND	WETLAND	PASTURE	UNPAVED TRAVEL	PASTURE		WETLAND	
	AGRICULTURAL							AGRICULTURAL			
STREAMS											
WETLANDS				WETLAND 2012-RS-33 - STATION 1578+51 TO 1580+62 CLASS II		WETLAND 2012-RS-32 - STATION 1580+76 TO 1581+88 CLASS II				WETLAND 2012-RS-31 - STATION 1594+02 TO 1595+00 CLASS II	
VERNAL POOLS											
SIGNIFICANT NATURAL COMMUNITIES											
RTE SPECIES											
NRC WILDLIFE HABITAT											
ARCHAEOLOGY SITES				VT-AD-484 LOCUS 3 (1)				ARCH. SITE (2)			

MATCH LINE | MATCH LINE

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
		2	GJM	BCK	IFC 2016 EDITS (05/2016)
ANGP-T-C-063	ALIGNMENT SHEET	1	VGS	VGS	ARCH SITE ADDED (11/13/15)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016
DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016
DESIGN MANAGER	SAB	06/28/13	JEO	05/2016

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-063 | REV. 2

Vermont Gas

VHB Vanasse Hangen Brustlin, Inc.

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South Burlington, VT 05403
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RIGHT-OF-WAY

MATCHLINE

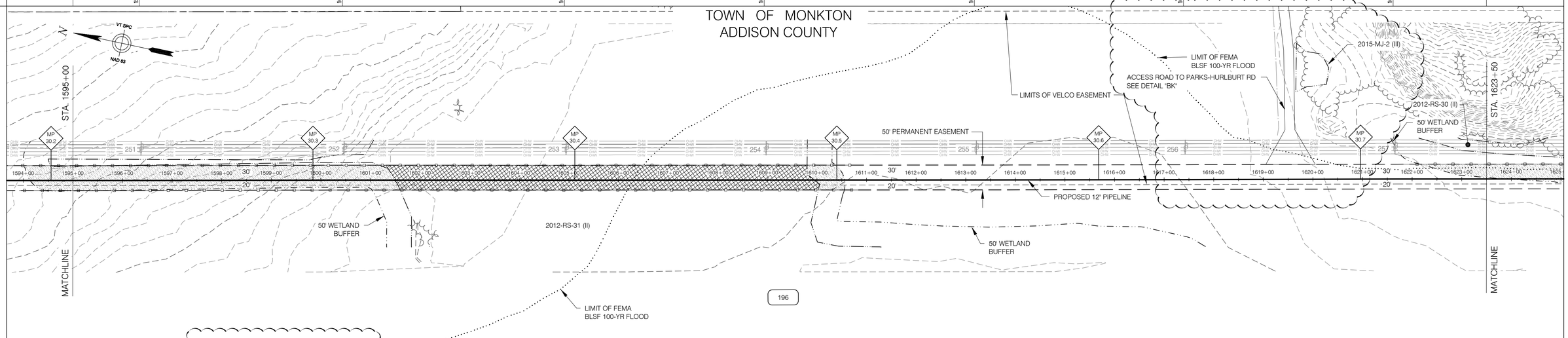
196
N/F
HURLBURT, HERRICK & CHARLOTTE

MATCH LINE

SURVEY DATA

S 12° 06' E | 00°06' LT | 1596+39
S 12° 12' E | 00°08' RT | 1600+48
S 12° 04' E | 00°03' LT | 1604+96
S 12° 08' E | 00°01' RT | 1608+99
S 12° 06' E | 00°05' LT | 1613+22
S 12° 12' E | 00°01' LT | 1617+44
S 12° 14' E | 00°05' RT | 1621+67
S 12° 08' E

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1595+00 TO 1623+50 RT - 20' FROM NEW 12" PIPE ℄
STA. 1595+00 TO 1619+03 LT - 30' FROM NEW 12" PIPE ℄
STA. 1620+03 TO 1623+50 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1595+00 TO 1611+05 RT - 20' FROM NEW 12" PIPE ℄
STA. 1595+00 TO 1610+88 LT - 30' FROM NEW 12" PIPE ℄

INSTALL MATTING:
STA. 1601+18 TO 1610+07

CONSTRUCTION ENTRANCE:
STA. 1619+50

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1621+67 TO 1623+50 LT - 30' FROM NEW 12" PIPE ℄

HORIZONTAL SCALE
100 50 0 100 200 300 feet
100 50 0 100 200 300 feet
VERTICAL SCALE

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

CONST. TYPE		W		2D			
SOIL TYPE	VgB (PAS)	Cw (PAS)	VgC (PAS)	Cw (PAS)	Lh		AmB (PAS)
LC/LU	WETLAND				PASTURE		WETLAND
	AGRICULTURAL						
STREAMS							
WETLANDS	WETLAND 2012-RS-31 - STATION 1595+00 TO 1610+57 CLASS II					WETLAND 2012-RS-30 - STATION 1622-16 TO 1623+50 CLASS II	
VERNAL POOLS							
SIGNIFICANT NATURAL COMMUNITIES							
RTE SPECIES							
NRC WILDLIFE HABITAT							
ARCHAEOLOGY SITES							

MATCH LINE

VHB Vanasse Hangen Brustlin, Inc.

							BID		CONSTRUCTION		
						ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016	
						DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016	
						DRAFTING SUPERVISOR	BZD	06/28/13	BCK	05/2016	
						DESIGN ENGINEER	MDF	06/28/13	GEW	05/2016	
ANGP-T-C-064	ALIGNMENT SHEET	1	VGS	VGS	ACCESS ROAD "BK" ADDED (11/13/15)	DESIGN MANAGER	SAB	06/28/13	JEO	05/2016	
DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION		INITIALS	DATE	INITIALS	DATE	

VERMONT GAS
PROPOSED 12" PIPELINE
ADDISON NATURAL GAS PROJECT
EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

Vermont Gas

CHA
38 Eastwood Drive, Suite 105
South Burlington, VT 05403
Main: (802) 735-0372 · www.chacompanies.com

YEAR: 2016 | W.O. | SCALE: 1" = 100' | DWG. ANGP-EPSC-064 | REV. 1

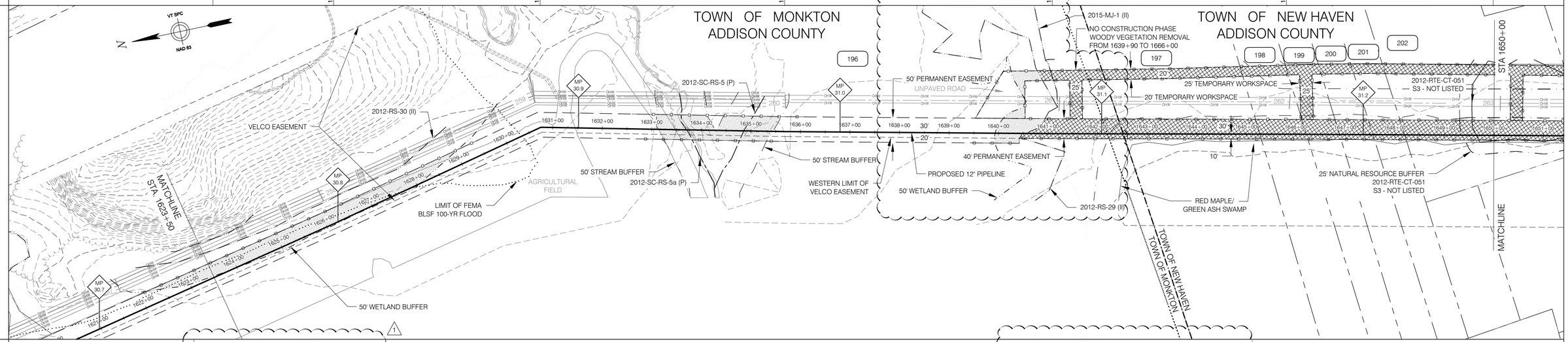
RIGHT-OF-WAY

MATCHLINE | 196 N/F HURLBERT, HERRICK; & CHARLOTTE | TOWN OF MONKTON / TOWN OF NEW HAVEN | 197 N/F MERRITT, MARGARET | 198 N/F MERRITT, MARGARET | 199 N/F MERRITT, MARGARET | 200 N/F MERRITT, MARGARET | 201 N/F MERRITT, MARGARET | 202 N/F EVEREST, DOUGLAS A. | MATCH LINE

SURVEY DATA

S 12° 08' E | 00°69' LT | 1626+16
S 12° 57' E | 26°00' RT | 1630+76
S 13° 03' W | 00°34' LT | 1635+69
S 12° 29' W | 00°17' LT | 1641+10
S 12° 12' W | 00°08' RT | 1645+82
S 12° 21' W

ALIGNMENT DETAIL



EROSION PREVENTION & SEDIMENT CONTROL

LEGEND

- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- CENTERLINE OF STREAM
- TEMPORARY STREAM CROSSING
- WETLAND
- 50' WETLAND BUFFER
- TEMPORARY WETLAND MATTING
- WETLAND BUFFER WITHIN PROJECT AREA
- REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROL

INSTALL CONSTRUCTION DEMARCATION:
STA. 1623+50 TO 1640+42 RT - 20' FROM NEW 12" PIPE ℄
STA. 1623+50 TO 1639+52 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1623+50 TO 1629+55 LT - 30' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1632+73 TO 1635+81 RT - 20' FROM NEW 12" PIPE ℄
STA. 1632+59 TO 1636+11 LT - 30' FROM NEW 12" PIPE ℄

INSTALL CONSTRUCTION DEMARCATION:
STA. 1640+42 TO 1650+00 RT - 10' FROM NEW 12" PIPE ℄
STA. 1639+52 TO 1650+00 LT - WIDTH VARIES FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1639+43 TO 1640+42 RT - 20' FROM NEW 12" PIPE ℄

INSTALL REINFORCED PERIMETER CONTROL:
STA. 1640+42 TO 1650+00 RT - 10' FROM NEW 12" PIPE ℄
STA. 1640+51 TO 1641+44 LT - 30' FROM NEW 12" PIPE ℄
STA. 1641+69 TO 1646+10 LT - 30' FROM NEW 12" PIPE ℄
STA. 1646+35 TO 1650+00 LT - 30' FROM NEW 12" PIPE ℄

INSTALL STABALIZED CONSTRUCTION ENTRANCE:
STA. 1640+00

INSTALL MATTING:
STA. 1640+42 TO 1650+00

HORIZONTAL SCALE
100 50 0 100 200 300 feet
VERTICAL SCALE
100 50 0 100 200 300 feet

1. REINFORCED CONSTRUCTION DEMARCATION AND REINFORCED PERIMETER CONTROLS ARE ONLY SHOWN WITHIN 50 FT. OF WATER RESOURCE AREAS AND AT CONSTRUCTION ENTRANCES - SEE "CONSTRUCTION EPSC NOTES" - NOTE #6. CONSTRUCTION DEMARCATION AND PERIMETER CONTROLS ARE NOT TO CROSS ACCESS WAYS OR ACTIVE FLOW PATHS. FOR AREAS THAT ARE > 50 FT. FROM WATER RESOURCE AREAS, CONSTRUCTION DEMARCATION IS TO BE INSTALLED ALONG PERIMETER OF PROJECT AREA / LIMITS OF DISTURBANCE AND PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SOIL EROSION AND/OR SEDIMENT RUNOFF - SEE NOTE #6.
2. FOR AREAS DESIGNATED AS PRIME AGRICULTURAL SOILS (PAS), SEE "CONSTRUCTION WITHIN PRIME AGRICULTURAL SOILS (PAS) AREAS" (ANGP-T-G-011), FOR SOIL SEGREGATION AND ASSOCIATED CONSTRUCTION PROCEDURES.

	MATCH LINE				MATCH LINE
CONST. TYPE		2D	7	2D / W	
SOIL TYPE		Rk; AmB (PAS); Wo (PAS); Cw (PAS); Lk			
LC/LU		PASTURE / AGRICULTURE; FORESTED / POWERLINE			
STREAMS		STREAM 2012-SC-RS-5a (P) - STATION 1633+09 TO 1634+30; STREAM 2012-SC-RS-5 (P) - STATION 1634+30 TO 1635+61			
WETLANDS		WETLAND 2012-RS-30 - STATION 1623+50 TO 1629+05 CLASS II; WETLAND 2012-RS-29 - STATION 1639+92 TO 1650+00 CLASS II			
VERNAL POOLS					
SIGNIFICANT NATURAL COMMUNITIES					
RTE SPECIES		2012-RTE-CT-051			
NRC WILDLIFE HABITAT					
ARCHAEOLOGY SITES					

DWG. NO.	REFERENCE DWG.	REV	DSN	CK	DESCRIPTION
ANGP-T-G-07-010	ACCESS ROAD DETAILS				
ANGP-T-C-065	ALIGNMENT SHEET	1	VGS	VGS	ACCESS ROAD "AL" REMOVED (11/13/15)

	BID INITIALS	BID DATE	CONSTRUCTION INITIALS	CONSTRUCTION DATE
ENVIRONMENTAL	JLS	06/28/13	JLS	05/2016
DRAFTING DESIGNER	GIL	06/28/13	GJM	05/2016
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EPSC PLAN

LOC. ADDISON COUNTY, VERMONT

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VHB Vanasse Hangen Brustlin, Inc.

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