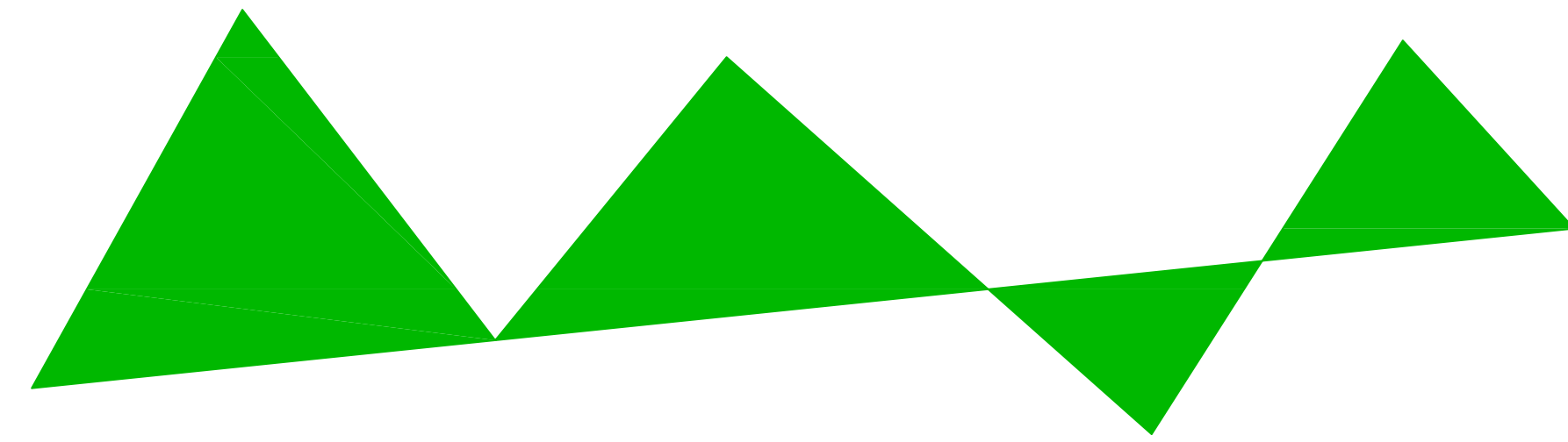


 DENOTES  
 HUB  
 LOCATION



**Vermont Telecommunications Authority**

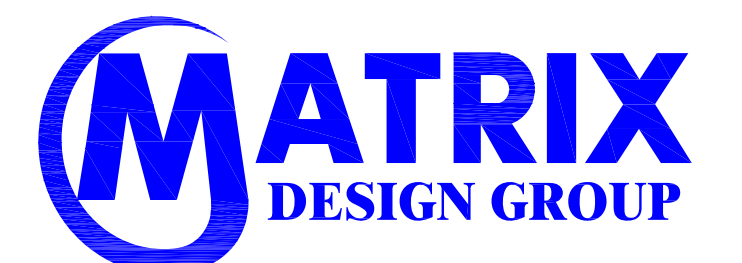
One National Life Drive  
 National Life Records Center Bldg.  
 Montpelier, VT 05620-3205  
 TELEPHONE: (802) 828-1788  
 FAX: (802) 828-1789  
 info@telecomVT.org

**HARDWICK TO NEWPORT  
PROJECT # VTA 2011-124**

**FIBER OPTIC FACILITIES  
NETWORK DESIGN  
(MIDDLE MILE & LAST MILE)**

- HARDWICK**
- CRAFTSBURY**
- ALBANY**
- IRASBURG**
- COVENTRY**
- NEWPORT**

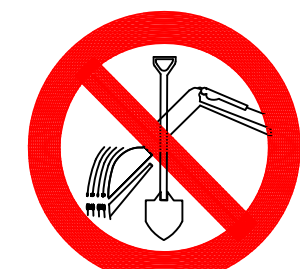
REVISION 1  
 DATE: 01/28/13  
 REVISION 2  
 DATE: 01/29/13



415 WATERMAN ROAD  
 ROYALTON, VT 05001  
 TELEPHONE: (866) 792-9930 FAX: (973) 503-5666  
 PROJECT NO. 505.001.01  
 DATE: 06/01/12

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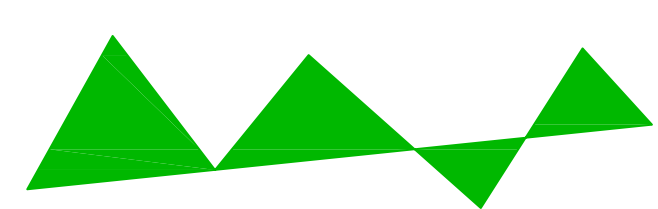
<u>DRAWING TITLE</u>	<u>DRAWING NO.</u>	<u>SHEET NO.</u>
COVER SHEET	CS	SHT 1 OF 95
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HARDWICK HUB INSET MAP ENLARGED	HZ	SHT 72 OF 95
BUTT SPLICE DETAILS	SP-HN001 THRU SP-HN017	SHT 73-89 OF 95
LATERAL SPLICE DETAILS	SP-HN018 THRU SP-HN023	SHT 90-95 OF 95



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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION
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TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)
Strand span distances do not include sag % tolerance.



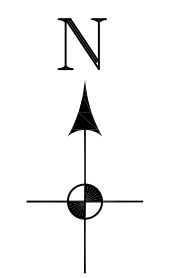
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**415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE: FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO. 505.001.01	DATE: 06/01/12
SCALE: NTS	DRAWN BY: JRF
APPROVED BY: MLZ	



DRAWING NO.  
**G1**

SHEET 2 OF 95

# GENERAL NOTES

## CONTACTS:

COMPANY: VERMONT TELECOMMUNICATIONS AUTHORITY  
 CONTACT: FABIAN BOURGEOIS, PROJECT MANAGER  
 PHONE #: (802) 828-4655  
 EMAIL: fbourgeois@telcomvt.org

COMPANY: MATRIX DESIGN GROUP, INC.  
 CONTACT: MATT ZERANCE  
 PHONE #: 973-929-2531  
 EMAIL: mzerance@matrixdg.com

## GENERAL NOTES:

- ALL WORK TO BE DONE WITH EXTREME CAUTION AROUND FIBER OPTIC CABLE CARRYING TRAFFIC. SIGNIFICANT COST AND PENALTIES TO THE CONTRACTOR WILL RESULT FROM SERVICE INTERRUPTION DUE TO CONTRACTOR'S NEGLIGENCE.
- ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, OR THE RIGHT-OF-WAY GRANTOR AND UTILITY COMPANIES.
- THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING UTILITIES AND THEIR LOCATIONS PRIOR TO THE START OF HIS WORK. UTILITIES SHOWN ON THE PLANS ARE PROVIDED FOR INFORMATION PURPOSES ONLY.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, SUPPORTING, AND PROTECTING ALL EXISTING UTILITIES DURING CONSTRUCTION OF THE PROPOSED FACILITIES.
- MAINTENANCE AND PROTECTION OF TRAFFIC IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE FURNISHED, INSTALLED, AND MAINTAINED IN ACCORDANCE TO THE GOVERNING AGENCY'S TRAFFIC CONTROL DETAILS AND APPLICABLE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.
- ALL WORK IS TO BE COORDINATED THROUGH THE APPOINTED VERMONT TELECOMMUNICATIONS AUTHORITY (VTA) PROJECT MANAGER.
- THE VTA WILL SECURE ALL NECESSARY ATTACHMENT LICENSES PRIOR TO THE INSTALLATION OF FIBER OPTIC CABLES OR RELATED MATERIALS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH AND INSTALL ALL MATERIALS IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING NEC (NFPA 70), NESC, ANS/EIA/TIA 568A, 569A, 606, 607, BICSI, TDMM, OHS A AND ANY OTHERS APPLICABLE FEDERAL, STATE AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.
- ALL PRODUCTS SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE GOVERNING AUTHORITY AND CONFORM TO APPLICABLE STANDARDS OF THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA) AND/OR THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) AND SHALL BE LISTED BY THE UNDERWRITER'S LABORATORY (UL).
- ALL TOOLS AND EQUIPMENT USED BY THE CONTRACTOR SHALL BE IN EXCELLENT WORKING ORDER.
- ACCESS TO UTILITY EASEMENTS LOCATED ON PRIVATE PROPERTY SHALL BE COORDINATED THROUGH THE APPOINTED VTA PROJECT MANAGER.
- THE CONTRACTOR IS RESPONSIBLE TO VERIFY AND WORK WITHIN THE EXISTING ROADWAY RIGHT-OF-WAY AND UTILITY EASEMENTS.
- ALL ISP FIBER OPTIC CABLES ARE TO BE INSTALLED AS PER ARTICLE 770 OF THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL, STATE OR COUNTY CODES HAVING PRECEDENCE. FIRE CLASSIFICATION RATINGS FOR ALL INTERIOR SPACES SHALL BE VERIFIED WITH PROPERTY OWNER OR ITS REPRESENTATIVE PRIOR TO PLACING CABLE. CNMR OR CNMP CABLES ARE TO BE INSTALLED WHERE REQUIRED AS PER THEIR DESIGNATED FIRE RATINGS.
- CONDUIT AND INNERDUCT ROUTING SHALL BE GOVERNED BY THE NATIONAL ELECTRICAL CODE AND ANY LOCAL, STATE OR COUNTY CODES HAVING PRECEDENCE. PROPER DISTANCE SHALL BE MAINTAINED AT ALL TIMES BETWEEN DEVICES.
- FIRE STOPPING SHALL MEET ALL REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. FIRE STOPPING MATERIALS SHALL MEET OR EXCEED FIRE RATING OF ORIGINAL MATERIAL AND SHALL BE INSTALLED AS PER MANUFACTURER'S BEST PRACTICES.

# SYMBOL LIST

	EXISTING	PROPOSED
BUILDING		
CURB		
EDGE OF PAVEMENT		
GUIDERAIL		
FENCE		
RAILROAD		
STREAM/WATER LINE		
GAS LINE		
ELECTRIC LINE		
STORM LINE		
SANITARY LINE		
TELEPHONE LINE		
STEAM MAIN LINE		
CONDUIT		
FIBER LINE IN CONDUIT		
FIBER LINE IN INNERDUCT OR BAREBACK		
UNDERGROUND FIBER LINE		
AERIAL FIBER LINE		
STRAND		
AERIAL SLACK COIL		
SPLICE LOCATION		
POLE GROUND		
POWER DOWN GUY AND ANCHOR		
TELEPHONE DOWN GUY AND ANCHOR		
JOINT DOWN GUY AND ANCHOR		
POLE TO POLE GUY		
DESCENDING POLE TO POLE GUY		
PULLBOX		
SPLICE ENCLOSURE		
HANDHOLE		
ASSISTBOX		
MANHOLE		
ELECTRIC MANHOLE		
SEWER MANHOLE		
SHD MANHOLE		
STORM INLET		
TELEPHONE MANHOLE		
WATER MANHOLE		
WATER VALVE		
FIRE HYDRANT		
UNKNOWN MANHOLE		
LIGHT POLE		
TRAFFIC SIGNAL POLE		
SIGN		
TREE		
RAILROAD CROSSING		
MILE POST MARKER		

### SPLICE POINT DATA BLOCK

### UTILITY POLE SYMBOLS

JOINT POLE	
JOINT POLE WITH TRANSFORMER	
POWER ONLY POLE	
POWER ONLY POLE WITH TRANSFORMER	
TELEPHONE ONLY POLE	
CATV ONLY POLE	
POLE WITH POLE BRACE	

### FTTH SYMBOLS

DISTRIBUTION SPLICE POINT (DSP)	
NETWORK HUB	
FIBER ACCESS POINT (FAP)	



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 1-888-344-7233  
 48 HOURS NOTICE REQUIRED

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POLE COUNT - (THIS SHEET)	

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415 WATERMAN ROAD  
 ROYALTON, VERMONT 05001  
 TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	GENERAL NOTES & SYMBOLS		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO. G2  
 SHEET 3 OF 95

# SCOPE OF WORK

**REEL TESTING:** ALL FIBER REELS FOR THE PROJECT SHALL BE TESTED UPON RECEIPT AT THE PROJECT STAGING SITE PRIOR TO INSTALLATION. OPTICAL FIBER CABLES SHALL BE TESTED WHILE ON THE ORIGINAL REELS WITH AN OPTICAL TIME DOMAIN REFLECTOMETER (OTDR) TO VERIFY THE CABLE LENGTH AND LOCATE CABLE DEFECTS, SPLICES, AND ABNORMALITIES, RECORDING THE LOSS VALUE OF EACH. THE CONTRACTOR SHALL COMPARE ALL PRE-INSTALLATION REEL TEST DATA WITH FACTORY RESULTS PROVIDED BY THE CABLE MANUFACTURER, AND REPORT ANY DEFICIENCIES TO THE VTA PROJECT MANAGER.

**FIBER INSTALLATION:** THE CONTRACTOR SHALL INSTALL NEW FIBER OPTIC CABLE AND ASSOCIATED ITEMS AS INDICATED ON THE CONSTRUCTION DRAWINGS. ALL FIBER OPTIC CABLE TO BE INSTALLED ALONG THE AERIAL POLE LINE SHALL BE OUTSIDE PLANT (OSP) 144-STRAND ALL DIELECTRIC SELF-SUPPORT (ADSS) SINGLEMODE FIBER OPTIC CABLE AND WILL BE INSTALLED ABOVE ALL OTHER EXISTING CABLES IN THE COMMUNICATIONS SPACE. CONTRACTOR IS RESPONSIBLE TO INSTALL ALL NECESSARY POLE HARDWARE SUITABLE FOR THE PROVIDED CABLE. ALL FIBER OPTIC CABLE SHALL BE INSTALLED AS PER MANUFACTURER'S BEST PRACTICES AND TENSIONED AS PER MANUFACTURER'S SPECIFICATIONS. PLEASE REFERENCE URL BELOW; - "CORNING ADSS FIBER INSTALLATION SRP 005-038". HIGH VISIBILITY CABLE TAGS SHALL BE INSTALLED AT EACH POLE, SLACK COIL, AND SPLICE LOCATION ALONG THE PROJECT ROUTE.

[http://catalog2.corning.com/CorningCableSystems/media/Resource\\_Documents/SRPs\\_rl/005-038.pdf](http://catalog2.corning.com/CorningCableSystems/media/Resource_Documents/SRPs_rl/005-038.pdf)

**STRAND INSTALLATION:** MULTIPLE SEGMENTS ALONG THE PROJECT ROUTE HAVE SPANS THAT EXCEED THE ACCEPTABLE LENGTH FOR THE ADSS CABLE PROVIDED. THE CONTRACTOR SHALL INSTALL ¼" EHS SUPPORT STRAND AND HARDWARE AS NECESSARY TO SUPPORT THE ADSS CABLE IN THESE SPANS THAT HAVE BEEN IDENTIFIED IN THE CONSTRUCTION PLANS. THE ADSS CABLE SHALL BE DOUBLE LASHED TO THE INSTALLED SUPPORT STRAND.

**SLACK INSTALLATION AND RELOCATION:** CONTRACTOR SHALL INSTALL SLACK CABLE IN LOCATIONS AND QUANTITIES AS INDICATED ON THE DESIGN PLANS. SLACK CABLE SHALL BE SECURED USING PROVIDED SLACK STORAGE BRACKETS. SLACK LOCATIONS IDENTIFIED AS FUTURE FTTH FIBER ACCESS POINT (FAP) LOCATIONS SHALL BE RELOCATED IN FUTURE PHASES OF THIS PROJECT. ALL SLACK RELOCATION SHALL BE COORDINATED WITH THE VTA PROJECT MANAGER.

**SPLICING:** ALL REQUIRED SPLICING SHALL BE COMPLETED BY THE ARC FUSION SPLICING METHOD. ALL SPLICES ARE TO BE ORGANIZED AND SECURED WITHIN THE PROVIDED FIBER OPTIC SPLICING CLOSURE IN LOCATIONS IDENTIFIED IN THE CONSTRUCTION PLANS. ALL SPLICING SHALL BE COMPLETED AS PER SPLICING DETAILS PROVIDED FOR EACH IDENTIFIED SPLICING LOCATION. ALL SPLICING SHALL BE MONITORED AND TESTED TO ENSURE ACCEPTABLE SPLICING LOSS VALUES ARE ACHIEVED. ALL SPLICING EQUIPMENT SHALL BE CALIBRATED WITHIN 6-MONTHS OF USE ON THIS PROJECT.

**NETWORK TESTING:** ALL COMPLETED FIBER SPANS SHALL BE ACCEPTANCE TESTED TO DETERMINE CABLE LENGTH AND SPLICE ATTENUATION USING AN OTDR. EACH STRAND SHALL BE TESTED BI-DIRECTIONALLY @ 1310NM AND 1550NM. EACH STRAND SHALL BE TESTED FOR END TO END DB LOSS AND CONTINUITY USING A SINGLEMODE LIGHT SOURCE AND POWER METER @ 1310NM AND 1550NM. THE CONTRACTOR SHALL CORRECT ANY FIBER STRANDS THAT DEMONSTRATE EXCESSIVE ATTENUATION DUE TO BREAKS, BENDS, BAD SPLICES, DEFECTIVE CONNECTORS AND BAD INSTALLATION PRACTICES. ALL TESTING EQUIPMENT SHALL BE CALIBRATED WITHIN 6-MONTHS OF USE ON THIS PROJECT.

**STAGING AREA:** THE STAGING AREA FOR THIS PROJECT WILL BE AN OPERATIONAL WORKING GARAGE FOR THE VERMONT AGENCY OF TRANSPORTATION (AOT), LOCATED ON VT-14 IN IRASBURG. TRUCKS AND HEAVY EQUIPMENT ARE IN USE. CARE SHOULD BE TAKEN NOT TO INTERFERE WITH AOT'S DAILY OPERATION. AN AREA HAS BEEN DESIGNATED ON THE NORTH SIDE OF THE COMPOUND FOR STORAGE OF FIBER REELS AND PROJECT RELATED MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THIS AREA FOR THE DURATION OF THE PROJECT. THE CONTRACTOR WILL BE ISSUED A KEY AND WILL BE RESPONSIBLE FOR SECURING THE GATE AT THE END OF EACH DAY.

**MATERIALS:** ALL MATERIALS SHALL BE AS SPECIFIED IN THE ATTACHED BILL OF MATERIALS (BOM). THE VERMONT TELECOMMUNICATIONS AUTHORITY (VTA) SHALL PROVIDE ALL PROJECT RELATED MATERIALS INCLUSIVE OF ADSS CABLE, SLACK STORAGE BRACKETS, ADSS POLE HARDWARE, SUPPORT STRAND, LASHING WIRE, AERIAL SPLICE CLOSURES, SPLICE TRAYS AND CABLE TAGS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY CONSUMABLES NOT IDENTIFIED IN THE BOM THAT ARE REQUIRED FOR A COMPLETE INSTALLATION. THESE INCLUDE BUT ARE NOT LIMITED TO CABLE LUBRICANT, TAPE, CABLE STRAPS, PREP SOLVENT AND WIPES, MISCELLANEOUS SPLICING CONSUMABLES, AND LABELS.

**SAFETY:** ALL CONTRACTOR PERSONNEL SHALL BE THOROUGHLY FAMILIAR WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) REGULATIONS, THE NATIONAL ELECTRIC SAFETY CODE (NEC), STATE AND LOCAL REGULATIONS, AND VTA SAFETY PRACTICES AND POLICIES. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC FOR THE DURATION OF THE PROJECT. ADEQUATE SIGNS AND SAFETY CONES SHALL BE DEPLOYED PRIOR TO DAILY WORK EFFORTS AND REMOVED AT THE END OF EACH DAY UNLESS SITE CONDITIONS WARRANT OTHERWISE.

**PROJECT QUANTITIES:** THE CONTRACTOR SHALL VERIFY ALL FOOTAGES AND QUANTITIES PRIOR TO STARTING WORK ON THIS PHASE OF THE PROJECT. INFORMATION REPRESENTED ON THE DESIGN PLANS IS ACCURATE AS PER THE DATE OF INITIAL FIELD SURVEY. THE FOLLOWING QUANTITIES ARE ANTICIPATED FOR THE PROJECT:

- (17) 144F ADSS CABLE REELS ( 16,000 LF EACH )
- (17) 144F REEL-END BUTT SPLICE LOCATIONS ( #SP-HN001 THROUGH #SP-HN017 )
- (6) MID-SPAN ENTRY SPLICE LOCATIONS ( #SP-HN018 THROUGH #SP-HN023 )
- (212) SLACK LOCATIONS ( DOES NOT INCLUDE SPLICE LOCATIONS )
- (2) BRIDGE CABLE INSTALLATION ( NORTHERN ENTERPRISE FIBER CONNECTION )



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REV	DESCRIPTION	BY	APVD	DATE
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REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
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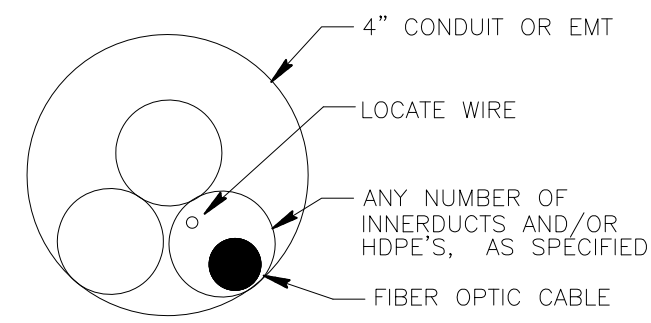
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	SCOPE OF WORK	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	NTS	DRAWN BY: JRF
		APPROVED BY: MLZ

DRAWING NO.  
G3  
SHEET 4 OF 95

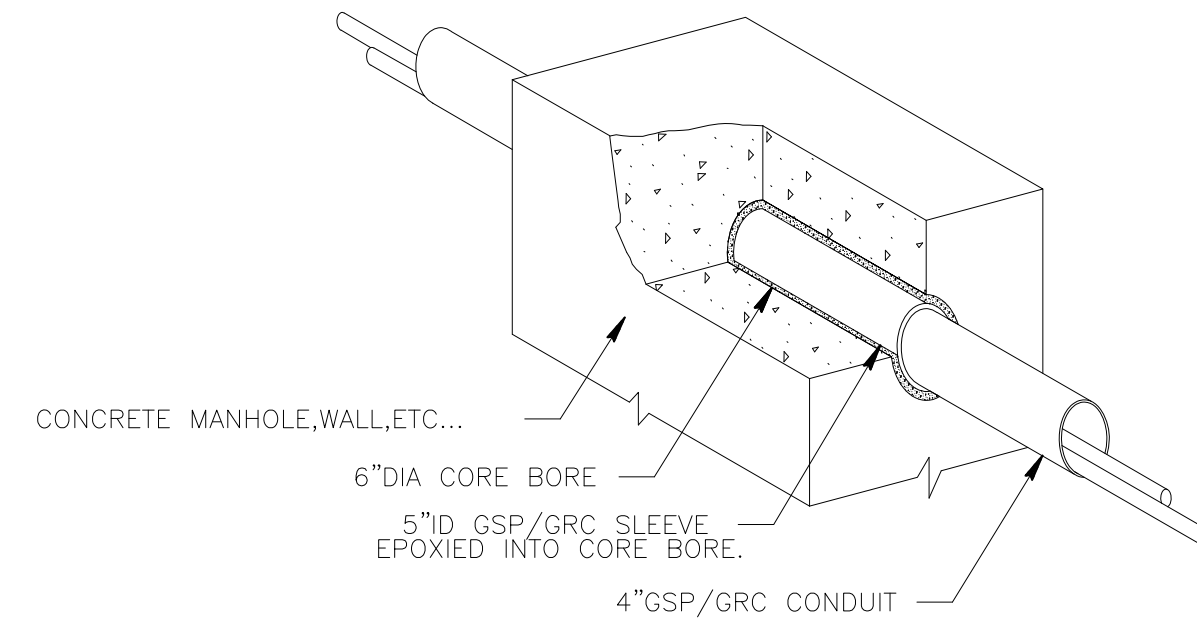
# ISP TYPICALS

TYPICAL DETAIL "A"  
CROSS SECTION OF 4" CONDUIT

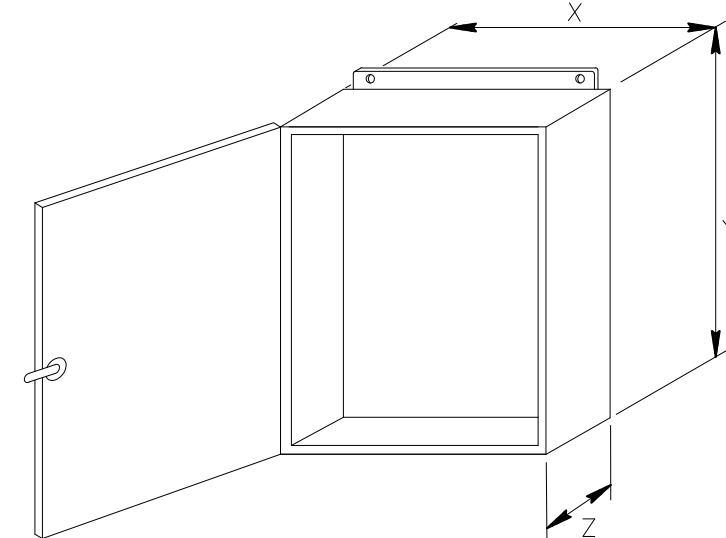


TYPICAL DETAIL "B"  
CORE BORE

NOTE:  
EPOXY GROUT IS USED AT BOTH ENDS OF  
CORE BORE TO SEAL SLEEVE AND PIPE.

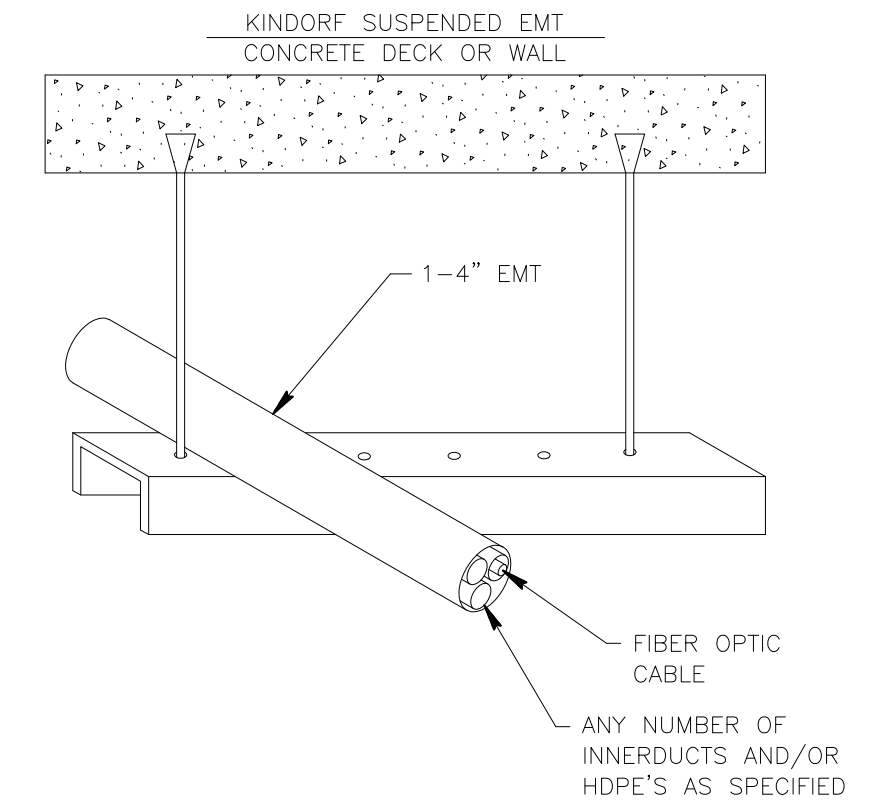
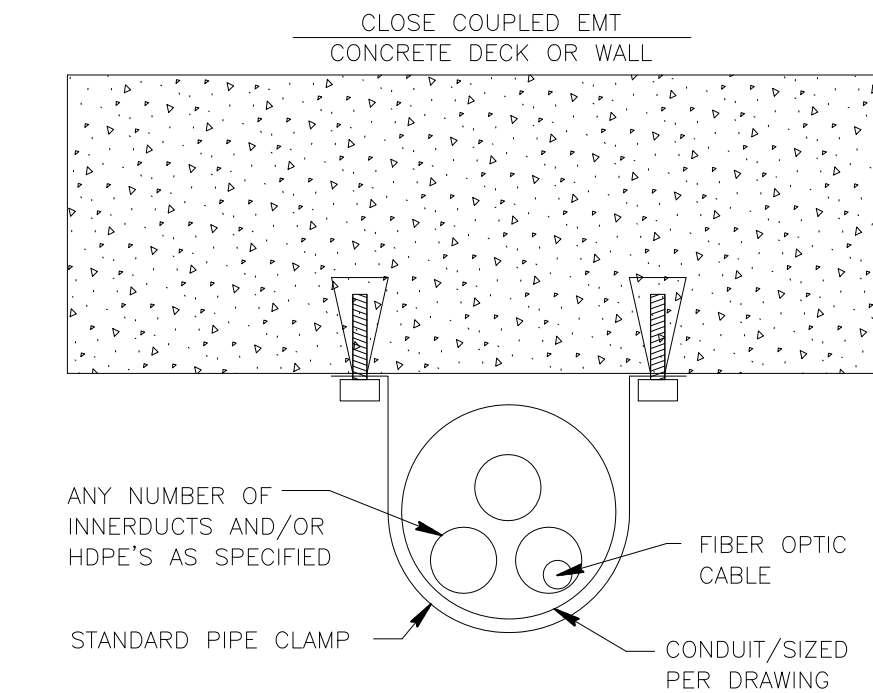
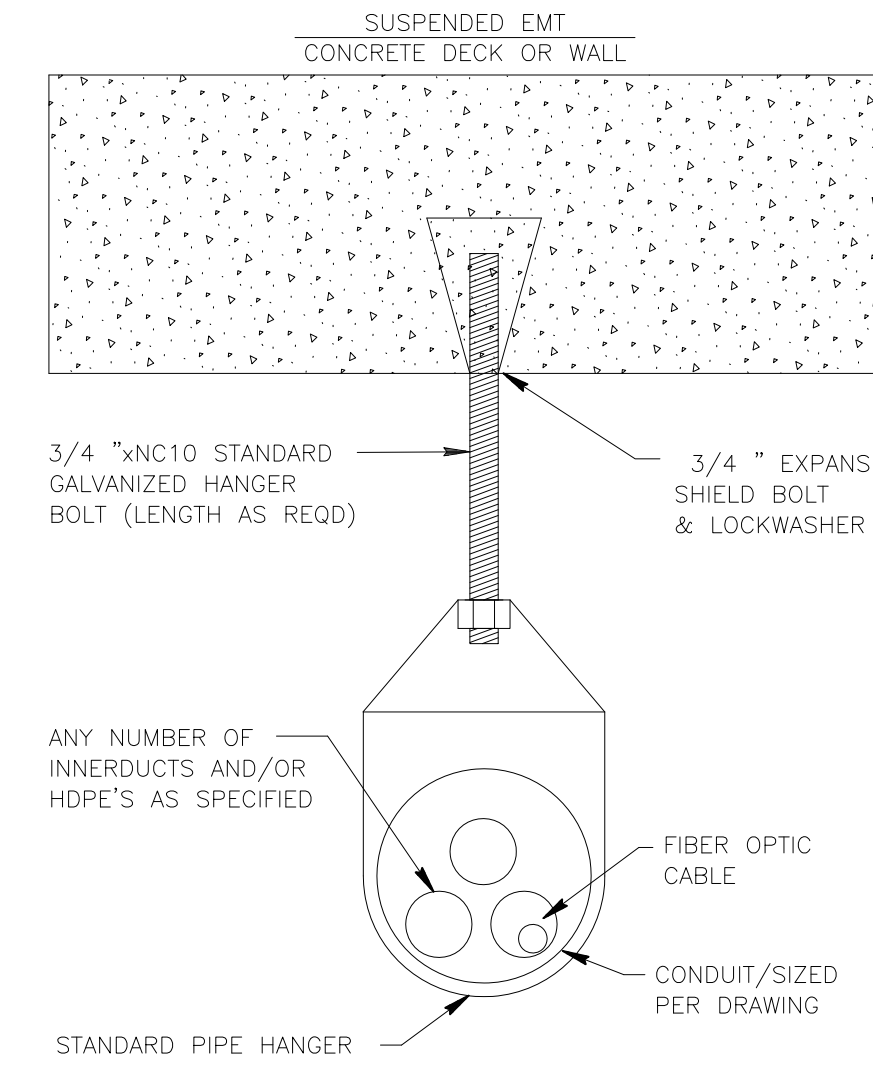


TYPICAL DETAIL "C"  
TYPICAL SINGLE DOOR  
HOFFMAN LOCKING PULL BOX

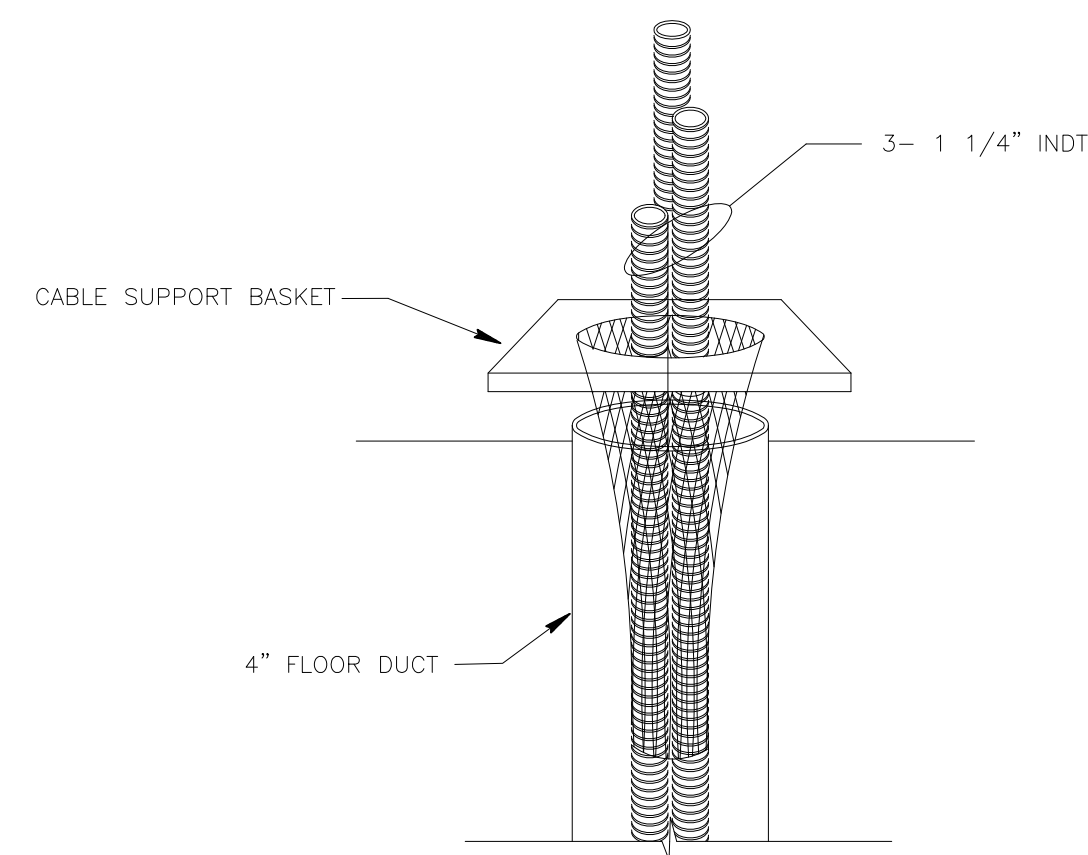


PULL BOX TYPE	X"	Y"	Z"
DISTRIBUTION	24"	24"	8"
CABLE STORAGE	36"	36"	12"

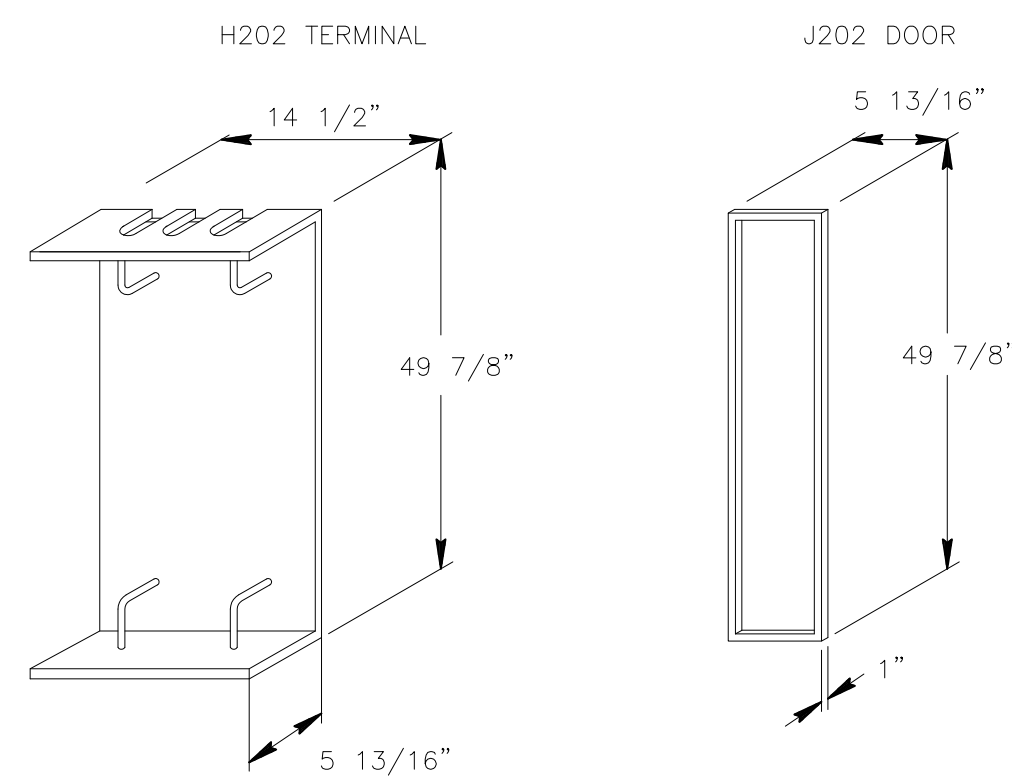
TYPICAL DETAIL "D"



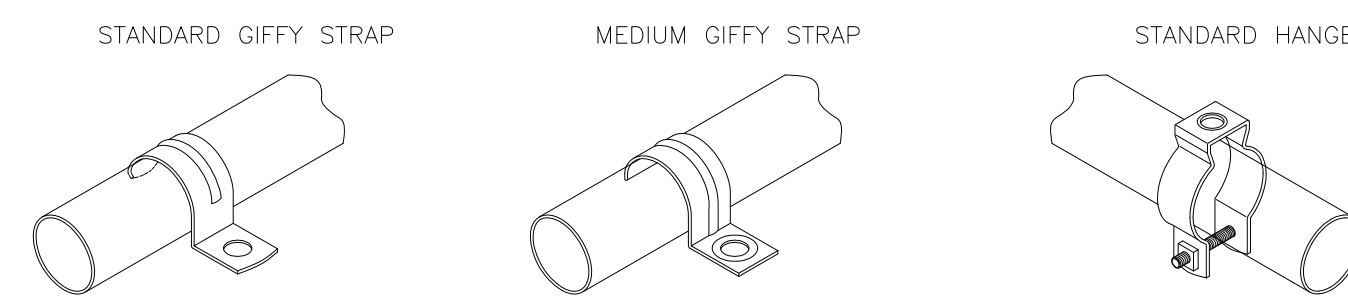
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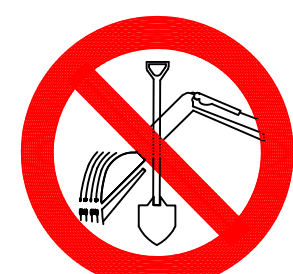
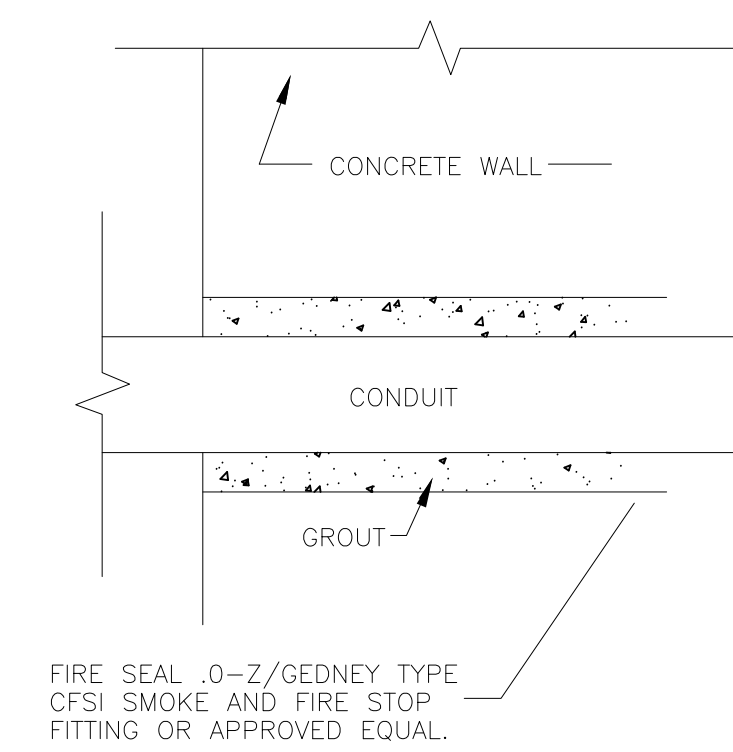
TYPICAL DETAIL "F"



TYPICAL DETAIL "G"  
2" EMT



TYPICAL DETAIL "H"  
FIRE WALL PENETRATION



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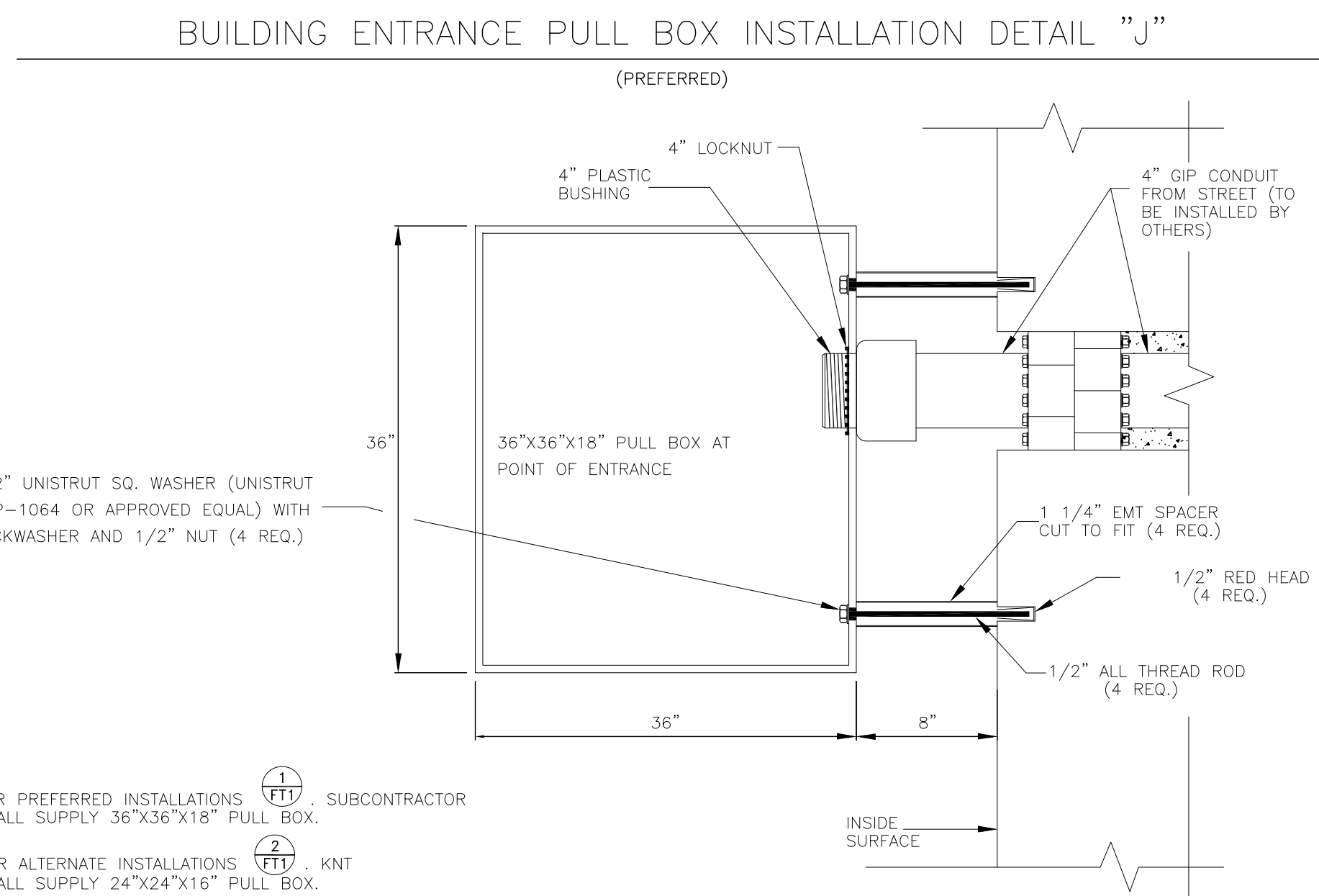
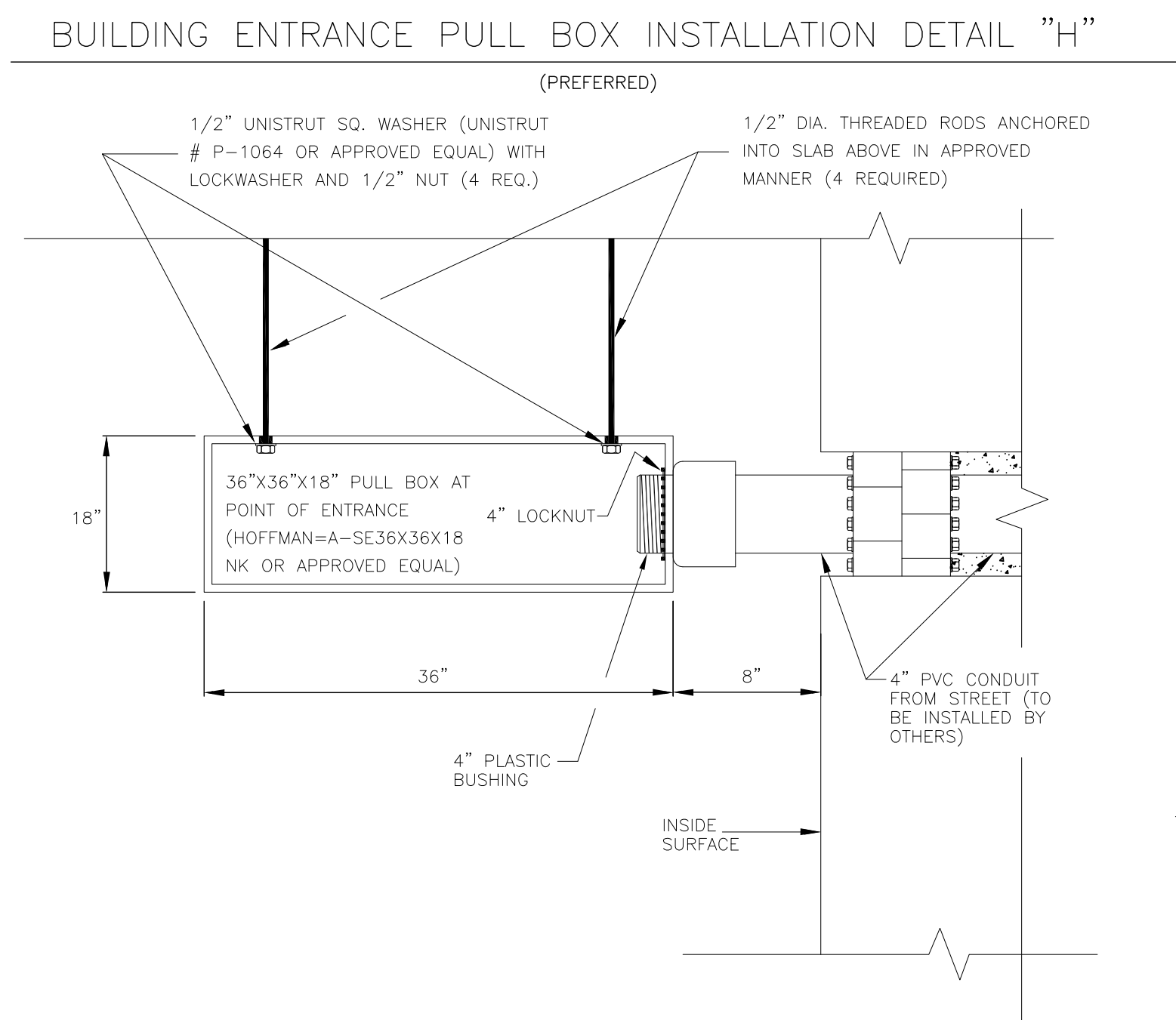
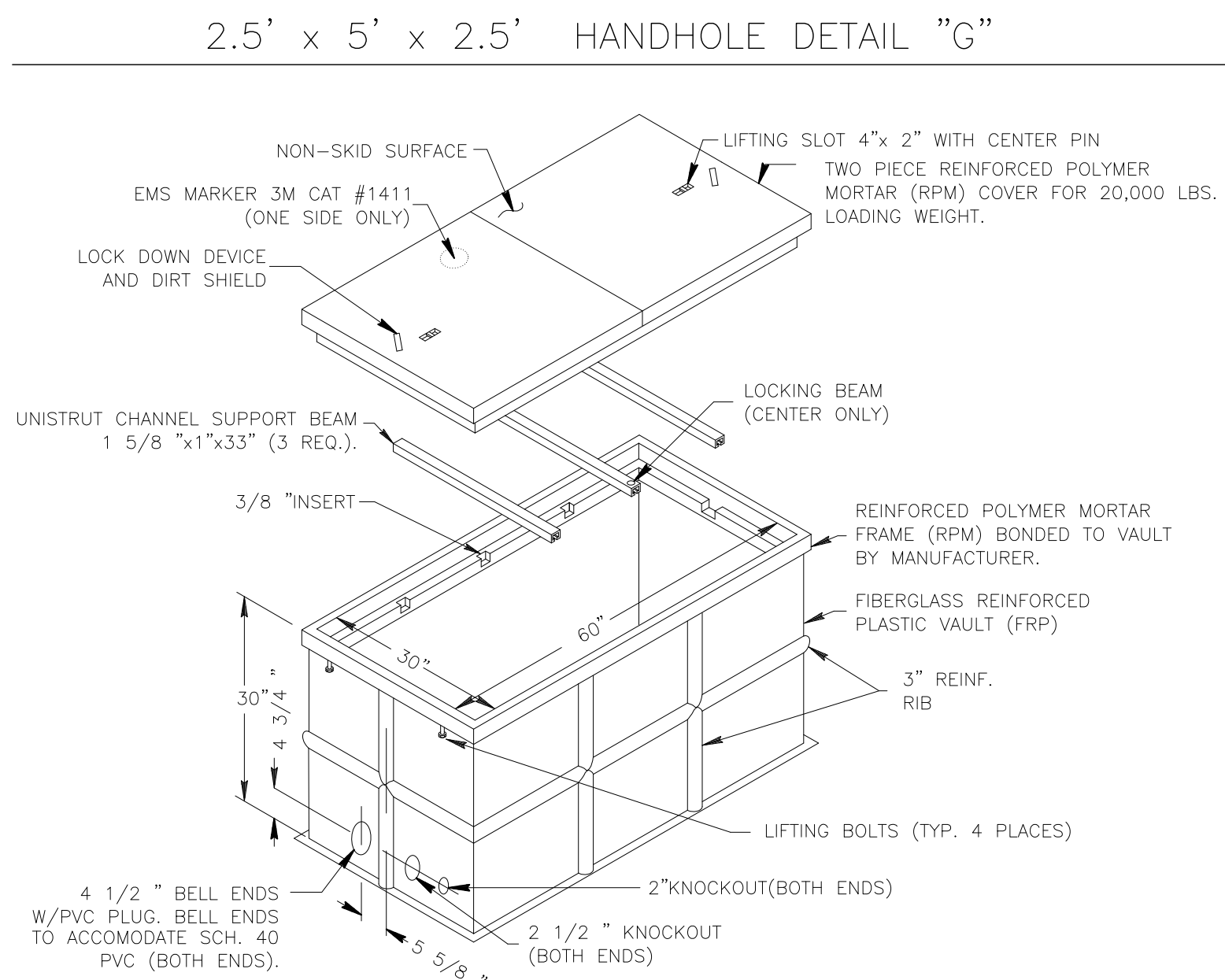
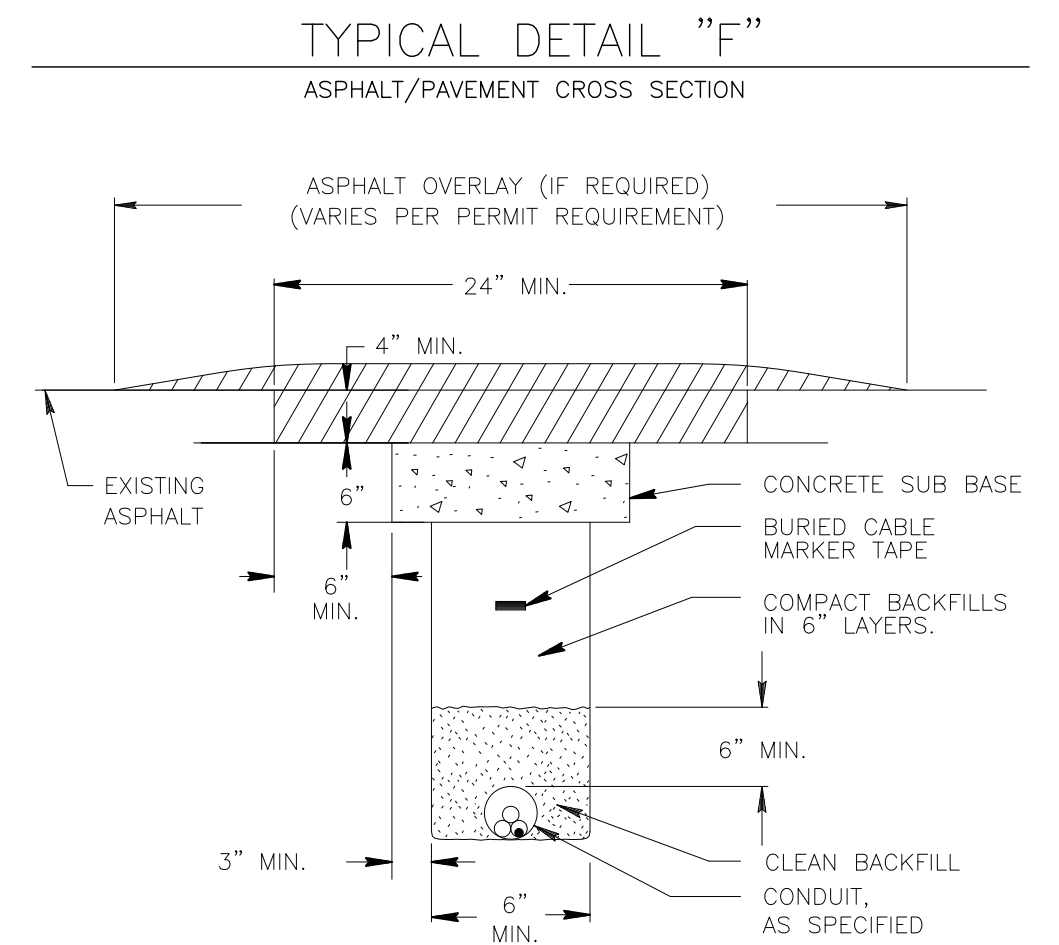
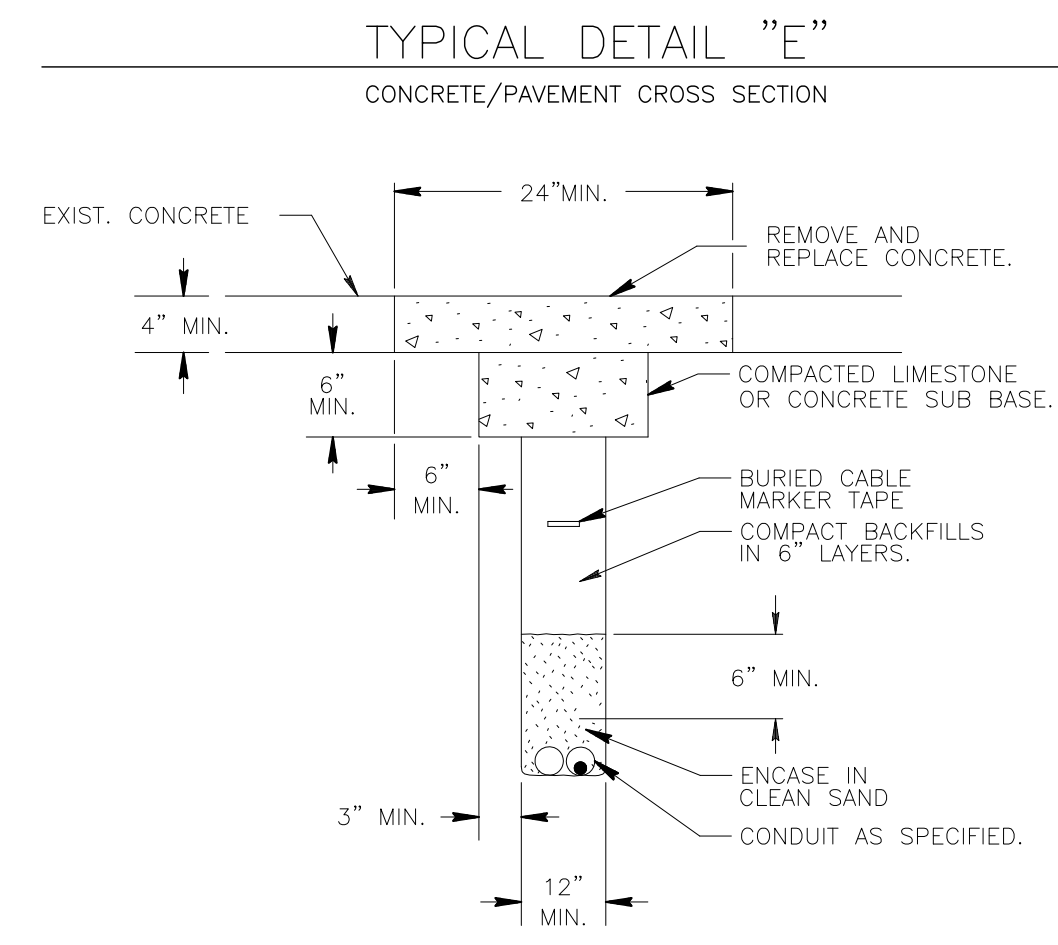
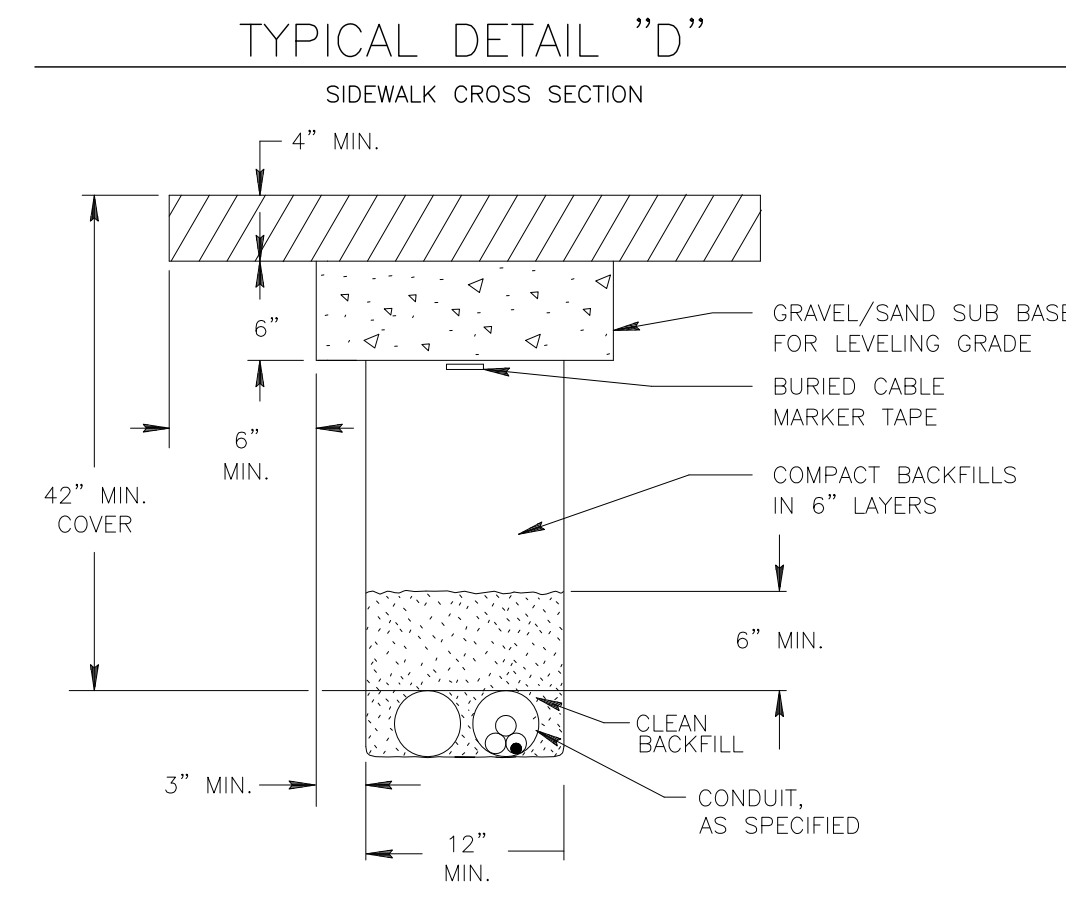
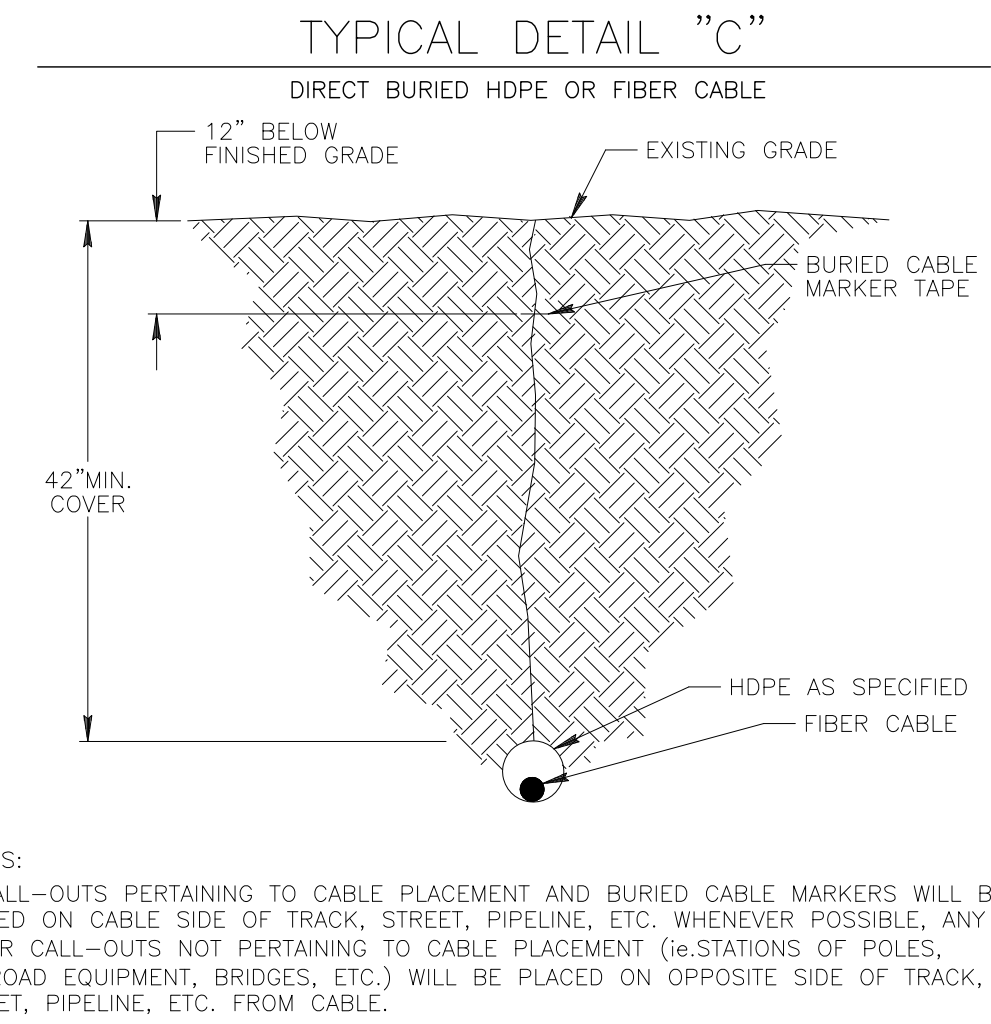
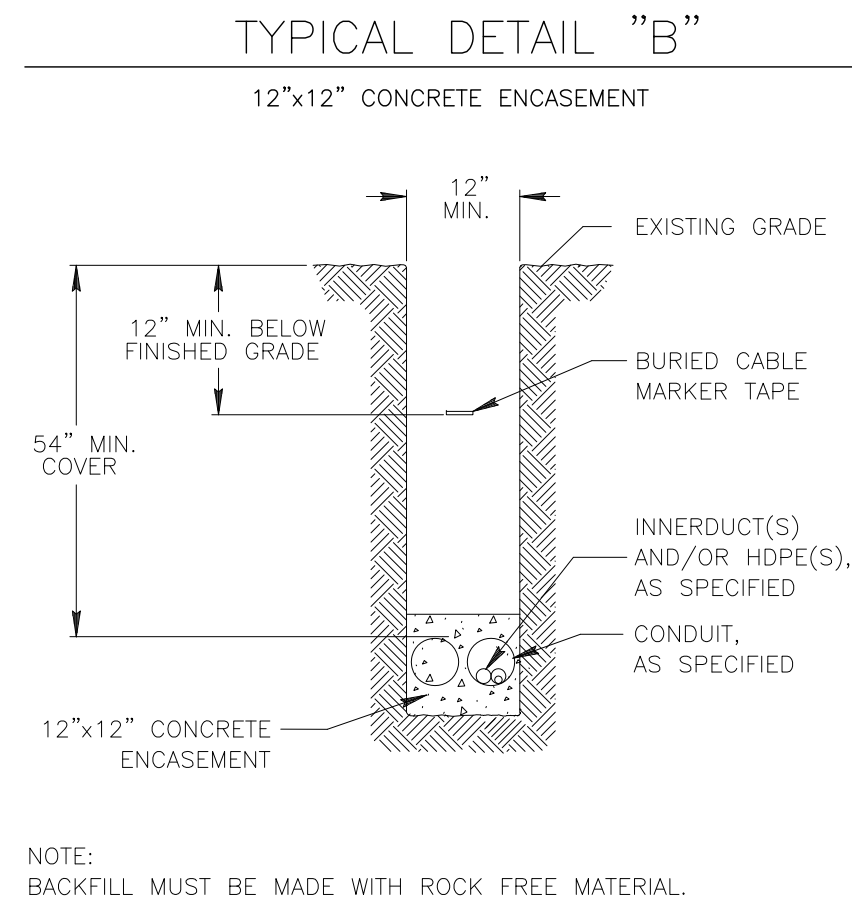
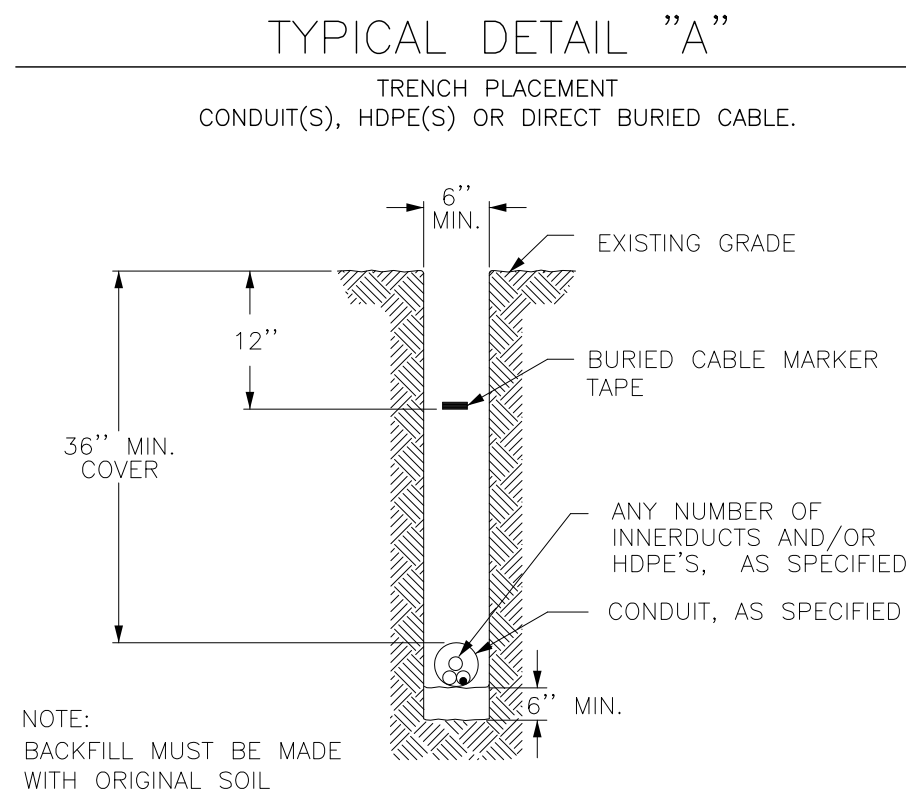
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**MATRIX DESIGN GROUP**  
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

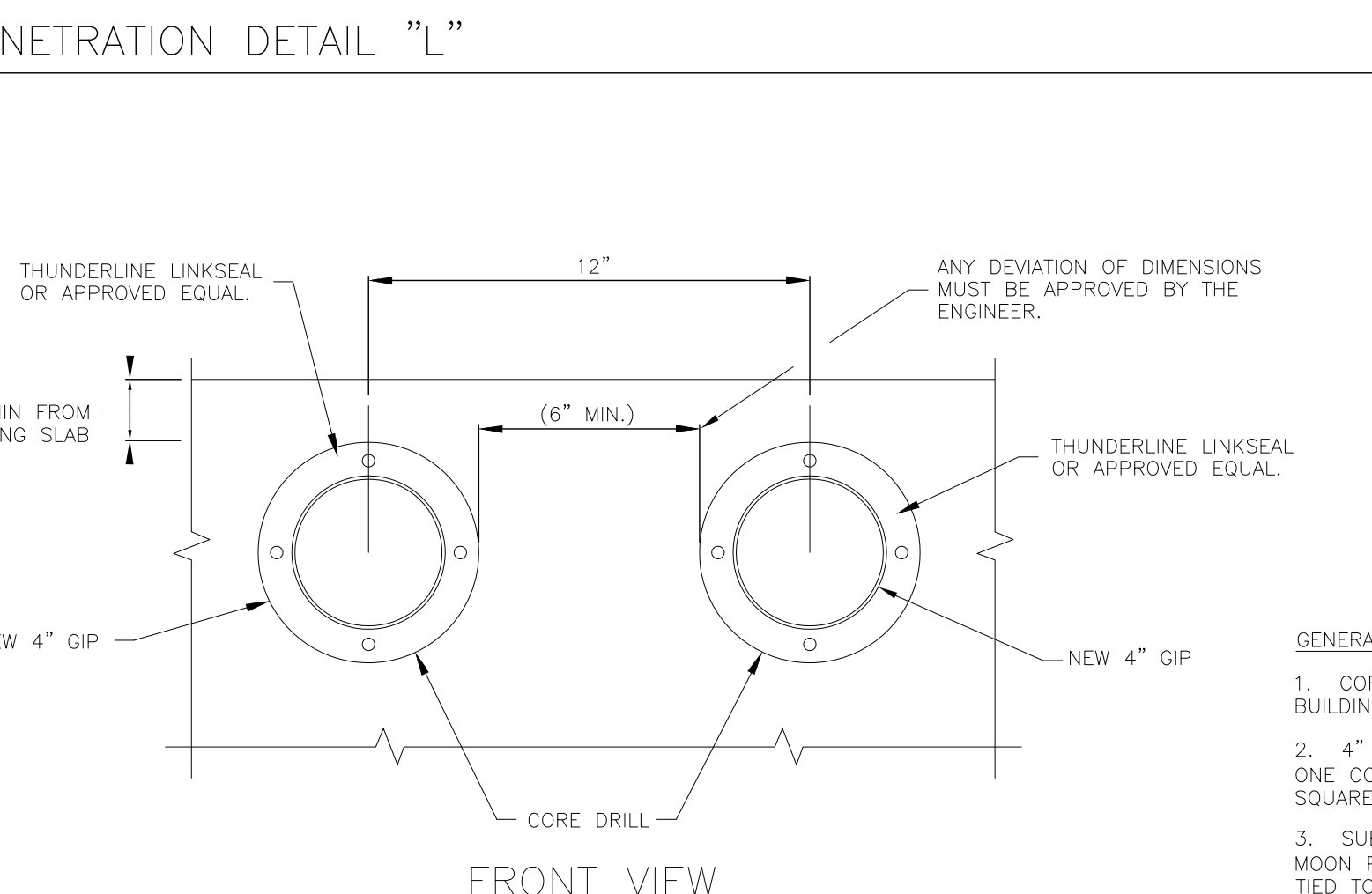
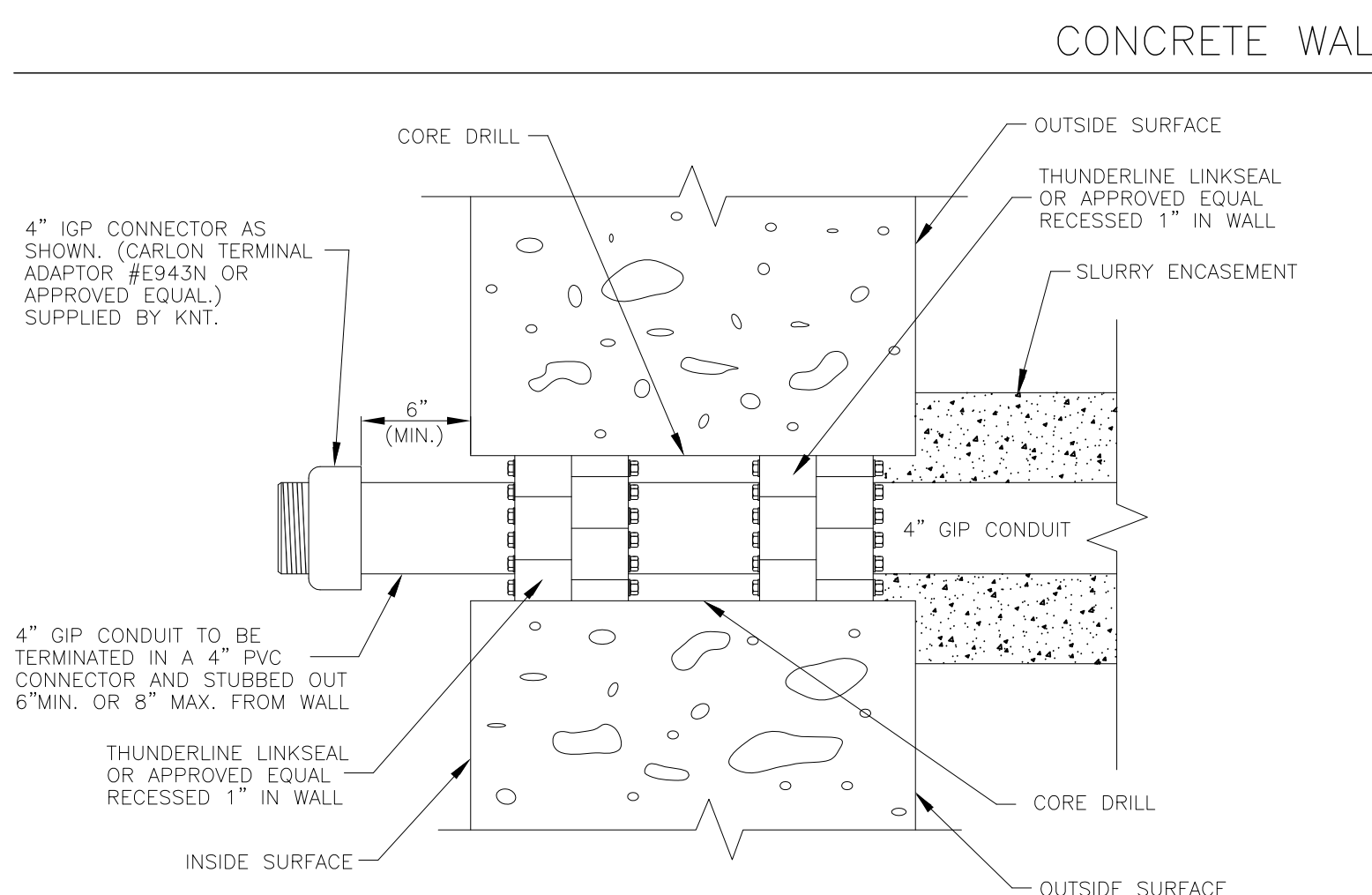
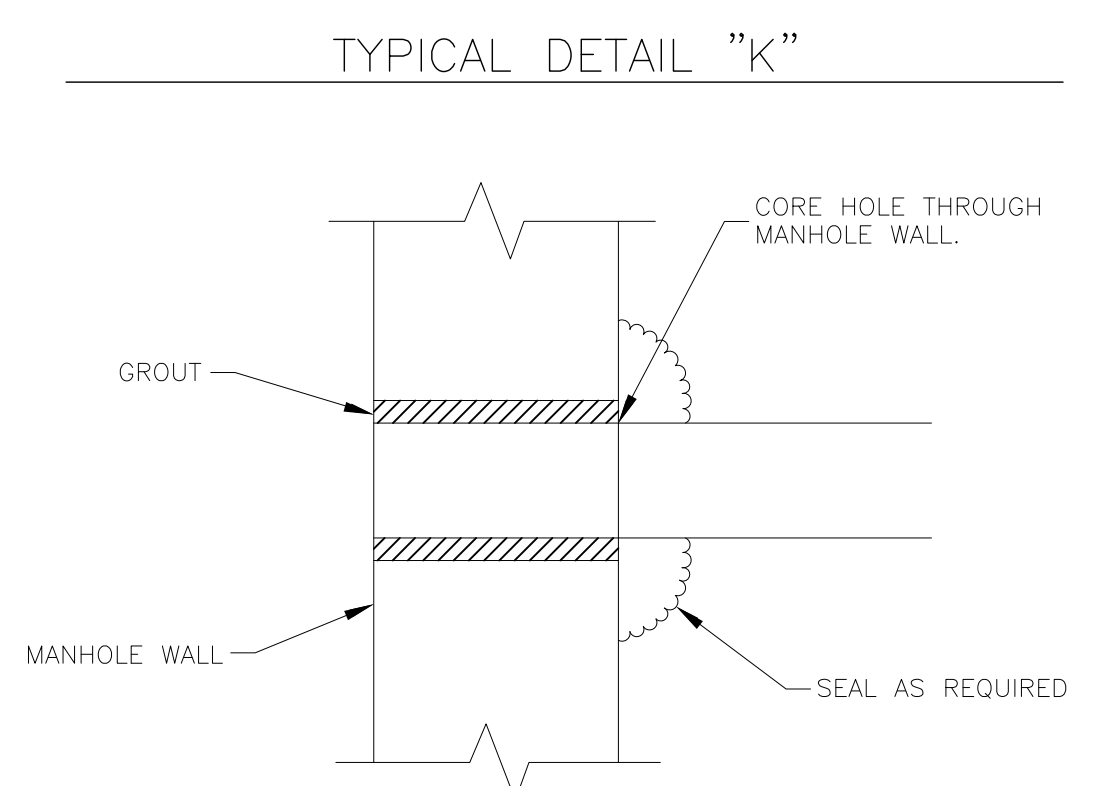
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	ISP TYPICALS		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO.  
G4  
SHEET 5 OF 95

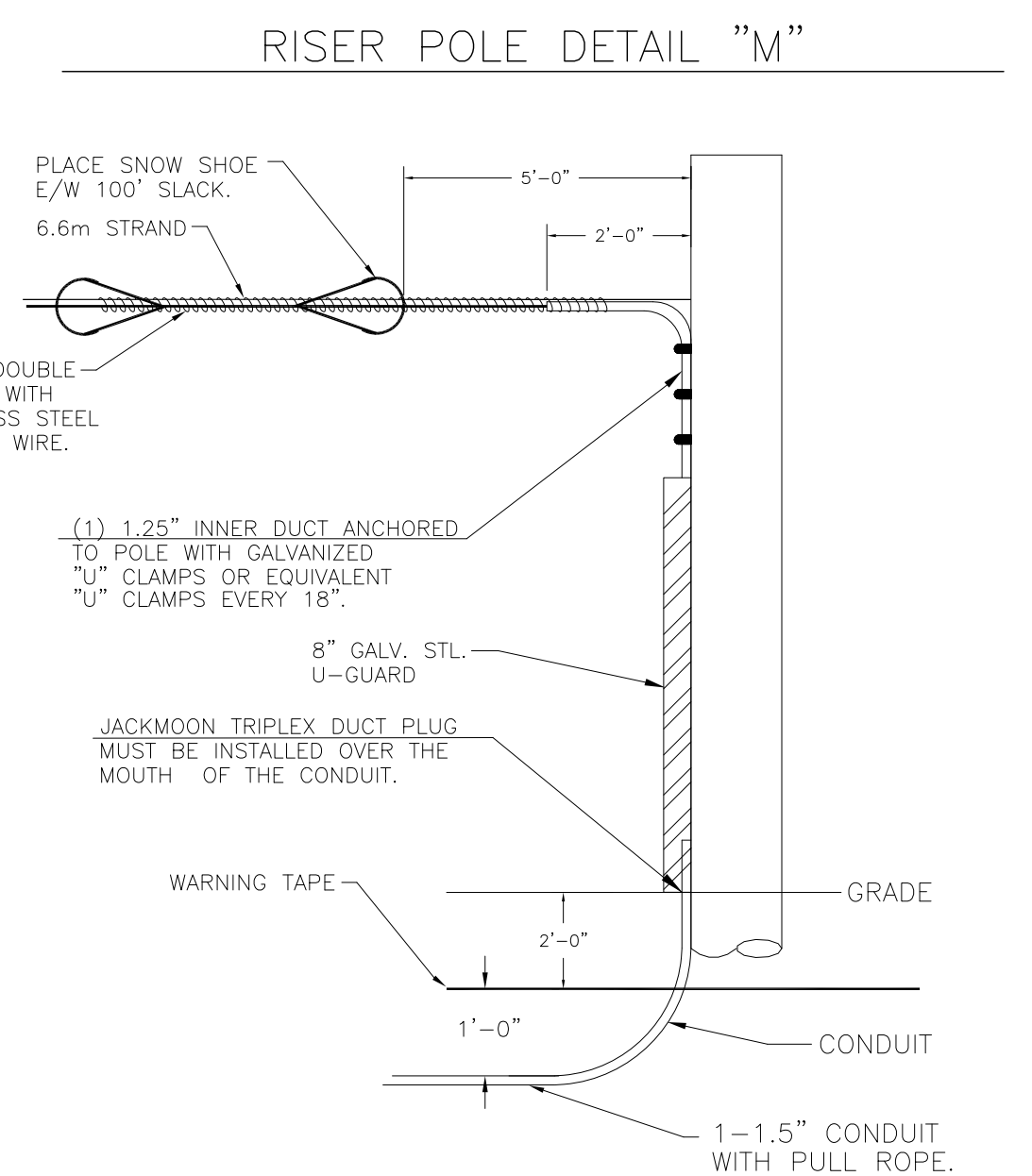
# UNDERGROUND CONSTRUCTION TYPICAL DETAILS



- NOTES:**
- FOR PREFERRED INSTALLATIONS (1) SUBCONTRACTOR SHALL SUPPLY 36"x36"x18" PULL BOX.
  - FOR ALTERNATE INSTALLATIONS (2) KNT SHALL SUPPLY 24"x24"x16" PULL BOX.



- GENERAL NOTES:**
- CORE DRILLS MUST BE AT 90° (PLUMB AND SQUARE) WITH BUILDING FOUNDATION WALL TO INSURE PROPER WATER SEALING.
  - 4" GIP CONDUIT EXTENDING THROUGH FOUNDATION WALL SHALL BE ONE CONTINUOUS PIECE (NO COUPLINGS) AND BE LEVEL, PLUMB AND SQUARE WITH BUILDING.
  - SUBCONTRACTOR SHALL PLUG 4" GIP CONDUITS WITH KNT SUPPLIED JACK MOON PLUG, MARKING TAGS ATTACHED TO PLUG 1/2" PULL ROPE SHALL BE TIED TO LOOP ON BOTTOM SIDE OF PLUG.



**CALL BEFORE YOU DIG**  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

**INFORMATION**

STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)  
TOTAL STRAND FOOTAGE - 218,749'

POLE COUNT - (THIS SHEET)

Strand span distances do not include sag % tolerance.

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ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY  
VTA 2011-124

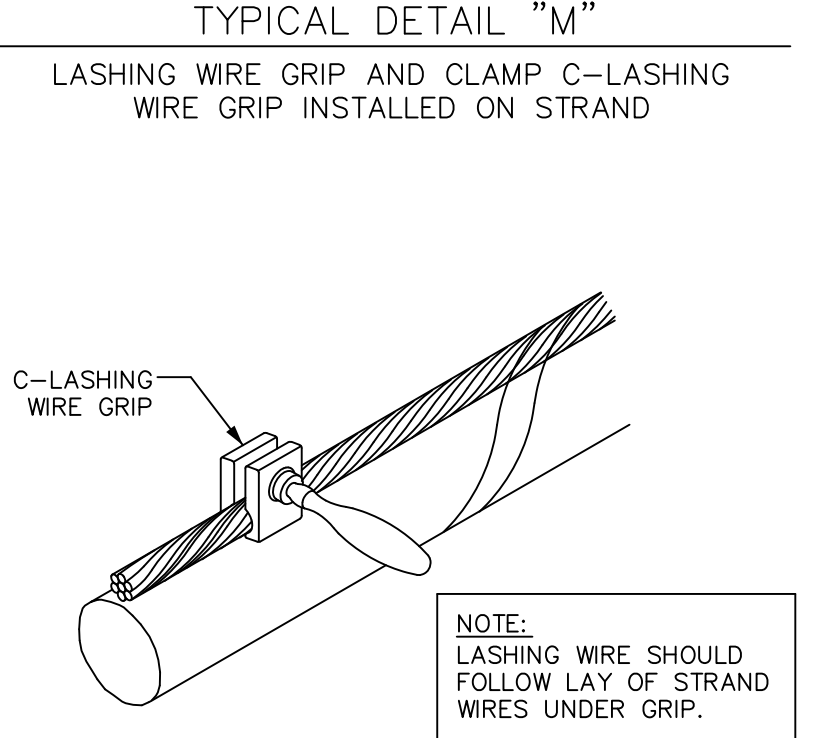
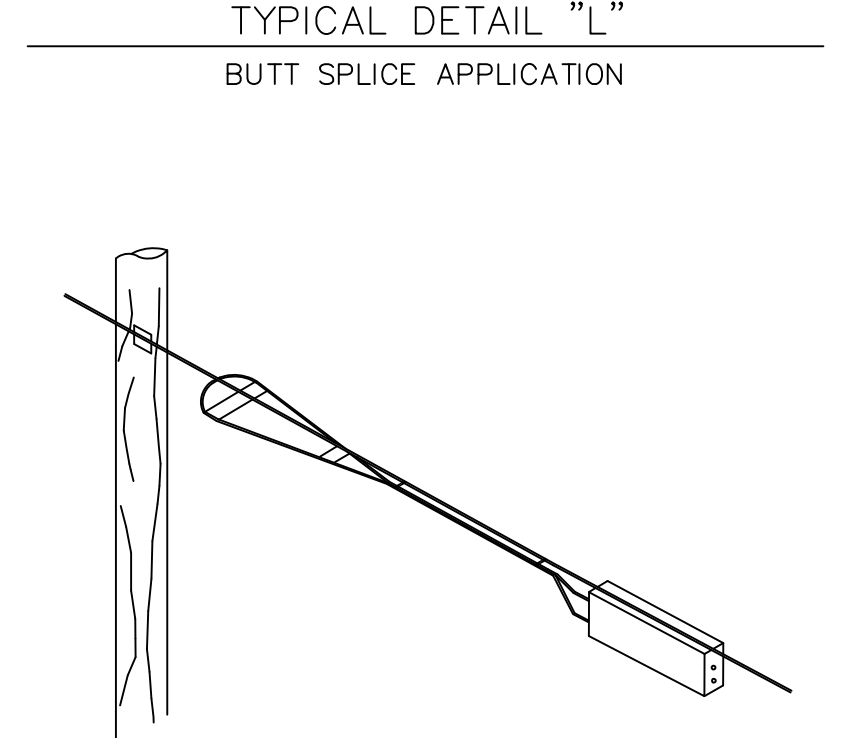
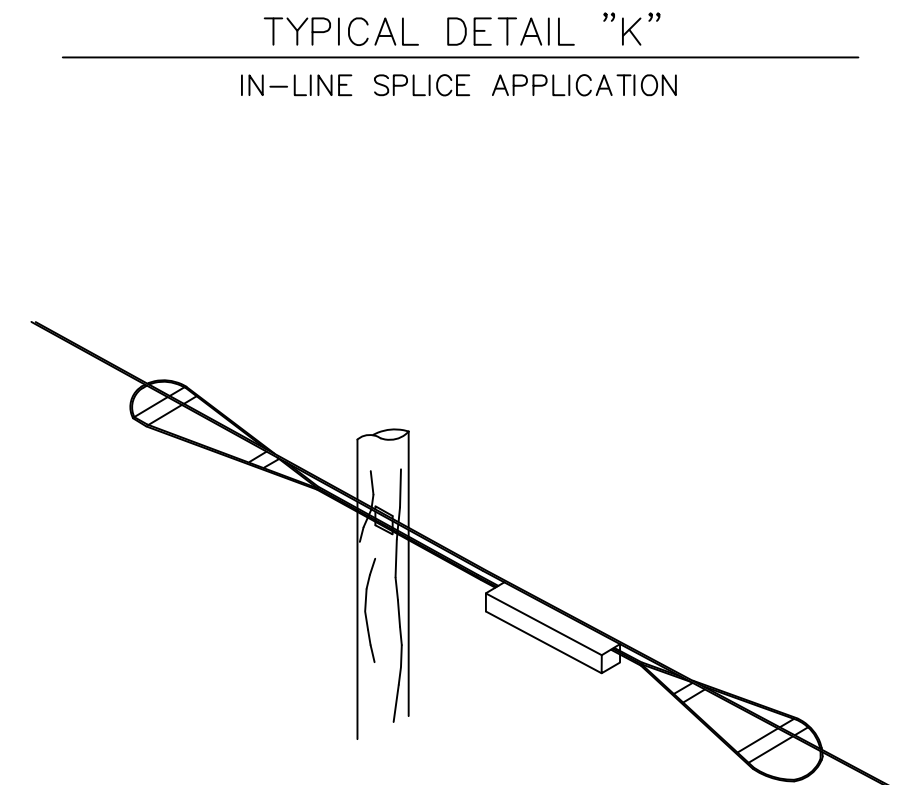
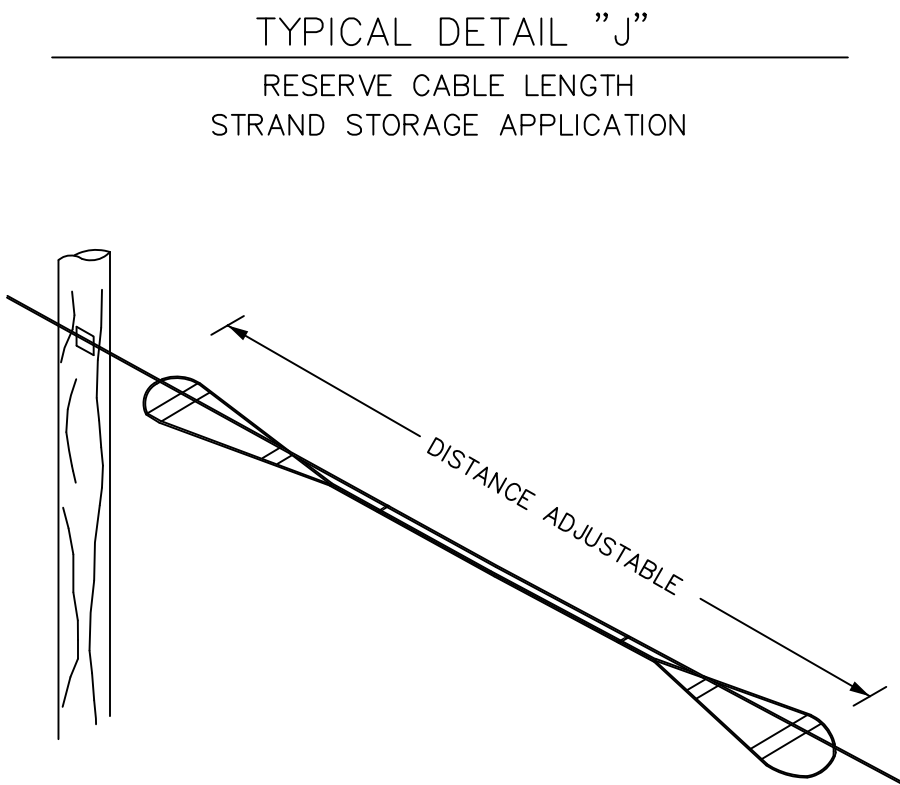
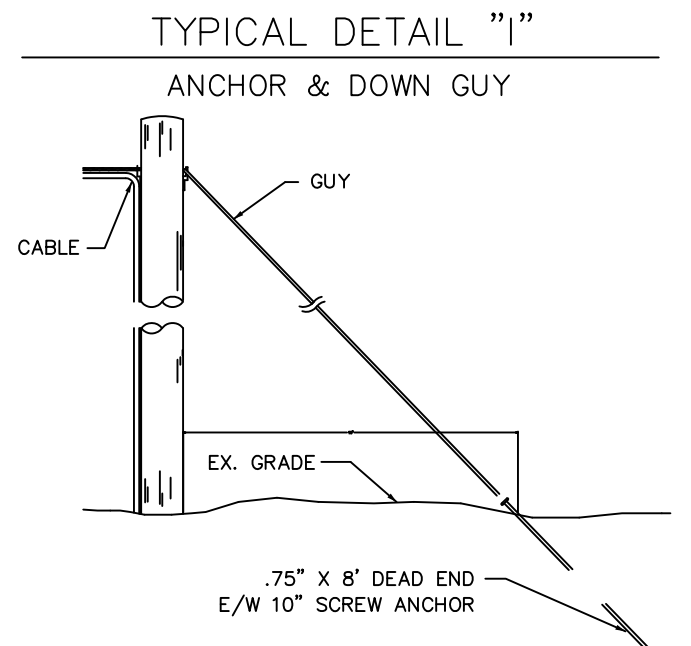
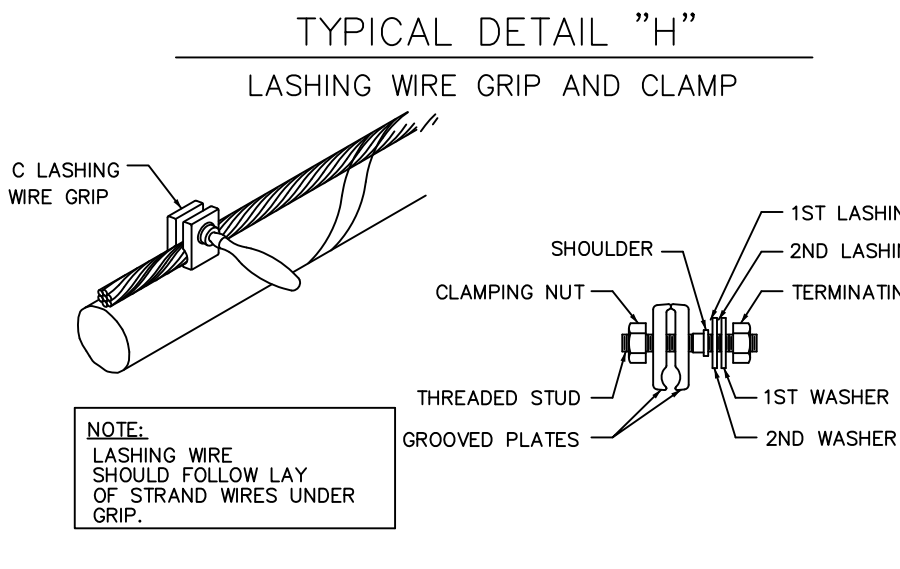
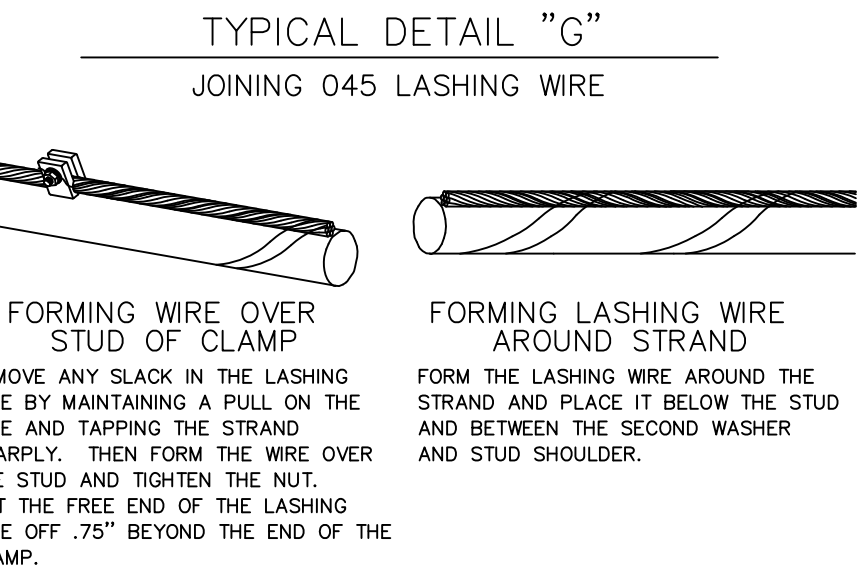
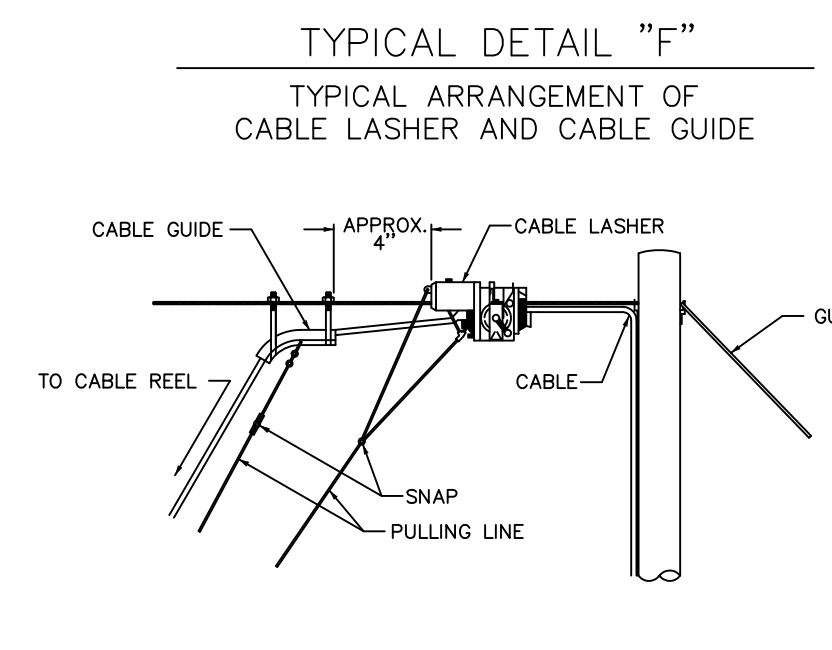
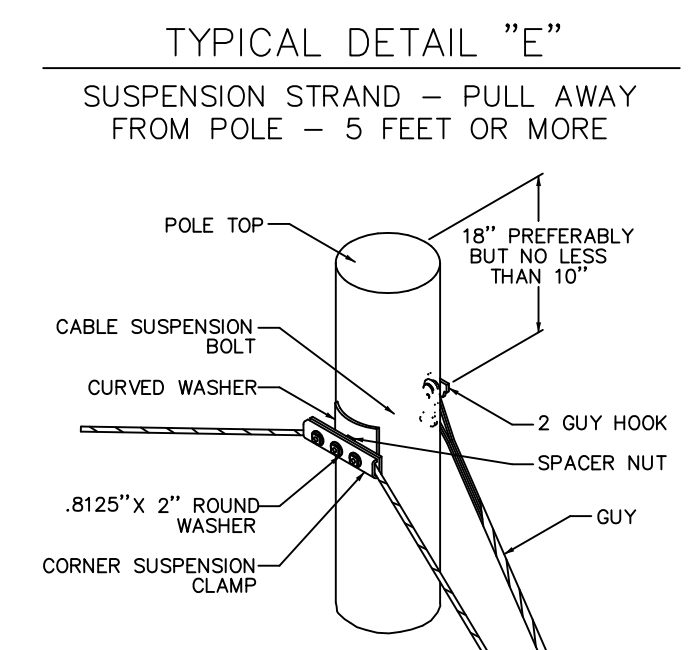
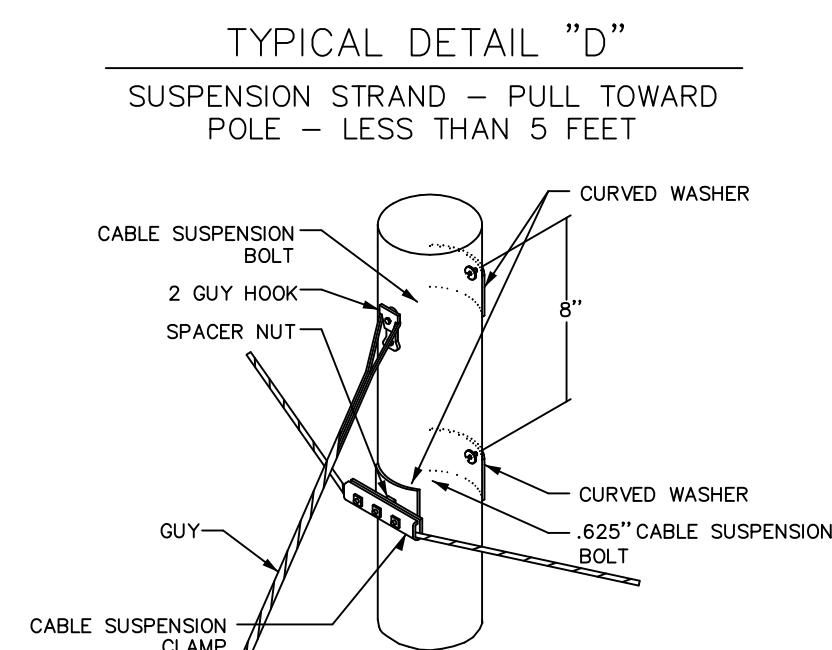
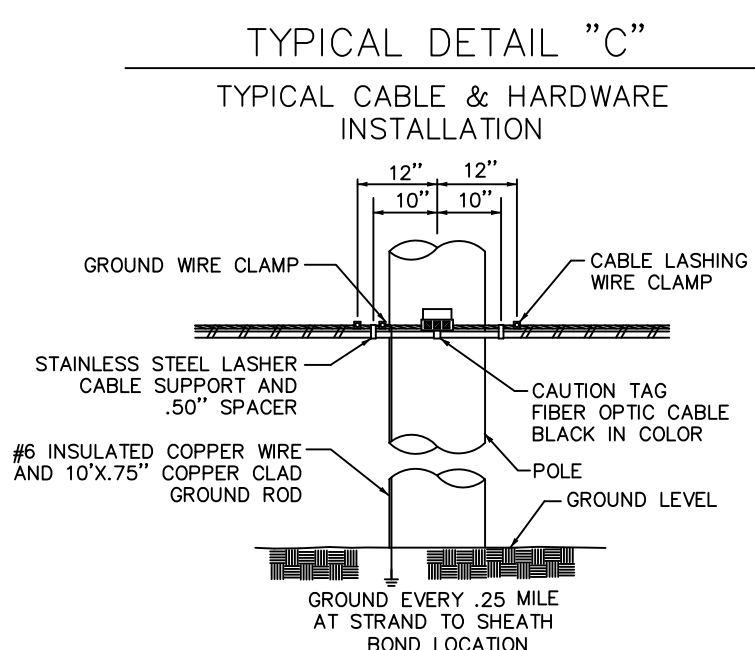
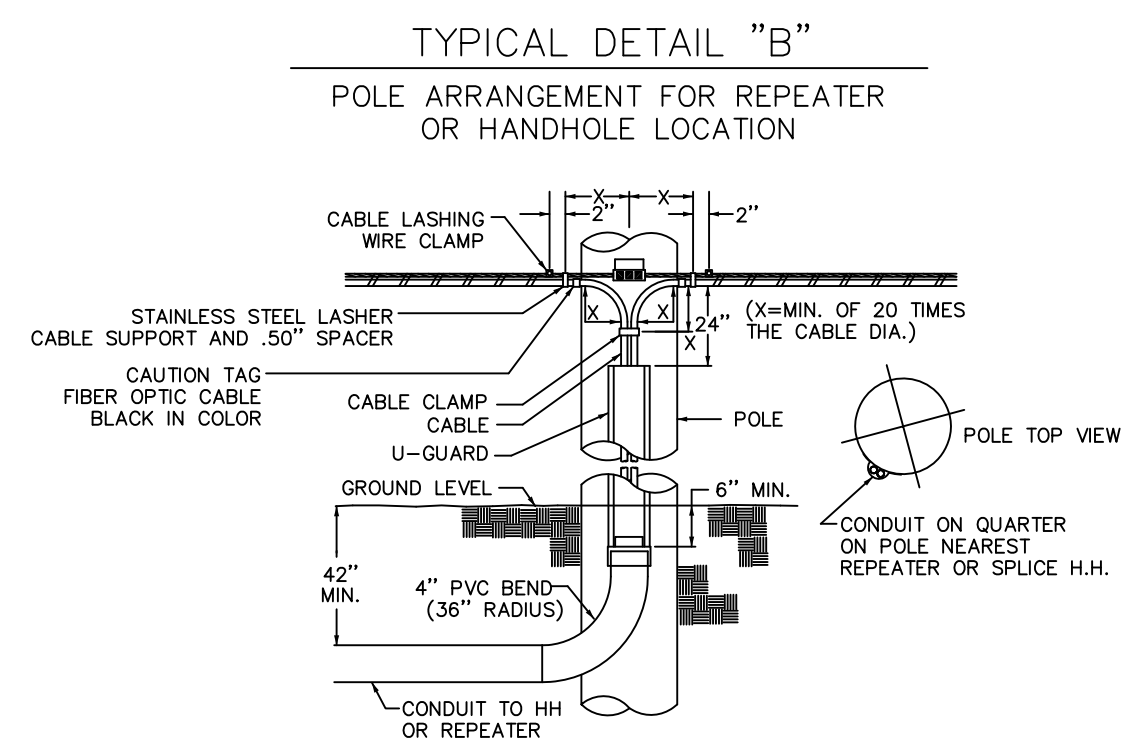
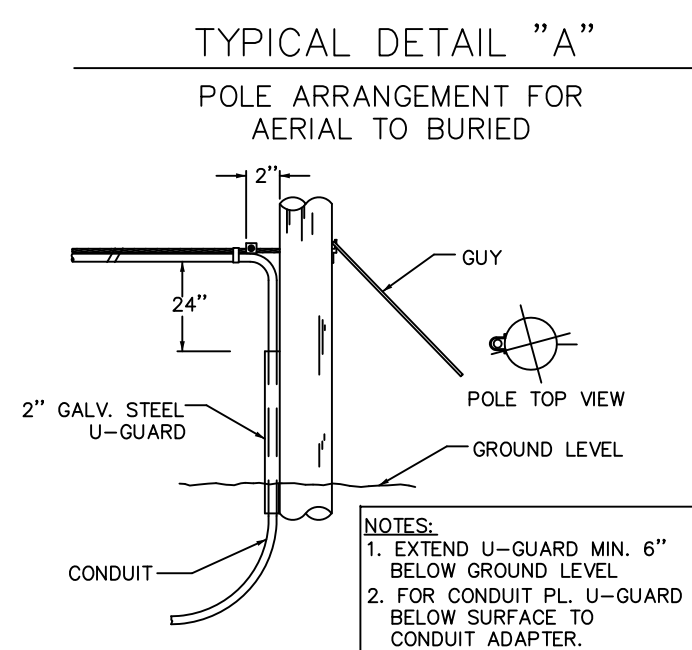
DRAWING TITLE: UNDERGROUND CONSTRUCTION TYPICAL DETAILS

PROJECT NO. 505.001.01 DATE: 06/01/12

SCALE: NTS DRAWN BY: JRF APPROVED BY: MLZ

DRAWING NO. G5 SHEET 6 OF 95

# AERIAL CONSTRUCTION TYPICAL DETAILS



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1-888-DIGSAFE  
1-888-344-7233  
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REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

**INFORMATION**

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TOTAL STRAND FOOTAGE - 218,749'

POLE COUNT - (THIS SHEET)

Strand span distances do not include sag % tolerance.

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PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY  
VTA 2011-124

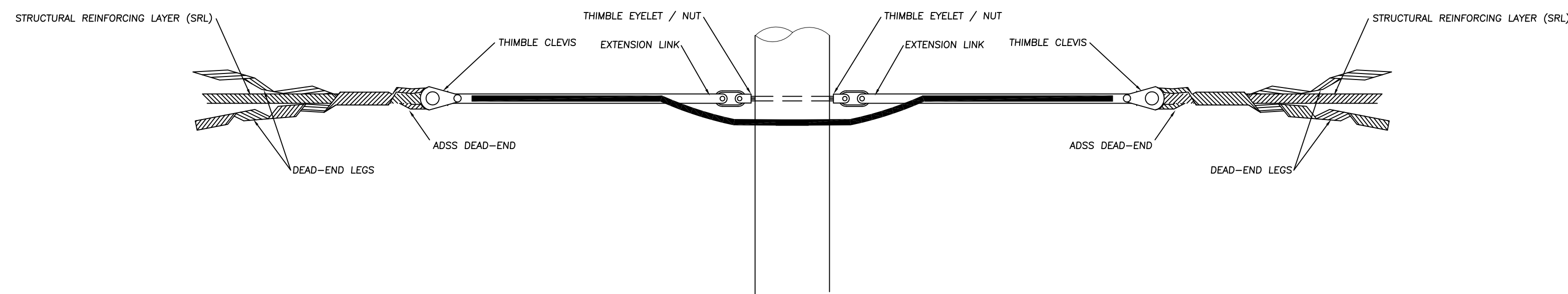
DRAWING TITLE: AERIAL CONSTRUCTION TYPICAL DETAILS

PROJECT NO. 505.001.01	DATE: 06/01/12
SCALE: NTS	DRAWN BY: JRF
APPROVED BY: MLZ	

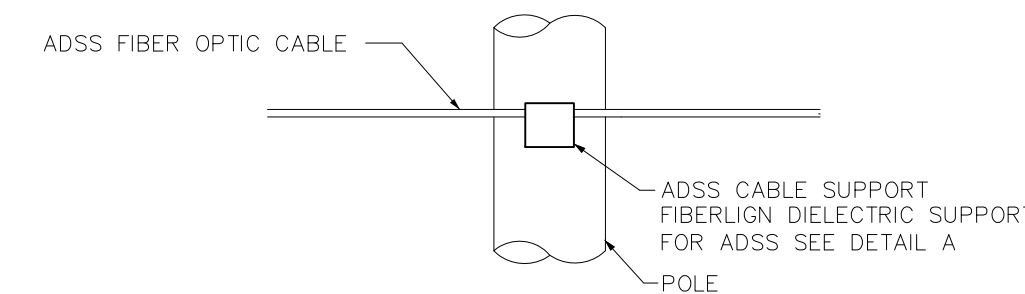
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↓  
G6  
SHEET 7 OF 95

# ADSS CONSTRUCTION TYPICAL DETAILS

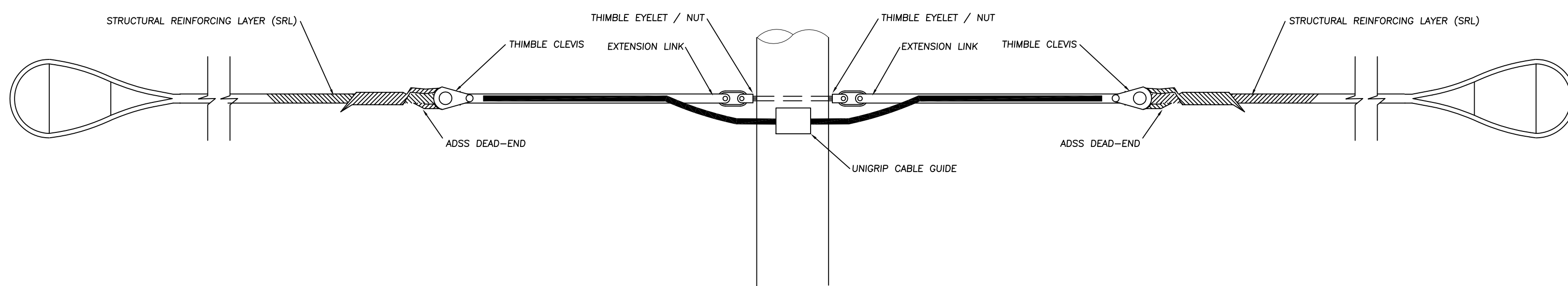
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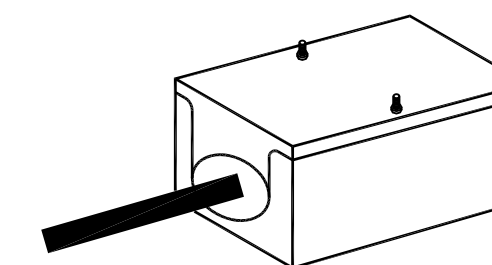
## TYPICAL ADSS THROUGH POLE ATTACHMENT



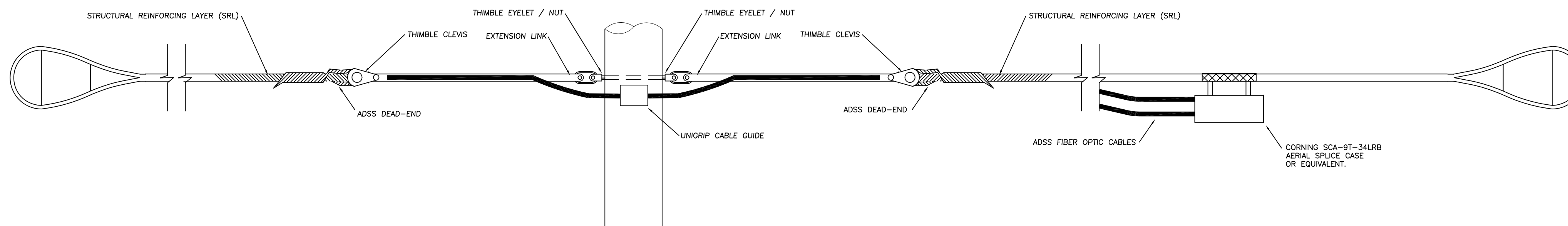
## TYPICAL ADSS SLACK LOCATION POLE ATTACHMENT



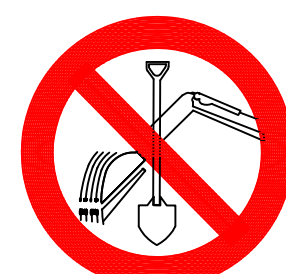
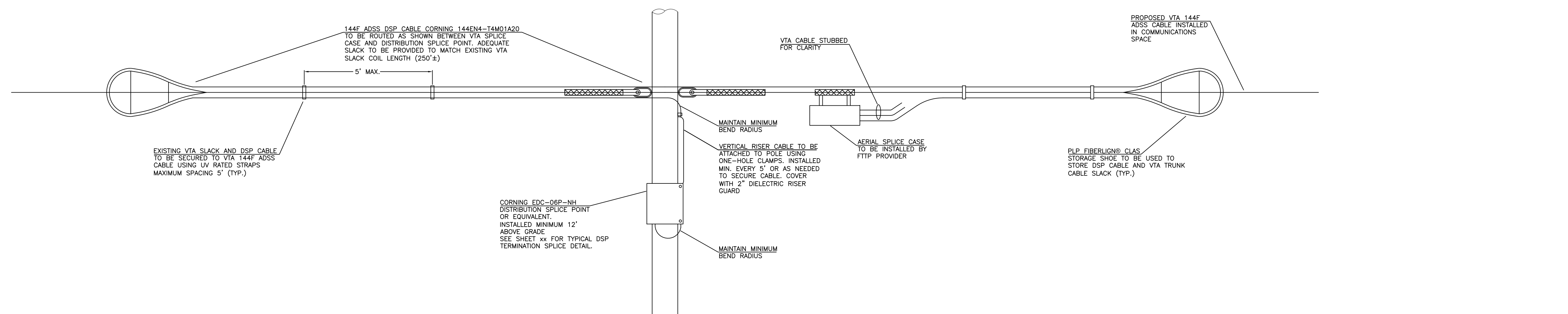
## FIBERIGN DIELECTRIC SUPPORT DETAIL "A"



## TYPICAL ADSS BUTT SPLICE POLE ATTACHMENT



## PROPOSED TYPICAL FTTH DSP CABLE ROUTING DETAIL



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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
ISSUED FOR BID		JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	ADSS CONSTRUCTION TYPICAL DETAILS		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

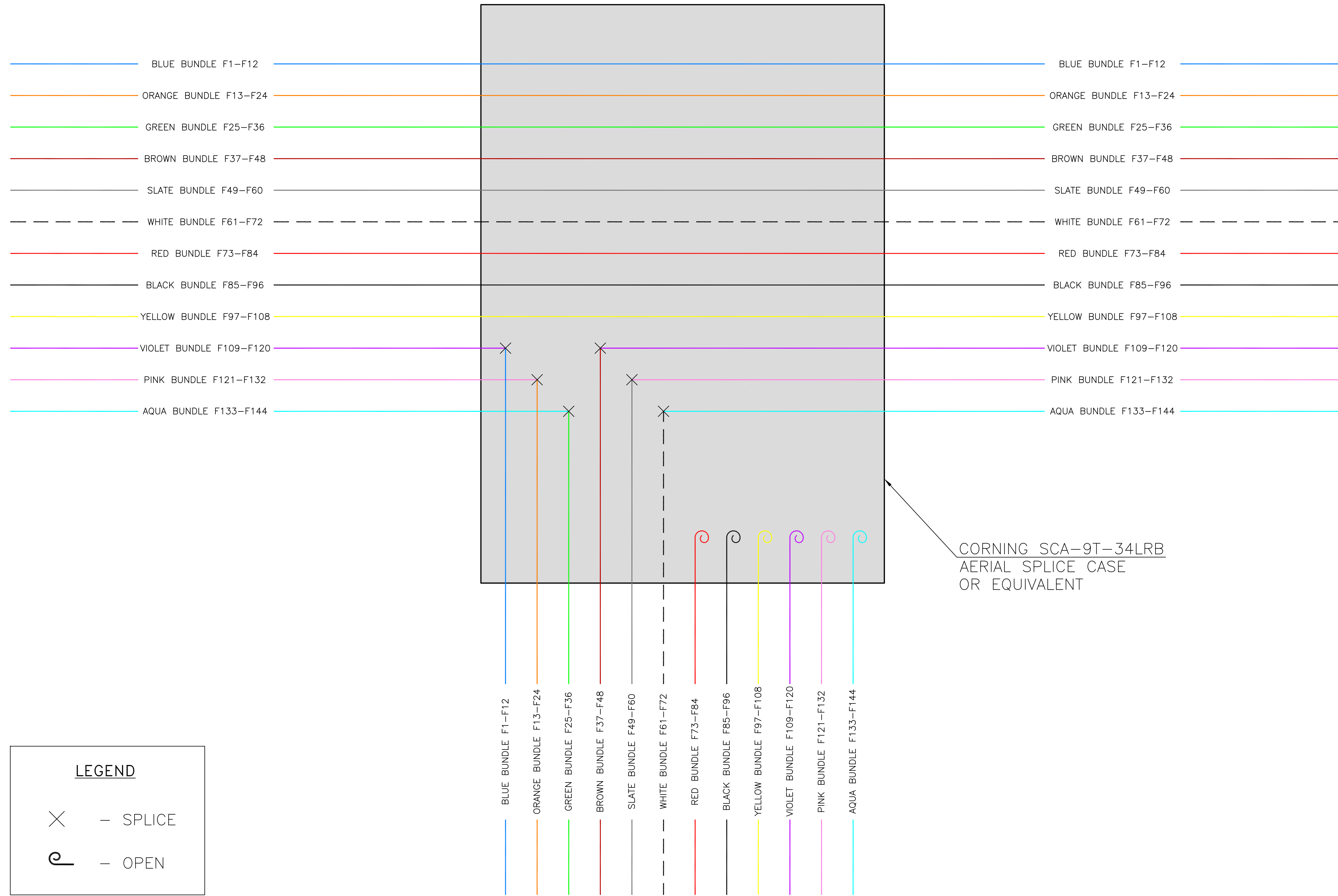
DRAWING NO. G7  
SHEET 8 OF 95



# TYPICAL FTTH DISTRIBUTION SPLICE DETAIL

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

FTTH



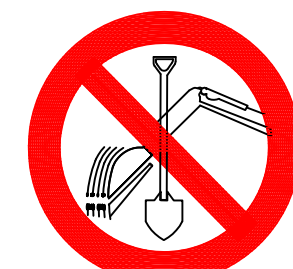
VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

LEGEND	
X	- SPLICE
⌒	- OPEN

144F ADSS CABLE TO  
DISTRIBUTION SPLICE POINT



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

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**MATRIX  
DESIGN GROUP**

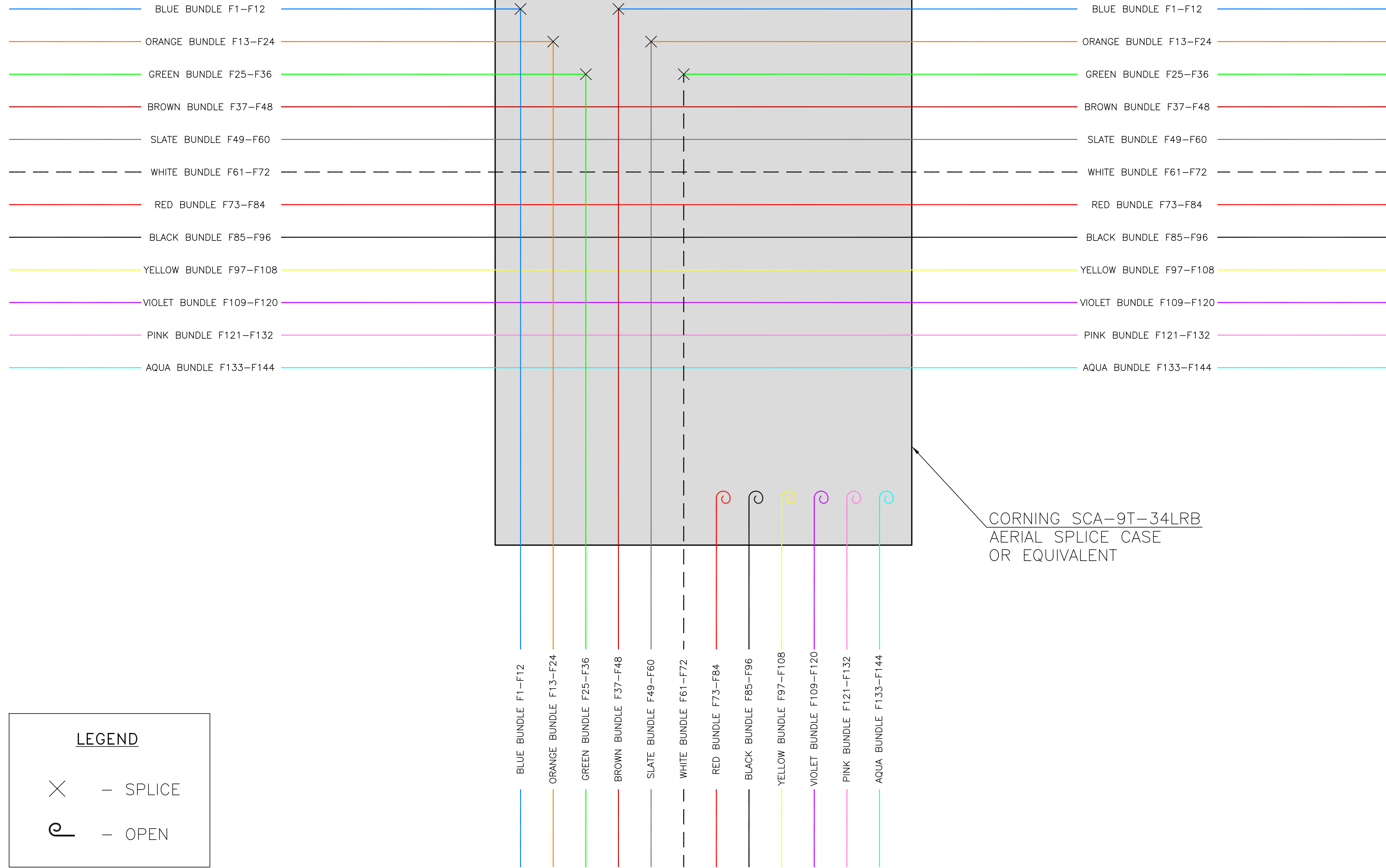
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: F.O. FACILITIES NETWORK DESIGN VTA-2011-124 VERMONT		N ↑ ↓ N
DRAWING TITLE: TYPICAL FTTH DISTRIBUTION SPLICE DETAIL		
PROJECT NO. 505.001.01	DATE: 06/01/12	DRAWING NO. G8
SCALE: NTS	DRAWN BY: JW	APPROVED BY: MLZ

# TYPICAL BRIDGE CABLE TO PROVIDER SPLICE DETAIL

VTA 144F ADSS CABLE  
HEADING TOWARDS SHARON

FTTH



FTTH

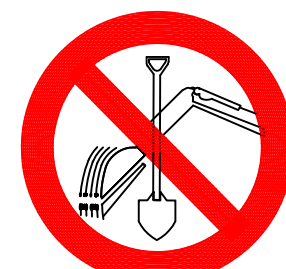
VTA 144F ADSS CABLE  
HEADING TOWARDS CHELSEA

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

144F ADSS BRIDGE CABLE  
TO PROVIDER SPLICE CASE

**LEGEND**

- X - SPLICE
- P - OPEN



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

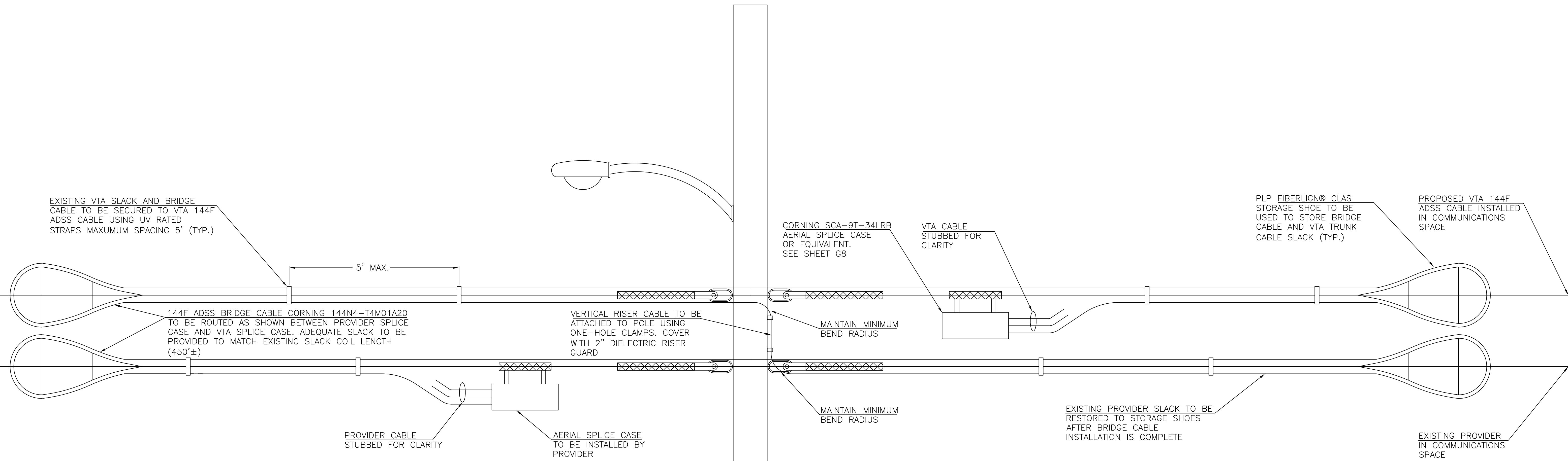
PROJECT: F.O. FACILITIES NETWORK DESIGN VTA-2011-124 VERMONT	
DRAWING TITLE: TYPICAL BRIDGE CABLE TO PROVIDER SPLICE DETAIL	
PROJECT NO. 505.001.01	DATE: 06/01/12
SCALE: NTS	DRAWN BY: JW
	APPROVED BY: MLZ

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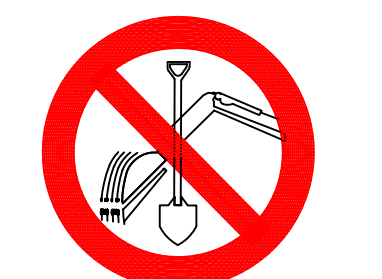
DRAWING NO.  
G9

SHEET 10 OF 95

# TYPICAL BRIDGE CABLE ROUTING DETAIL EXISTING PROVIDER IN COMMUNICATION SPACE



THIS OCCURS IN HARDWICK AT INTERSECTION OF SUMMER ST & KELLOGG ST,  
MAP AN-048, POLE# nt / 1/2



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

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**MATRIX DESIGN GROUP**

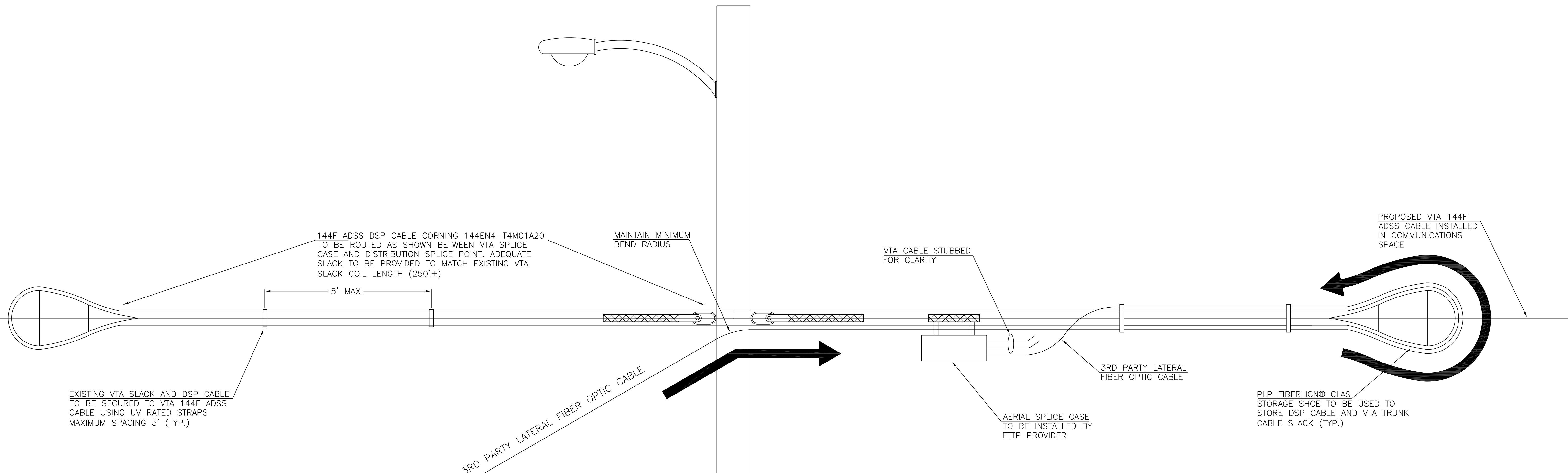
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: F.O. FACILITIES NETWORK DESIGN VTA-2011-124 VERMONT	
DRAWING TITLE: COMMUNICATION SPACE BRIDGE CABLE DETAIL	
PROJECT NO. 505.001.01	DATE: 06/01/12
SCALE: NTS	DRAWN BY: JS APPROVED BY: MLZ

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G10

SHEET 11 OF 95

# TYPICAL 3RD PARTY LATERAL CABLE ROUTING DETAIL



- NOTES:
1. THIS DETAIL WILL BE TYPICAL FOR FUTURE CONNECTIONS TO 3RD PARTY CARRIERS.
  2. THIS DETAIL WILL OCCUR AT 4 LOCATIONS (AS OF 06/01/12):
    - CASELLA LANDFILL GARAGE, AIRPORT RD., COVENTRY, SHT. 67, MAP AT-011, POLE# 13/77f
    - VT AOT IRASBURG GARAGE, VT-14, IRASBURG, SHT. 59, MAP AR-016, POLE# 146
    - NEWPORT AIRPORT, AIRPORT RD., COVENTRY, SHT. 65, MAP AT-013, POLE# 37/101
    - VTEL CONNECTION, CEMETARY RD. & SO. CRAFTSBURY RD., CRAFTSBURY, SHT. 30, MAP AN-036, POLE# 364



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: F.O. FACILITIES NETWORK DESIGN VTA-2011-124 VERMONT	
DRAWING TITLE: TYPICAL 3RD PARTY LATERAL CABLE ROUTING DETAIL	
PROJECT NO. 505.001.01	DATE: 06/01/12
SCALE: NTS	DRAWN BY: JS
	APPROVED BY: MLZ

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DRAWING NO.  
G11

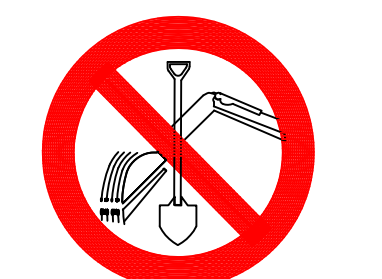
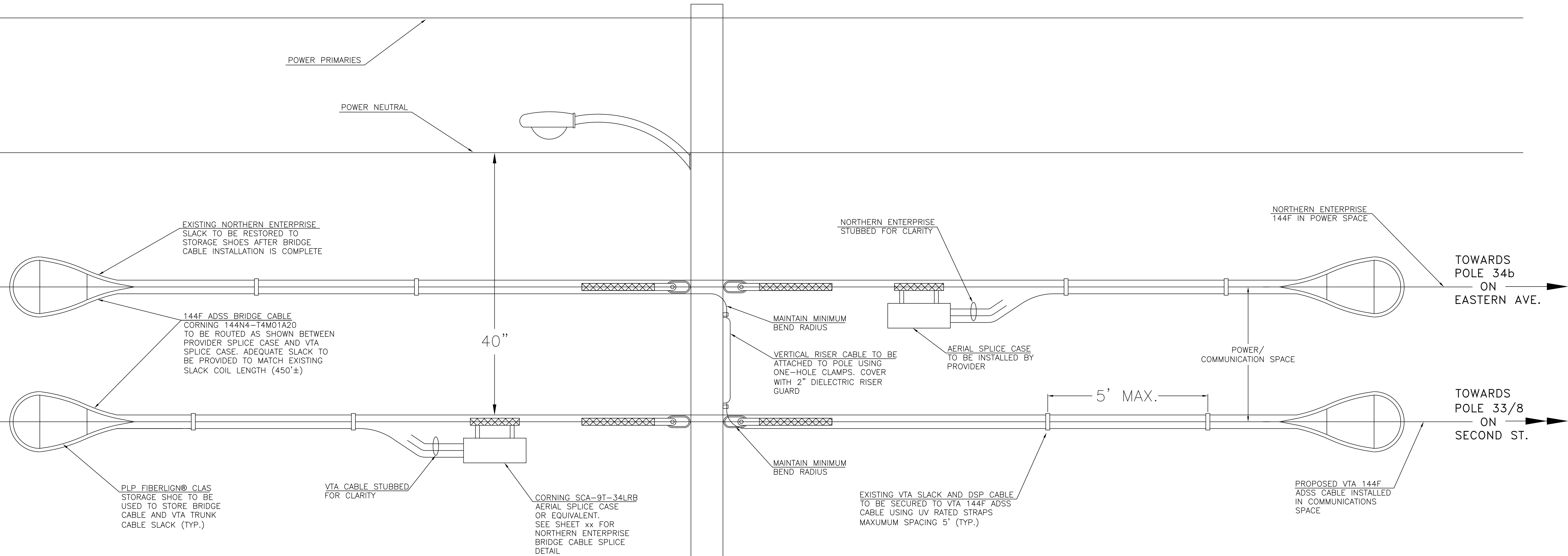
SHEET 12 OF 95

# NORTHERN ENTERPRISE BRIDGE CABLE ROUTING DETAIL

(MAP AT-009)

POLE #34a / 5  
CORNER OF  
EASTERN AVE.  
& SECOND ST.

TOWARDS POLE #NT / 7  
AT CORNER OF PROSPECT ST.  
AND SECOND ST.



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1-888-344-7233  
48 HOURS NOTICE REQUIRED

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REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
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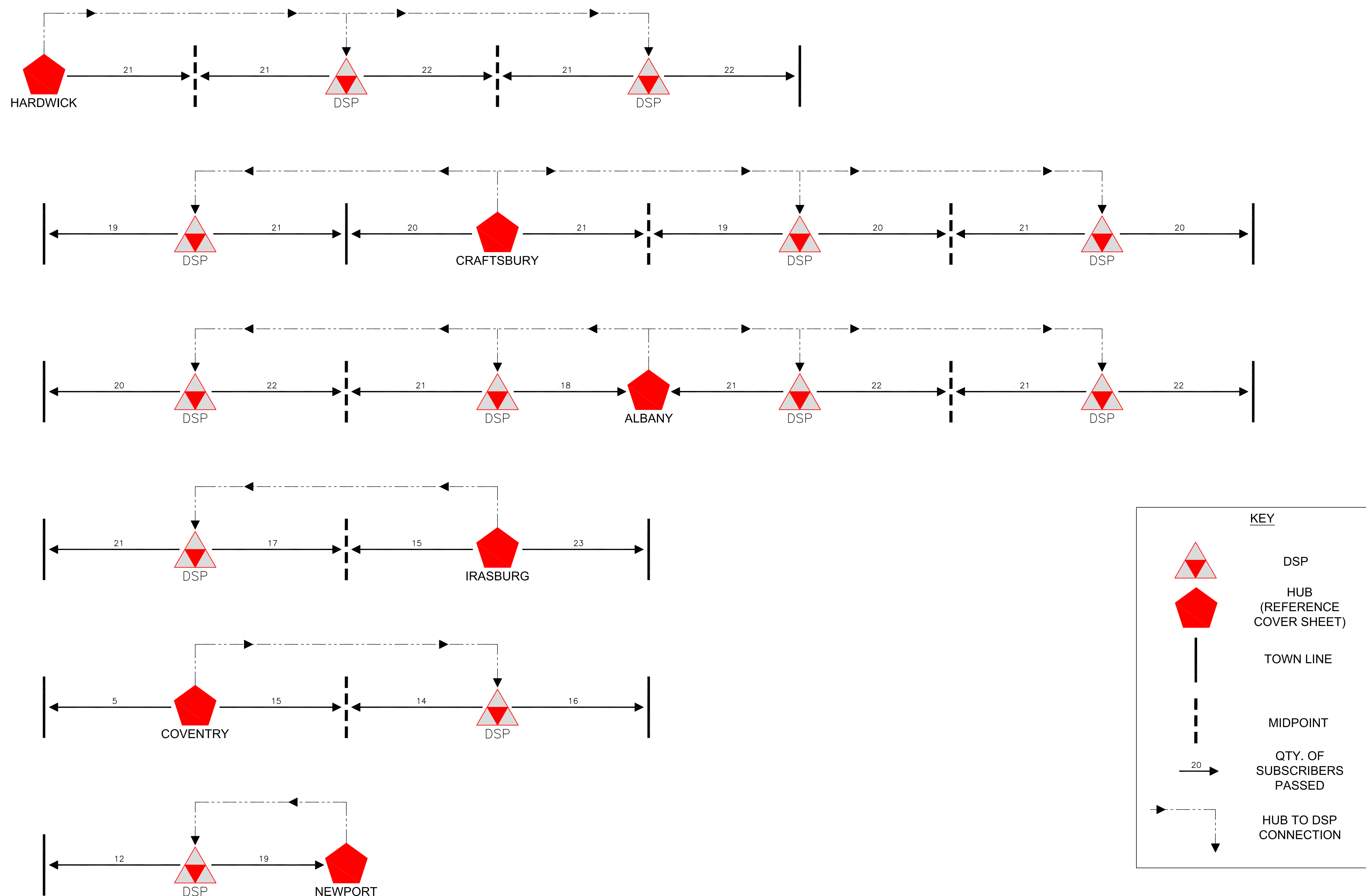
**MATRIX  
DESIGN GROUP**

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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: F.O. FACILITIES NETWORK DESIGN VTA-2011-124 VERMONT		N ↑ ↓ NE
DRAWING TITLE: NORTHERN ENTERPRISE BRIDGE CABLE ROUTING DETAIL		
PROJECT NO. 505.001.01	DATE: 06/01/12	DRAWING NO. NE
SCALE: NTS	DRAWN BY: JS & JRF	APPROVED BY: MLZ
		SHEET 13 OF 95

# FTTH LOGICAL NETWORK SCHEMATIC

## (FUTURE USE, FOR REFERENCE ONLY)



**KEY**

- DSP
- HUB (REFERENCE COVER SHEET)
- TOWN LINE
- MIDPOINT
- QTY. OF SUBSCRIBERS PASSED
- HUB TO DSP CONNECTION

**CALL BEFORE YOU DIG**  
 1-888-DIGSAFE  
 1-888-344-7233  
 48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

**INFORMATION**

STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)

TOTAL STRAND FOOTAGE - 218,749'

POLE COUNT - (THIS SHEET)

Strand span distances do not include sag % tolerance.

**Vermont Telecommunications Authority**

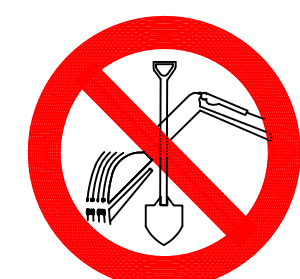
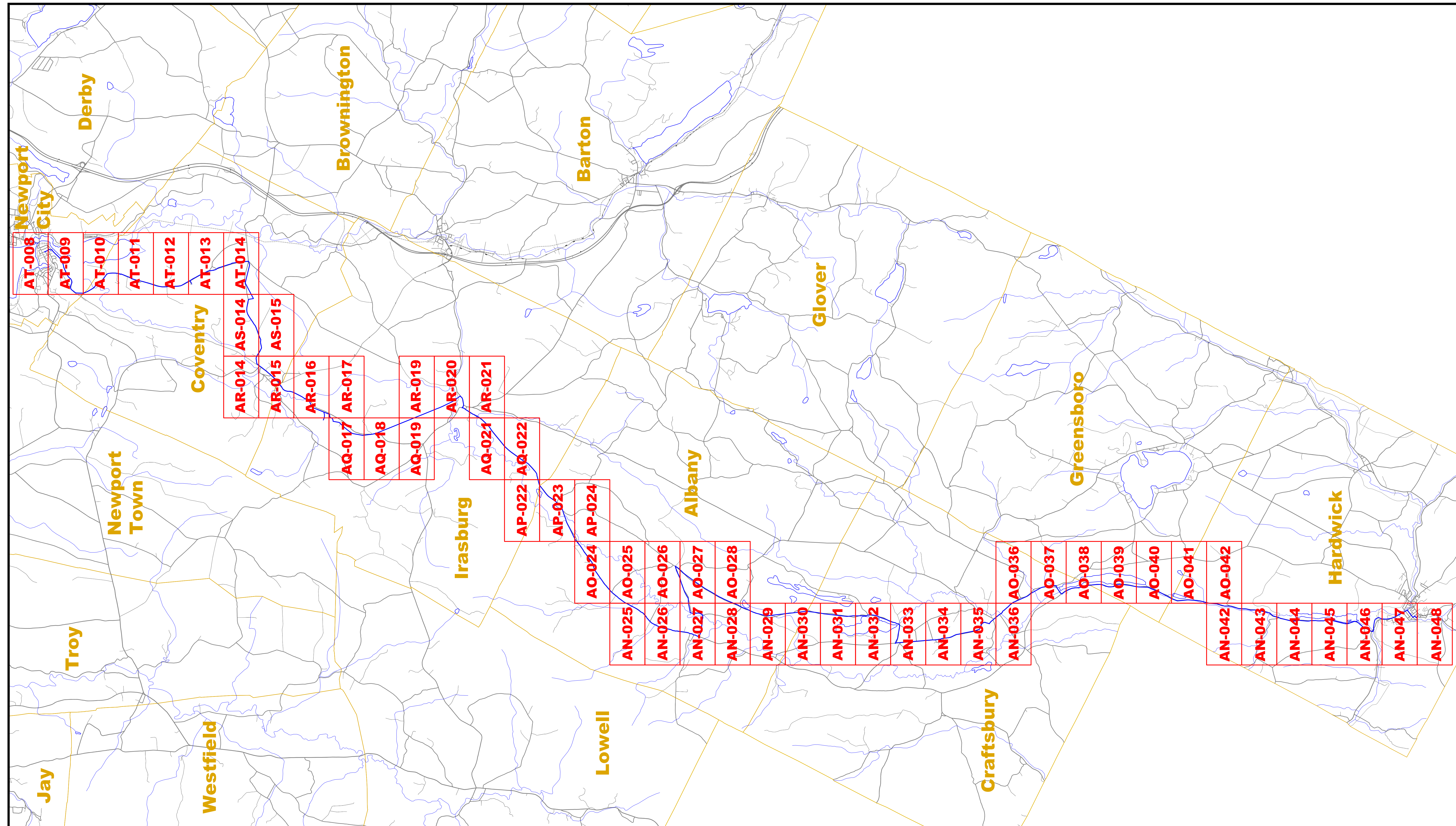
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**MATRIX DESIGN GROUP**

415 WATERMAN ROAD  
 ROYALTON, VERMONT 05001  
 TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE: FTTH LOGICAL NETWORK SCHEMATIC	
PROJECT NO. 505.001.01	DATE: 06/01/12
SCALE: NTS	DRAWN BY: JRF
	APPROVED BY: MLZ

N  
  
 DRAWING NO. LNS  
 SHEET 14 OF 95



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REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)
TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)
Strand span distances do not include sag % tolerance.

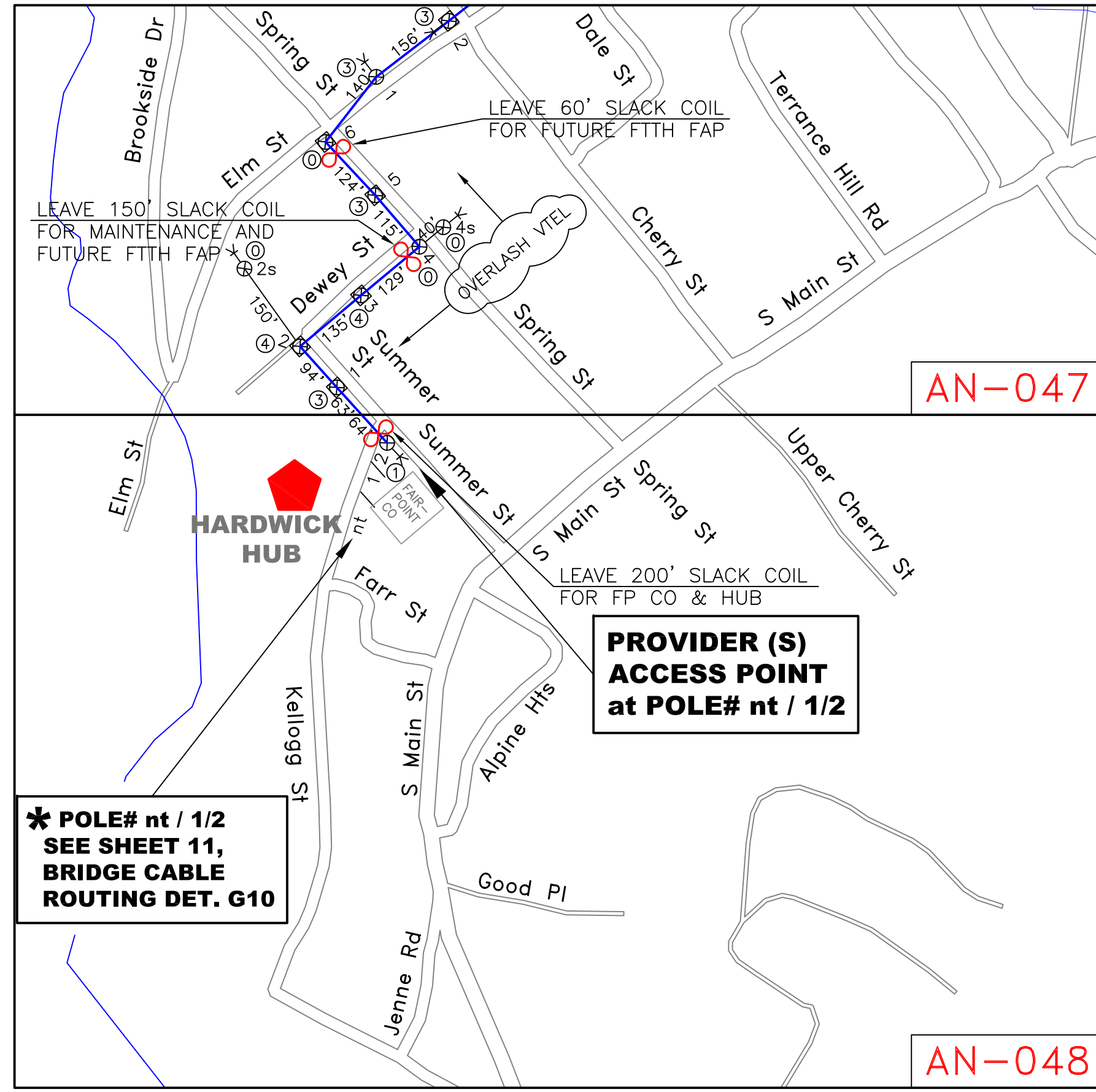
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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	KEYMAP		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO.  
KP  
SHEET 15 OF 95



AN-047

AN-048

HARDWICK HUB INSET MAP

**DO NOT BUILD SLACK COILS IN SAME LOCATIONS AS VTEL SLACK COILS**

**OVERLASH FIBER ONTO VTEL LINE THIS ENTIRE MAP**

**\* POLE# nt / 1/2 SEE SHEET 11, DRAWING G10 BRIDGE CABLE ROUTING DETAIL**

**PROVIDER (S) ACCESS POINT at POLE# nt / 1/2**

AN-048

144 COUNT ADSS FIBER

LEAVE 200' SLACK COIL FOR FP CO & HUB

\* POLE# nt / 1/2 SEE SHEET 11, BRIDGE CABLE ROUTING DET. G10

PROVIDER (S) ACCESS POINT at POLE# nt / 1/2

HARDWICK HUB

nt / 1/2

PROVIDER (S) ACCESS POINT at POLE# nt / 1/2

AM-047	AN-047	AO-047
AM-048	AN-048	AO-048
AM-049	AN-049	AO-049

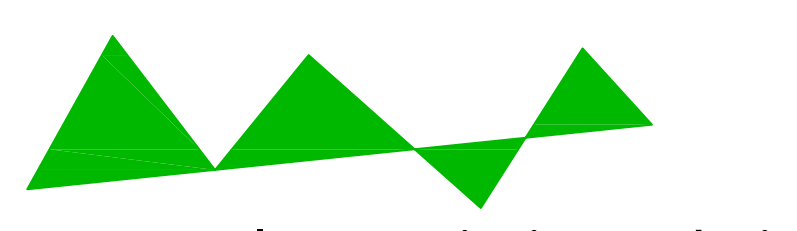


CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
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REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	64'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	1

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

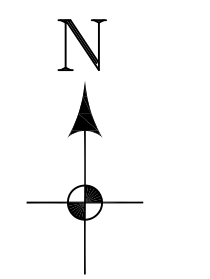
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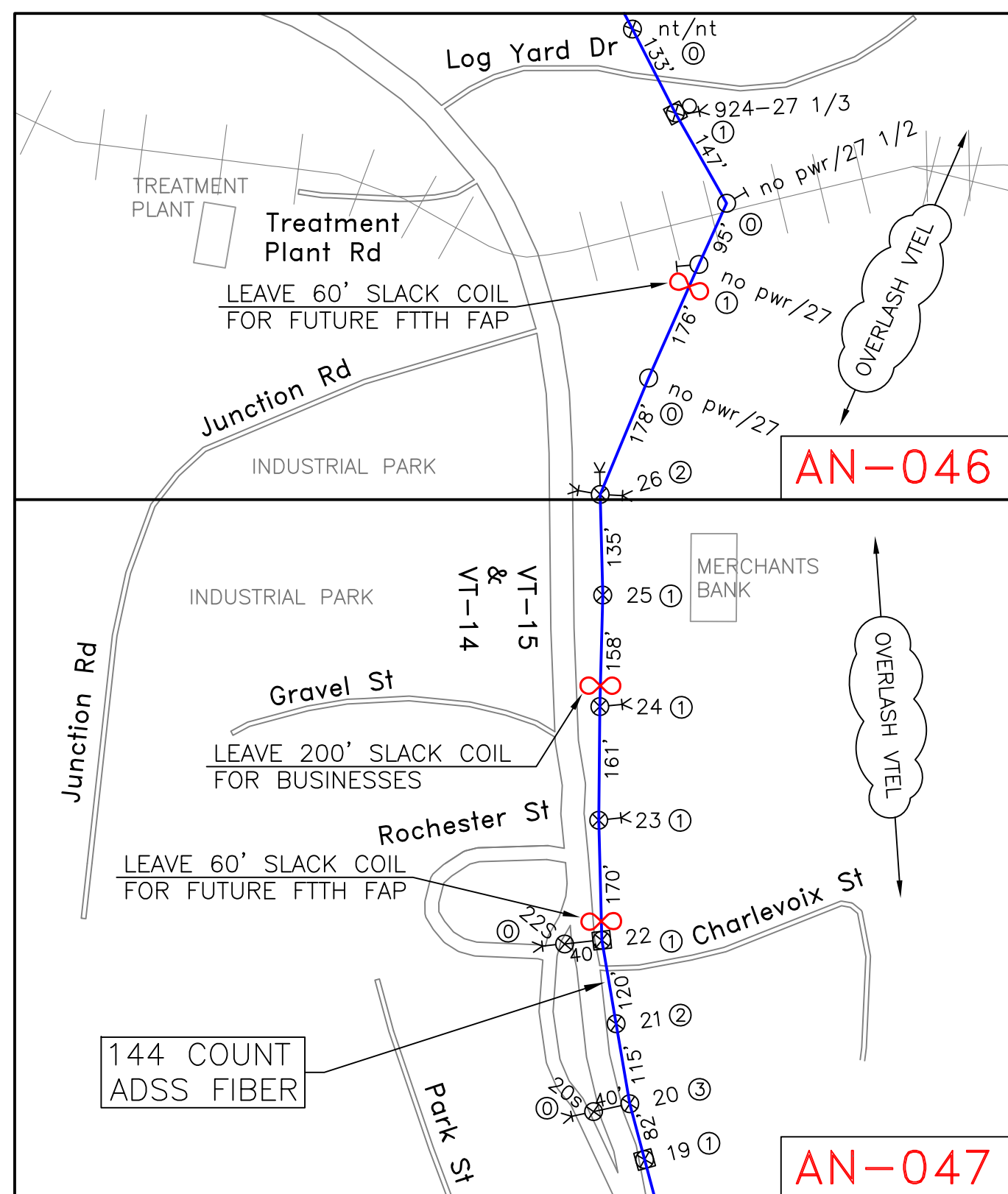
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ



DRAWING NO.  
**AN-048**

SHEET 16 OF 95



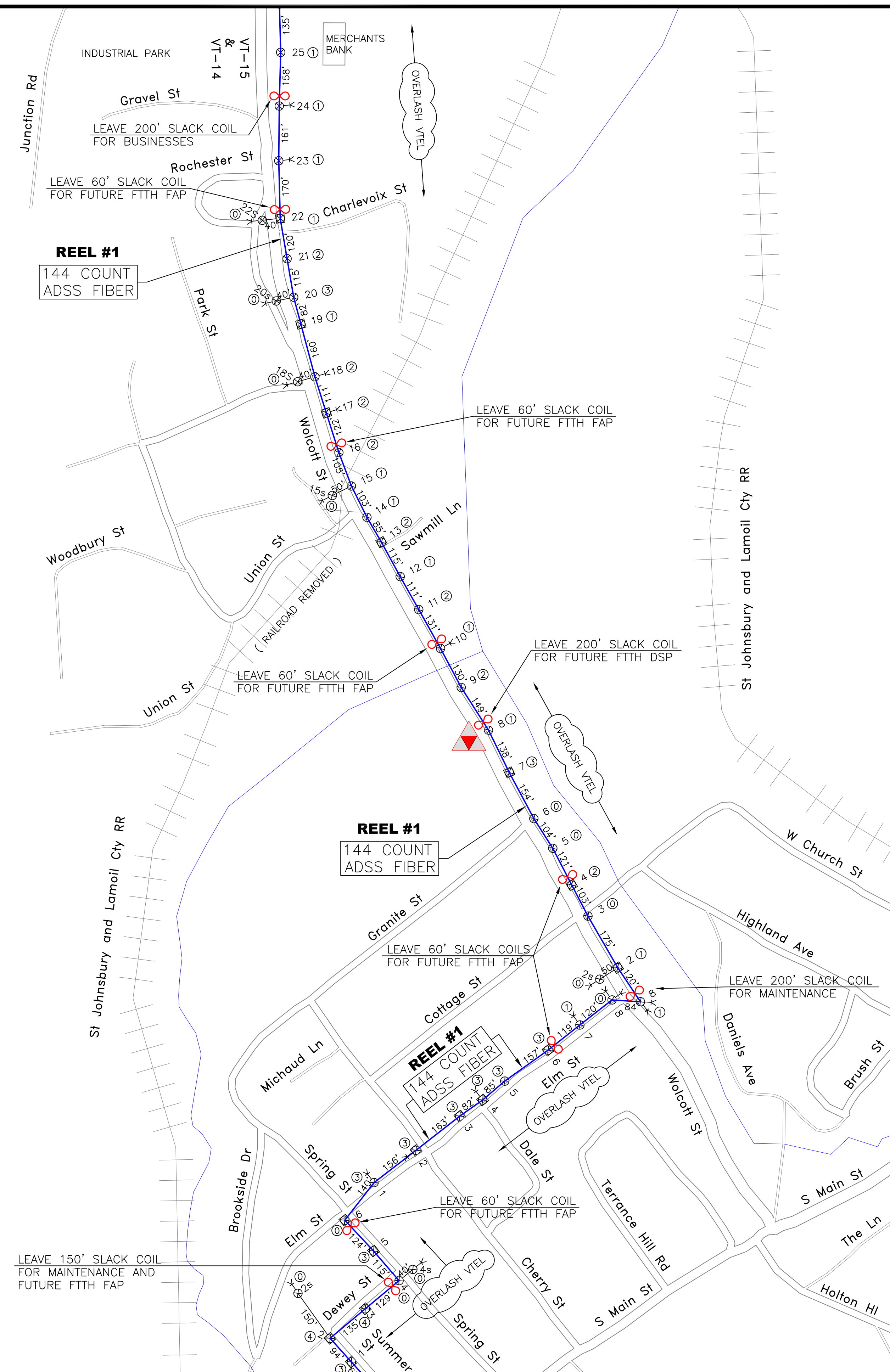


INDUSTRIAL PARK INSET MAP

AN-047

**DO NOT BUILD SLACK COILS IN SAME LOCATIONS AS VTEL SLACK COILS**

**OVERLASH FIBER ONTO VTEL LINE THIS ENTIRE MAP**



AM-046	AN-046	AO-046
AM-047	<b>AN-047</b>	AO-047
AM-048	AN-048	AO-048

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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,942'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	46

Strand span distances do not include sag % tolerance.

**Vermont Telecommunications Authority**

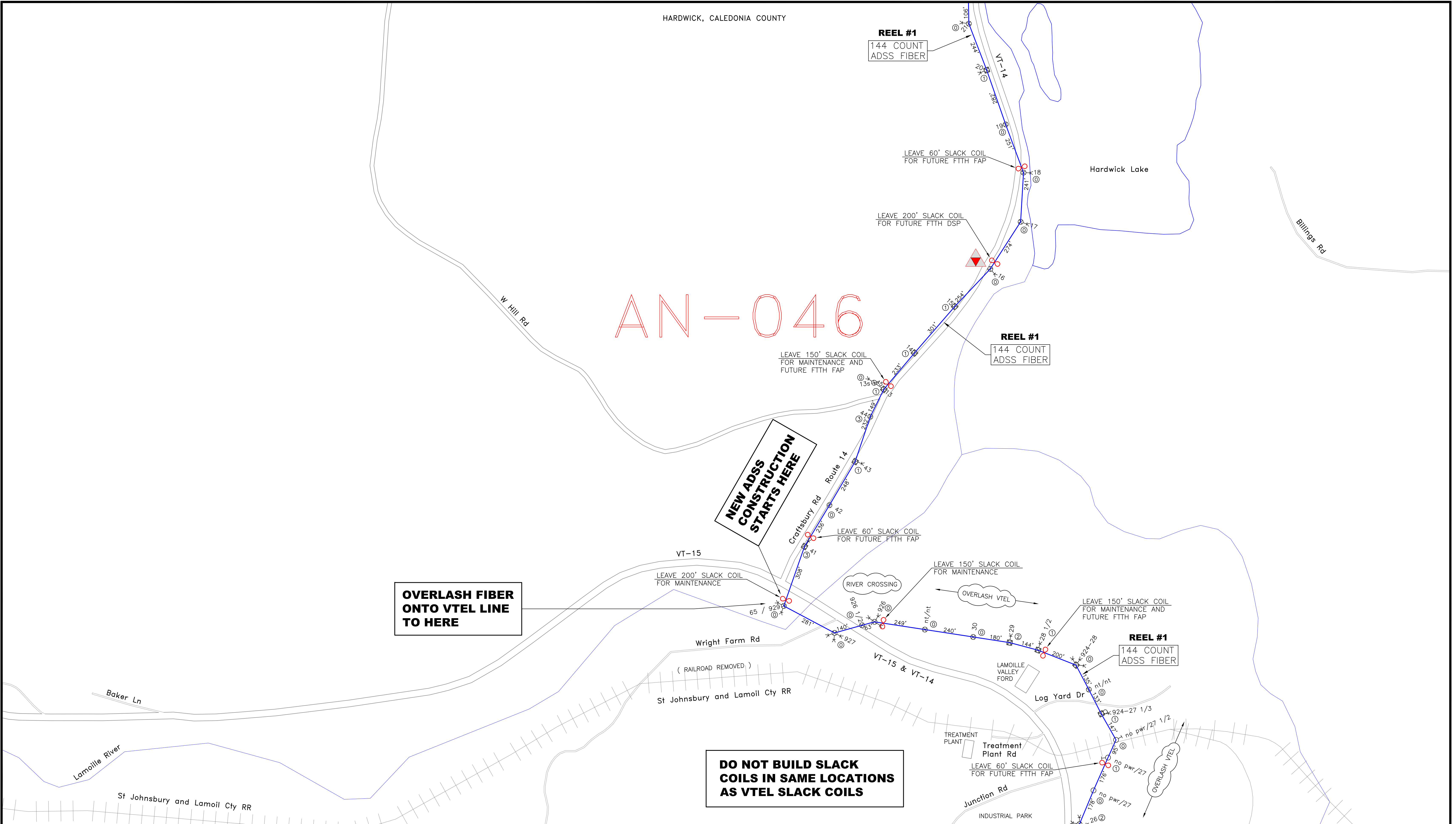
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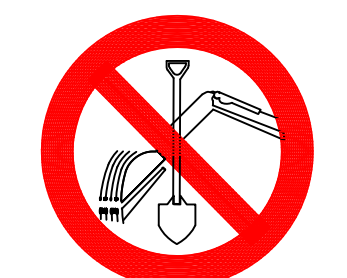
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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
DRAWING NO.	AN-047		SHEET 17 OF 95

# AN-046



AM-045	AN-045	AO-045
AM-046	<b>AN-046</b>	AO-046
AM-047	AN-047	AO-047

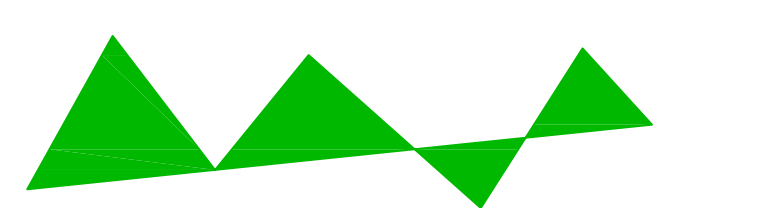


CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	5,727'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	29

Strand span distances do not include sag % tolerance.



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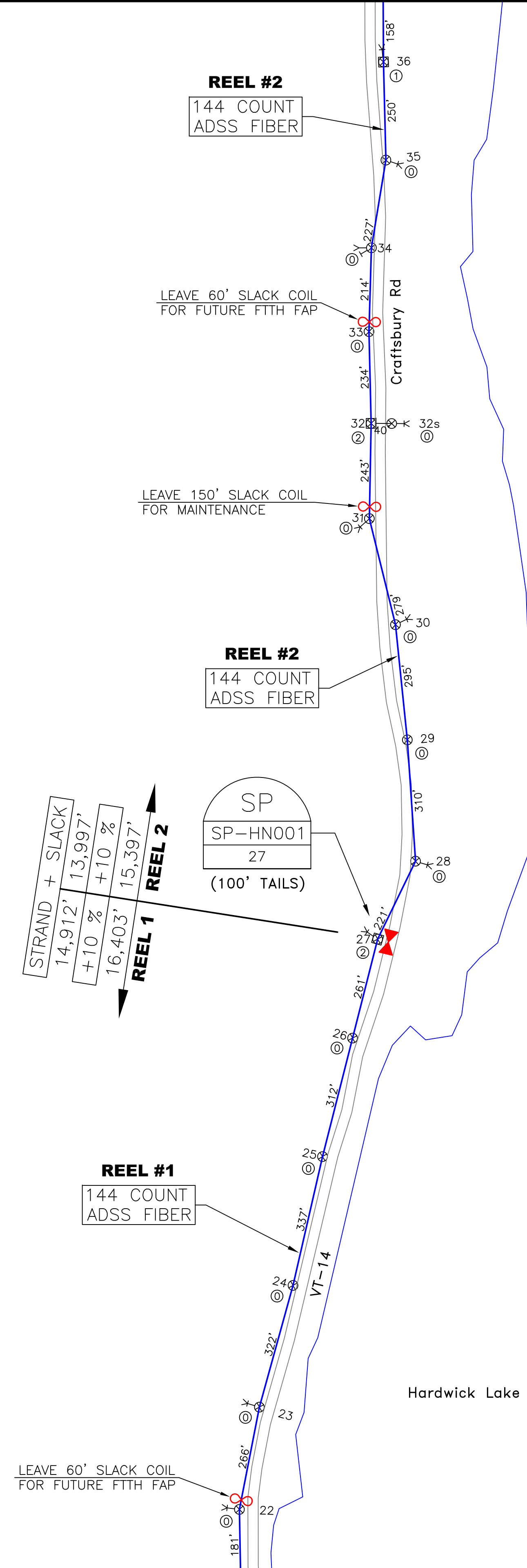


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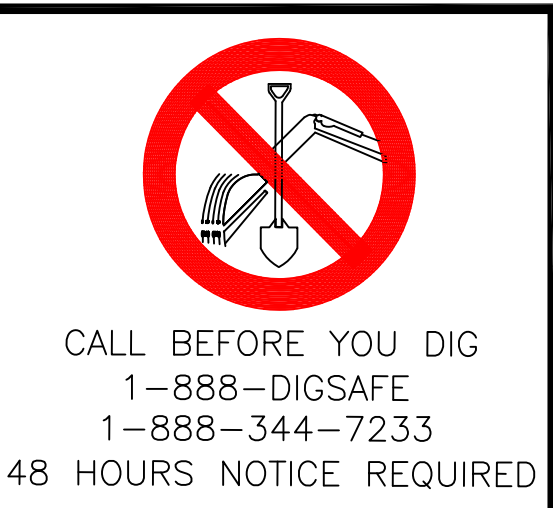
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
DRAWING NO.	AN-046		SHEET 18 OF 95

AN-045



SEE SHEET 73  
SP-HN001  
SPLICE DETAIL

AM-044	AN-044	AO-044
AM-045	AN-045	AO-045
AM-046	AN-046	AO-046



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,109'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	16

Strand span distances do not include sag % tolerance.

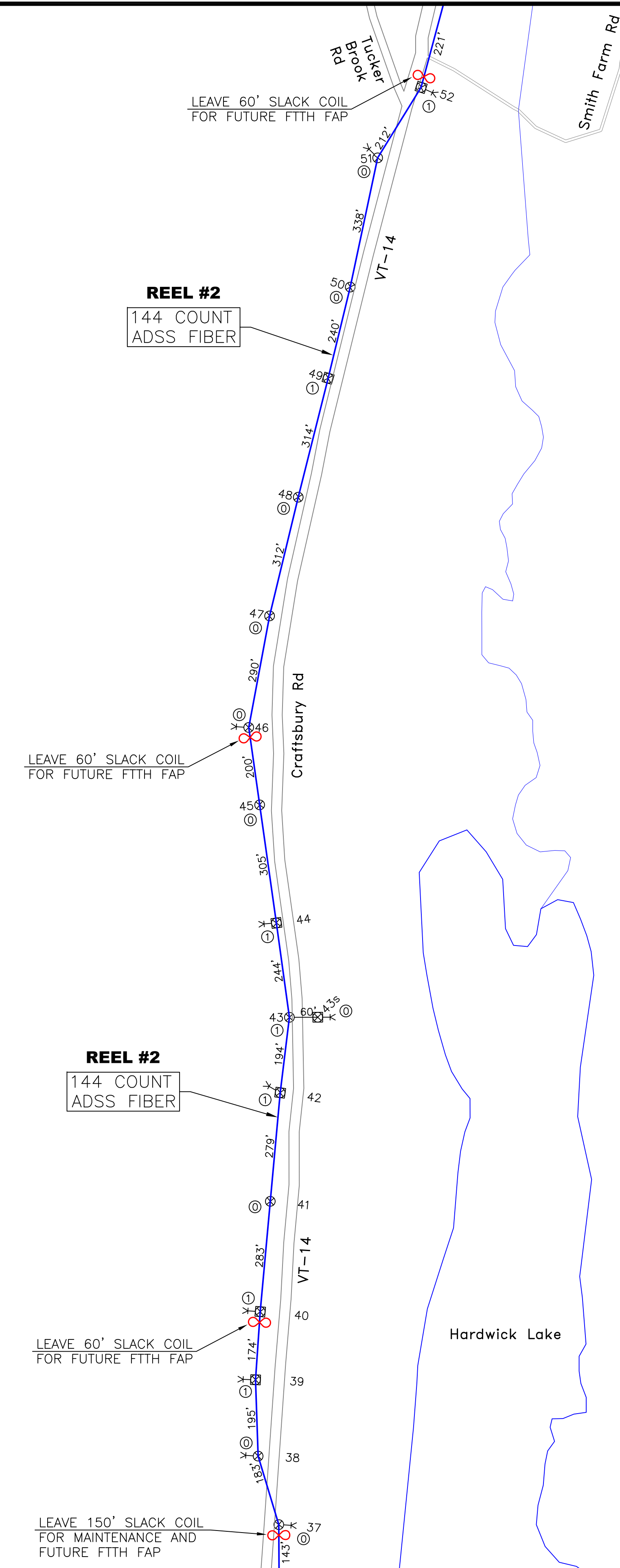
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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. AN-045
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ

SHEET 19 OF 95

# AN-044



AM-043	AN-043	AO-043
AM-044	<b>AN-044</b>	AO-044
AM-045	AN-045	AO-045

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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,127'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	17

Strand span distances do not include sag % tolerance.

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**MATRIX DESIGN GROUP**

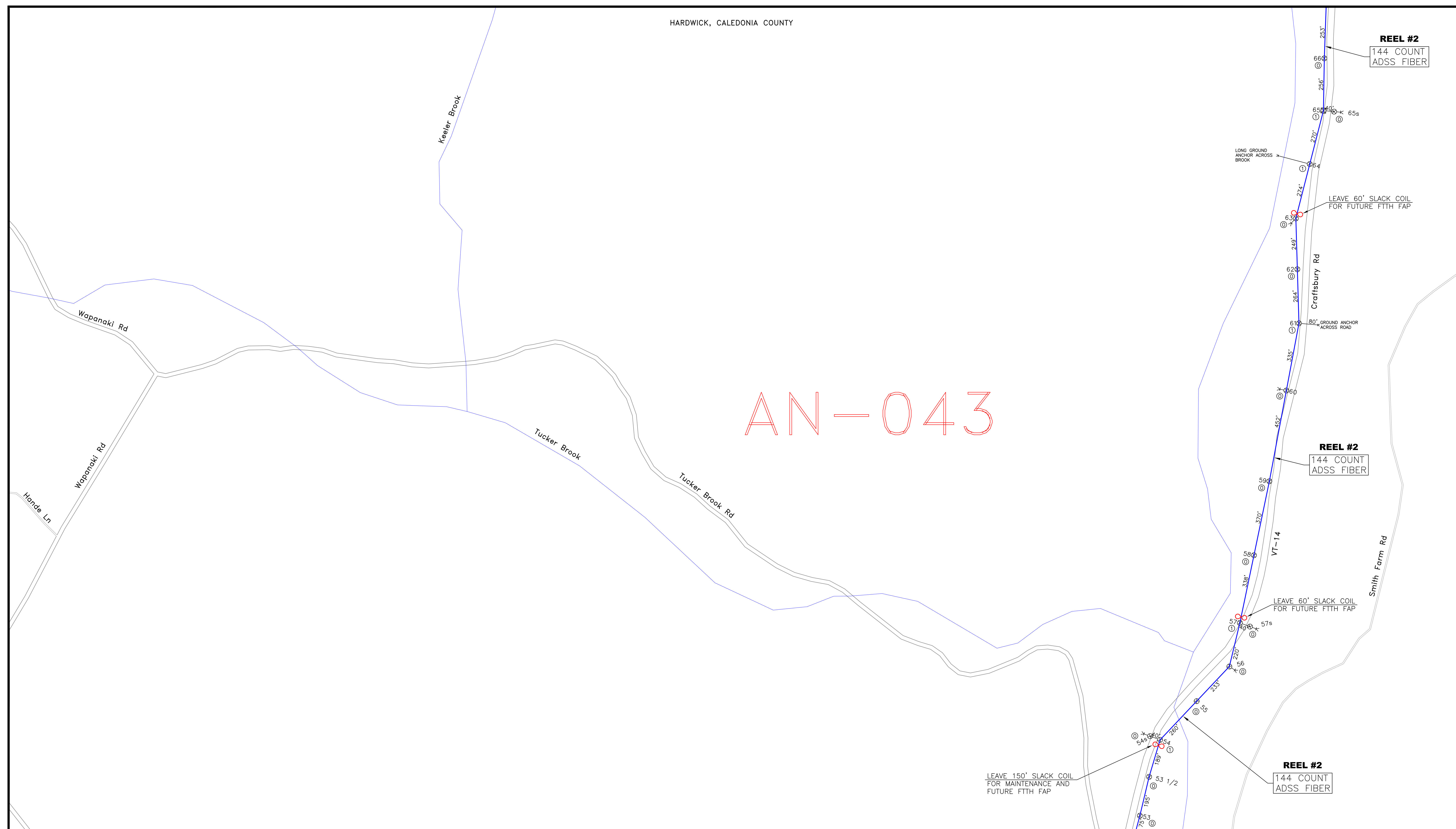
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ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ

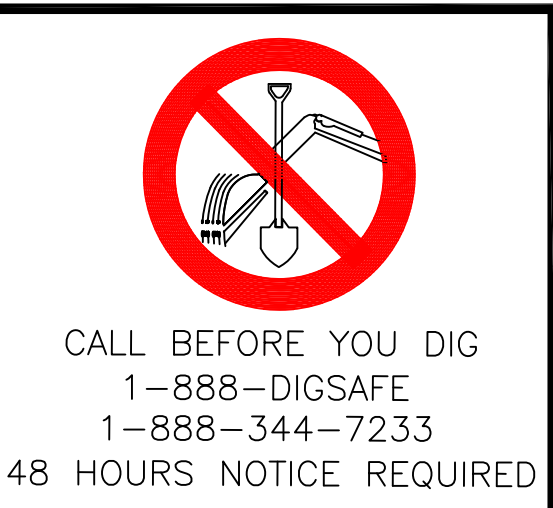
DRAWING NO.  
**AN-044**

SHEET 20 OF 95

# AN-043



AM-042	AN-042	AO-042
AM-043	<b>AN-043</b>	AO-043
AM-044	AN-044	AO-044



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,233'
TOTAL STRAND FOOTAGE - (THIS SHEET)	218,749'
POLE COUNT - (THIS SHEET)	18

Strand span distances do not include sag % tolerance.

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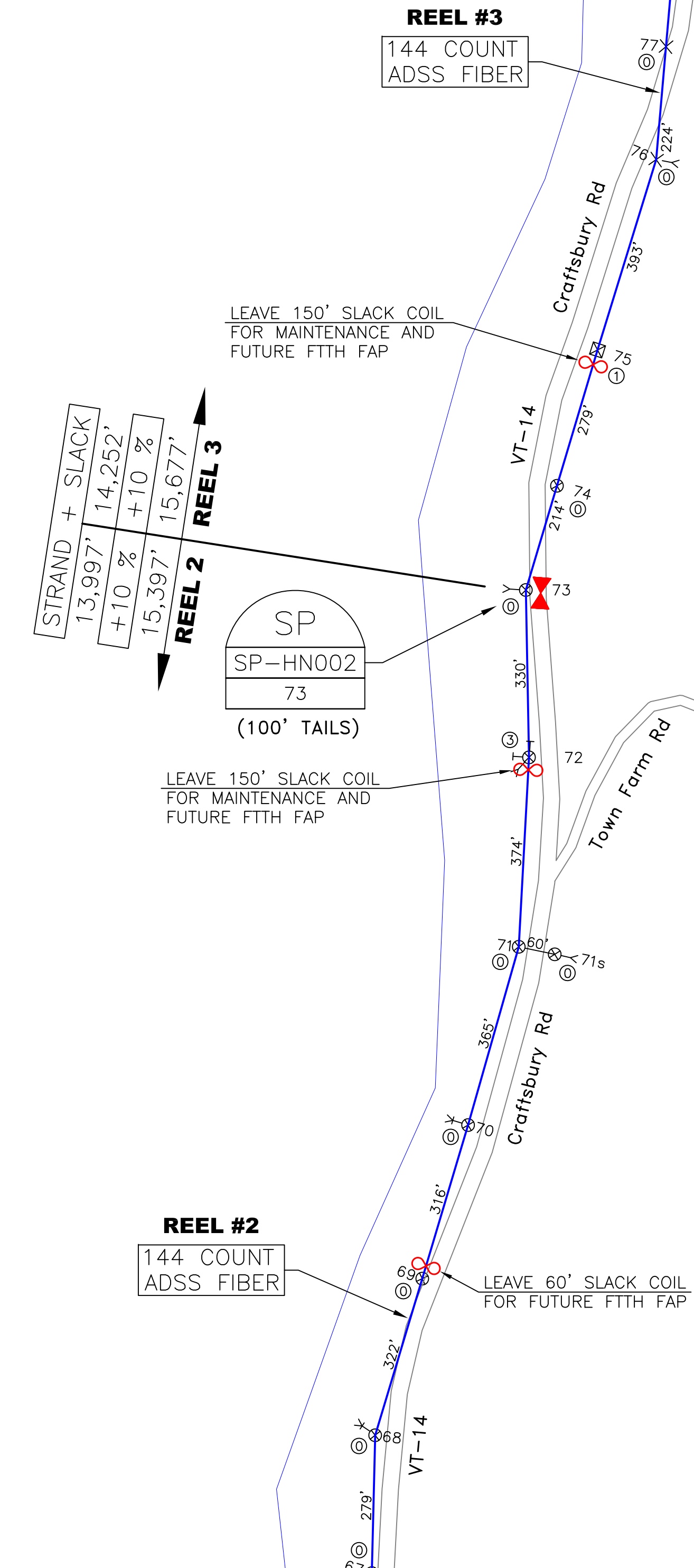
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AN-043</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			DRAWING NO. <b>AN-043</b> SHEET 21 OF 95

WOLCOTT - LAMOILLE COUNTY  
HARDWICK - CALEDONIA COUNTY

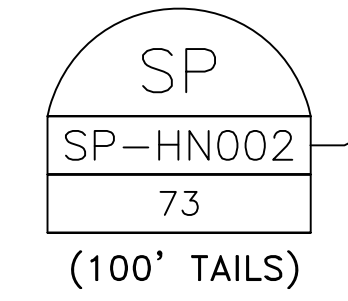
AN-042

Keeler Brook

SEE SHEET 74  
SP-HN002  
SPLICE DETAIL



STRAND + SLACK	13,997'	14,252'
+10 %	+10 %	+10 %
REEL 2	15,397'	15,677'
REEL 3		



AM-041	AN-041	AO-041
AM-042	AN-042	AO-042
AM-043	AN-043	AO-043

CALL BEFORE YOU DIG  
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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	3,857'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	14

Strand span distances do not include sag % tolerance.

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DESIGN GROUP

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		N ↑ ↓
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
DRAWING NO.			AN-042
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 22 OF 95

REEL #3

144 COUNT  
ADSS FIBER

Craftsbury Rd  
VT-14

Simpson Ln

AO-042

Town Farm Rd

Bridgman Hill Rd

AN-041	AO-041	AP-041
AN-042	<b>AO-042</b>	AP-042
AN-043	AO-043	AP-043

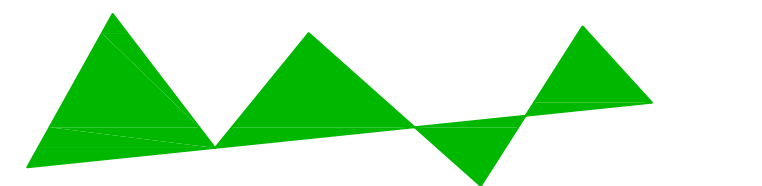


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REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	265'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	1

Strand span distances do not include sag % tolerance.



Vermont Telecommunications Authority

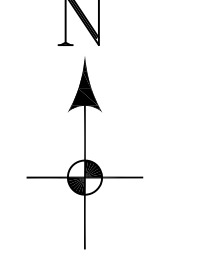
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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ



DRAWING NO.  
AO-042

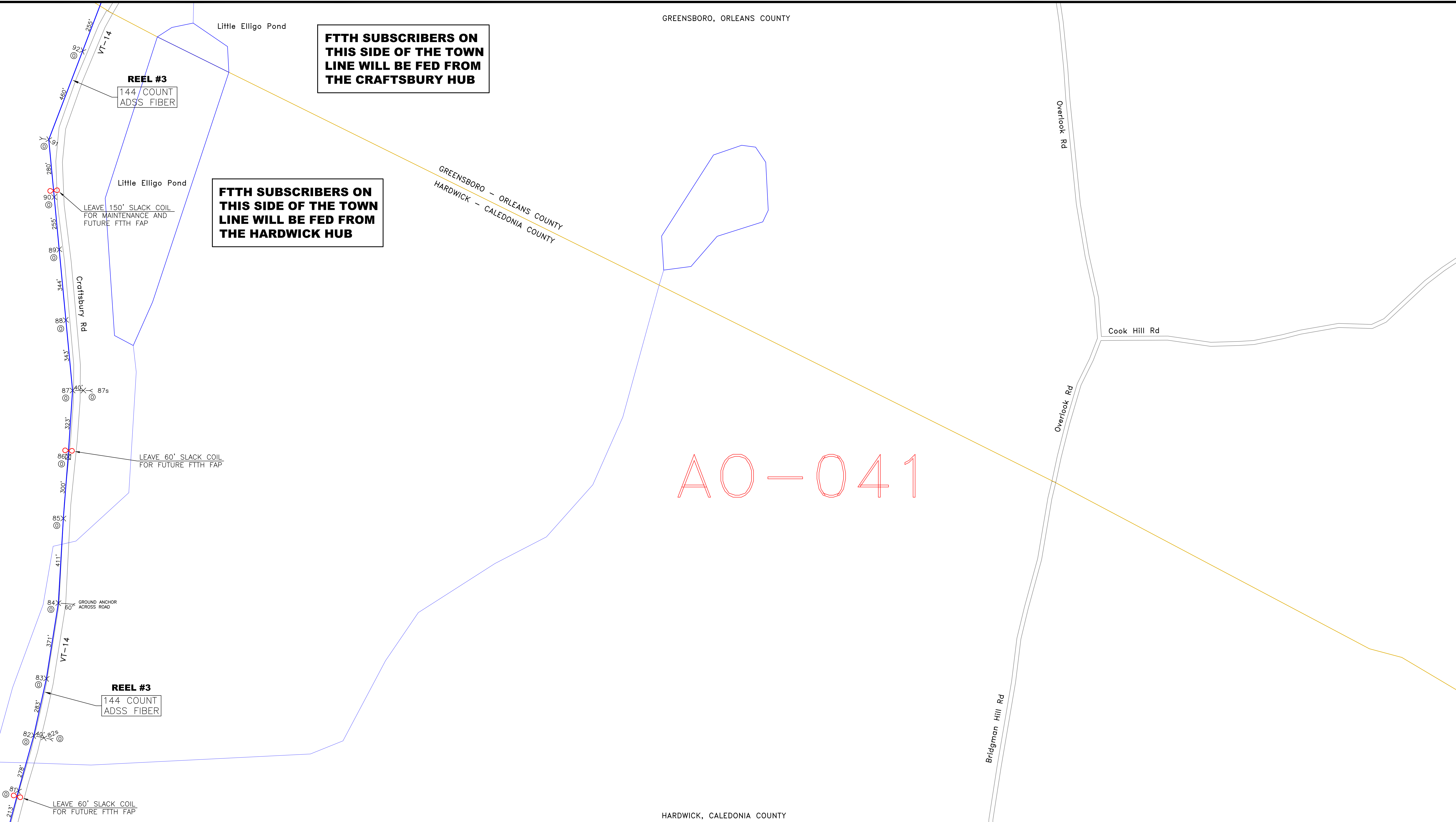
SHEET 23 OF 95

GREENSBORO, ORLEANS COUNTY

**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE CRAFTSBURY HUB**

**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE HARDWICK HUB**

AO-041



HARDWICK, CALEDONIA COUNTY

AN-040	AO-040	AP-040
AN-041	<b>AO-041</b>	AP-041
AN-042	AO-042	AP-042

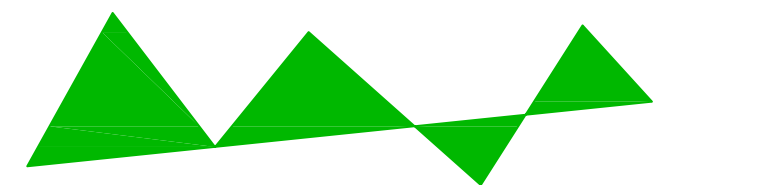


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REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,114'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	14

Strand span distances do not include sag % tolerance.



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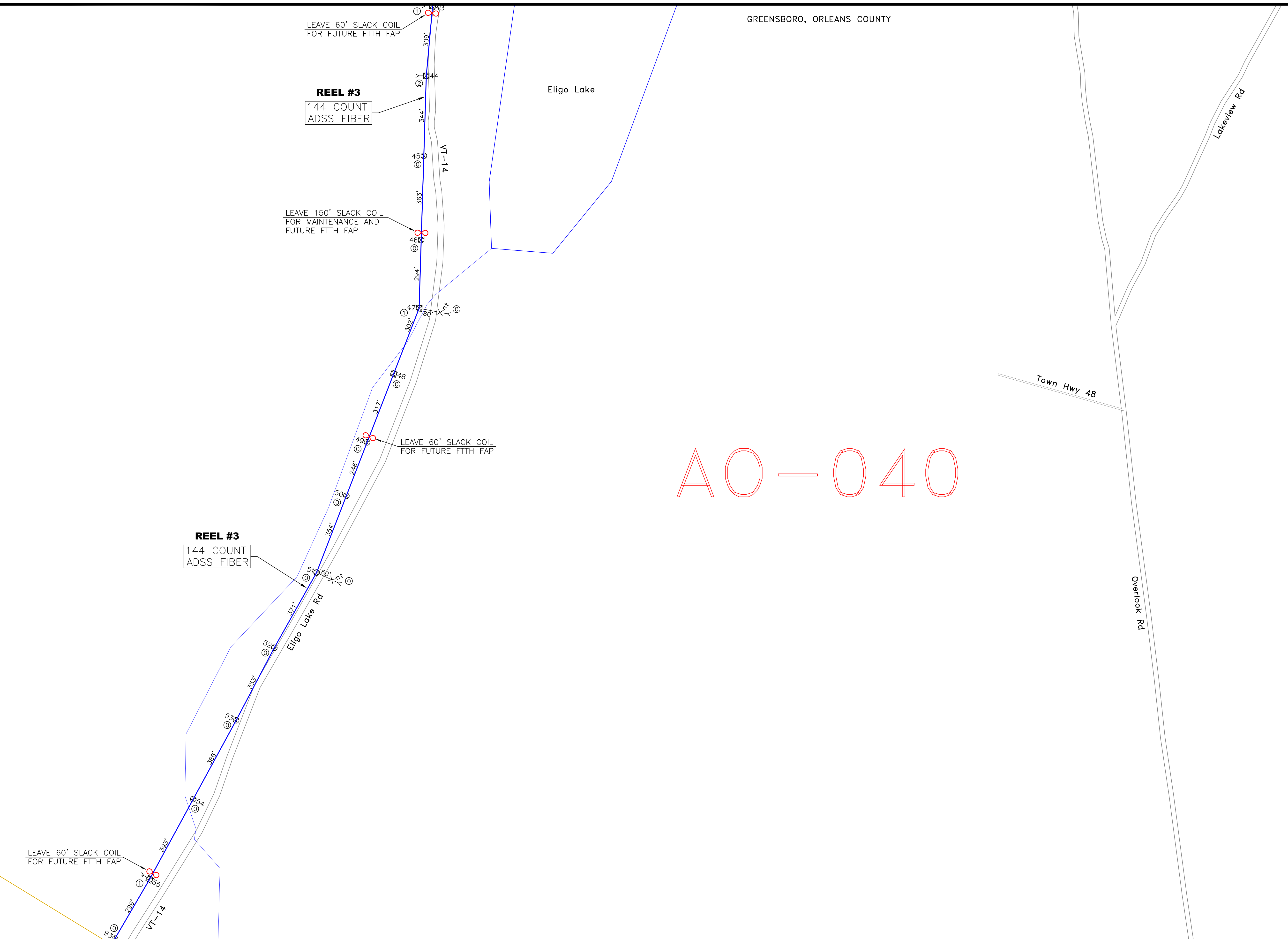


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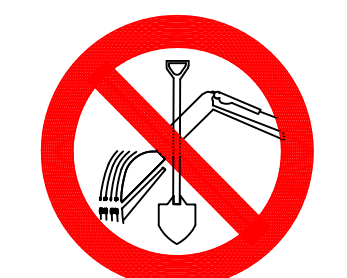
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AO-041</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 24 OF 95





AO-040

AN-039	AO-039	AP-039
AN-040	<b>AO-040</b>	AP-040
AN-041	AO-041	AP-041

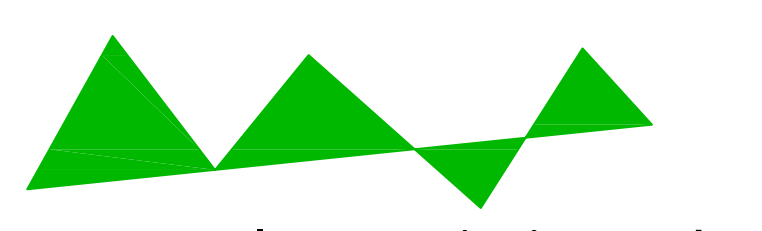


CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,339'
TOTAL STRAND FOOTAGE - (THIS SHEET)	218,749'
POLE COUNT - (THIS SHEET)	16

Strand span distances do not include sag % tolerance.



Vermont Telecommunications Authority

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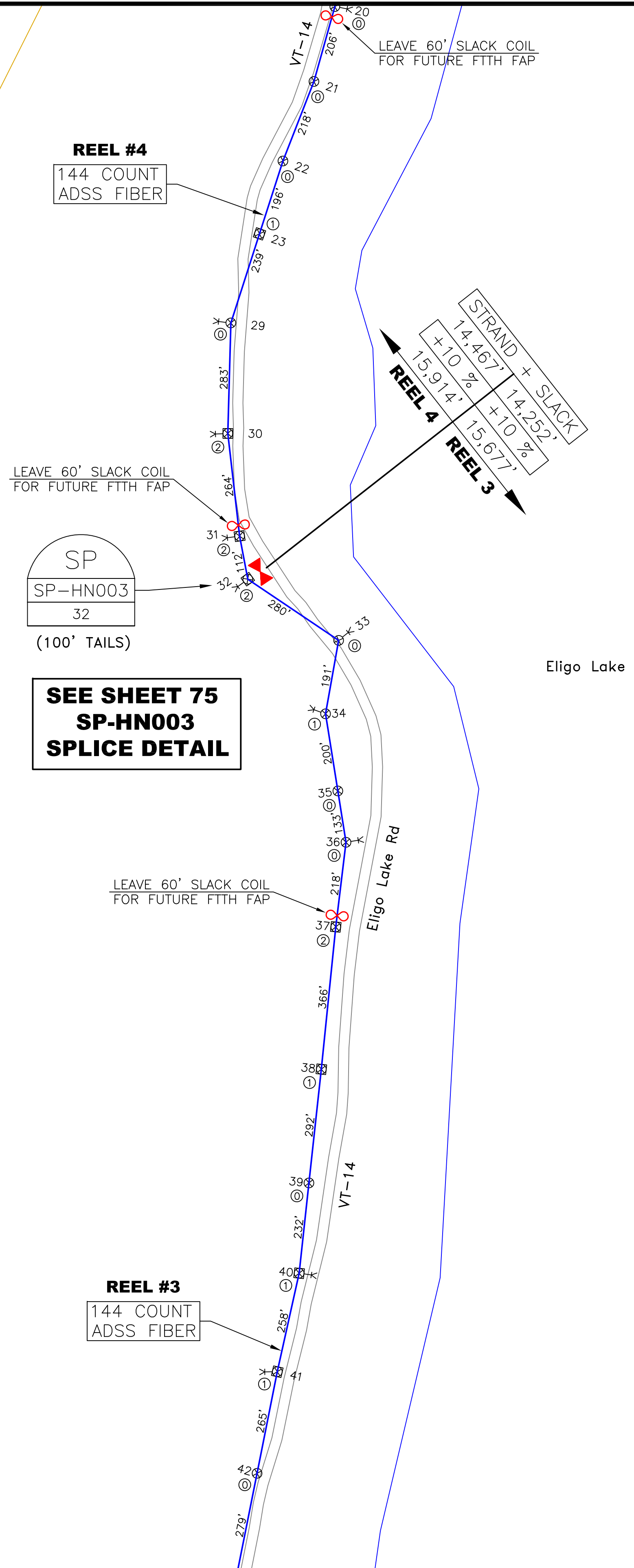
**MATRIX**  
DESIGN GROUP

415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AO-040</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 25 OF 95


GREENSBORO, ORLEANS COUNTY

CRAFTSBURY  
GREENSBORO



AO-039

AN-038	AO-038	AP-038
AN-039	<b>AO-039</b>	AP-039
AN-040	AO-040	AP-040

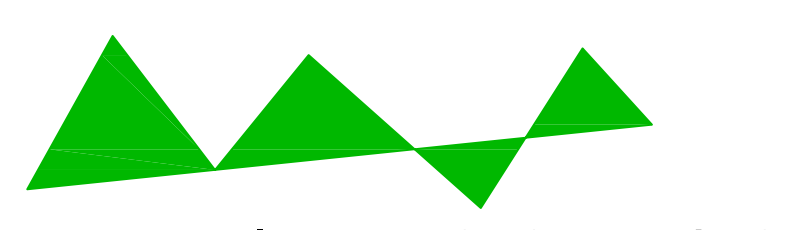


CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,232'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	18

Strand span distances do not include sag % tolerance.



Vermont Telecommunications Authority

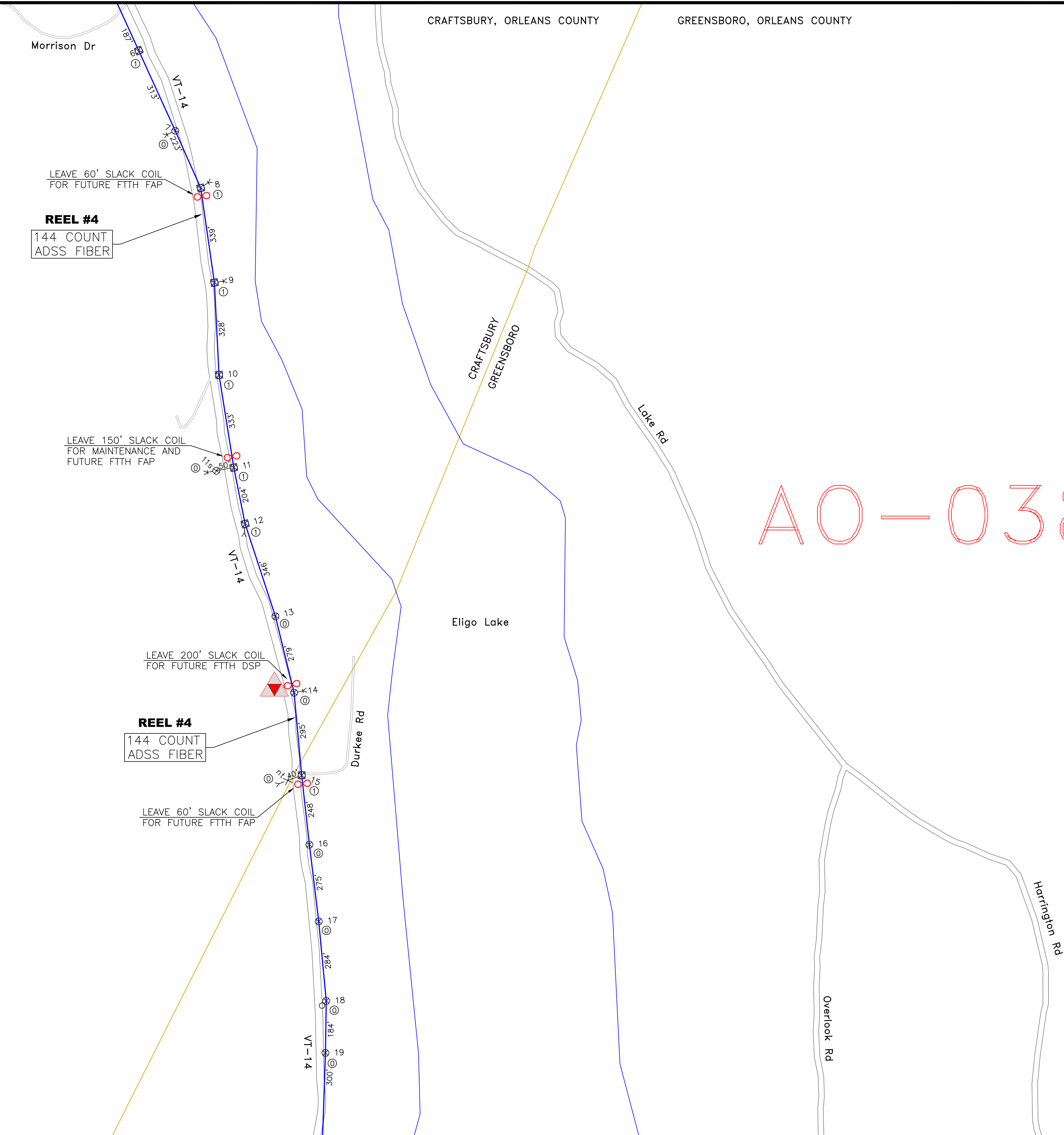
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**MATRIX**  
DESIGN GROUP

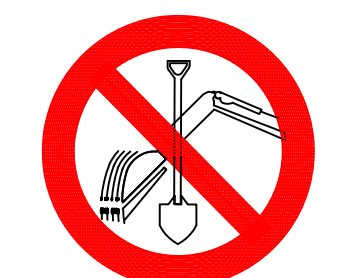
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AO-039</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 26 OF 95



AO-038

AN-037	AO-037	AP-037
AN-038	AO-038	AP-038
AN-039	AO-039	AP-039

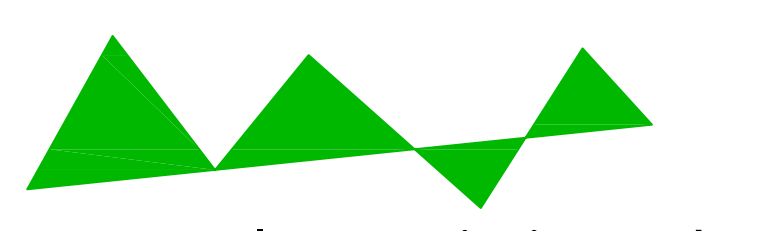


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,138'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	16

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

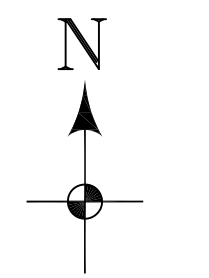
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**MATRIX DESIGN GROUP**

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ROYALTON, VERMONT 05001  
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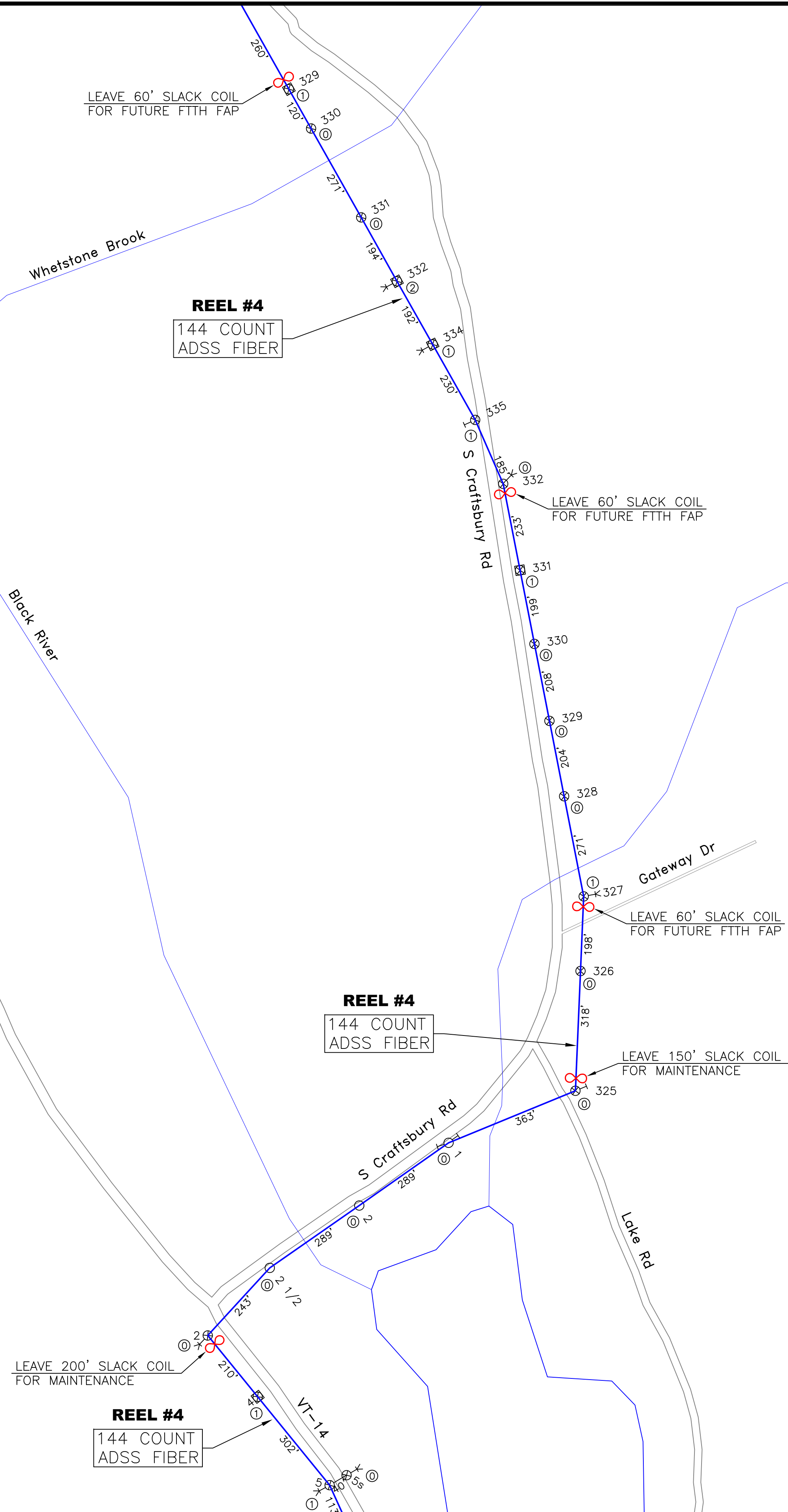
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DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ



DRAWING NO.  
**AO-038**

SHEET 27 OF 95

AO-037



AN-036	AO-036	AP-036
AN-037	<b>AO-037</b>	AP-037
AN-038	AO-038	AP-038

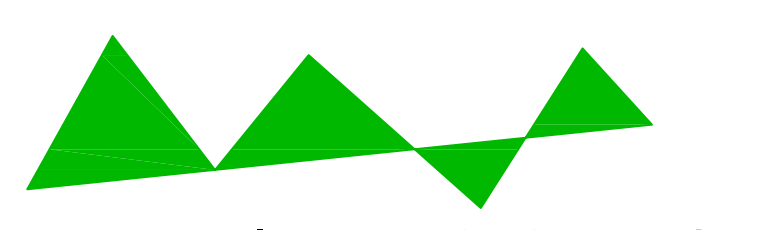


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,892'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	21

Strand span distances do not include sag % tolerance.



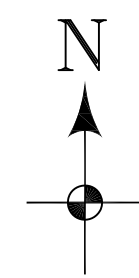
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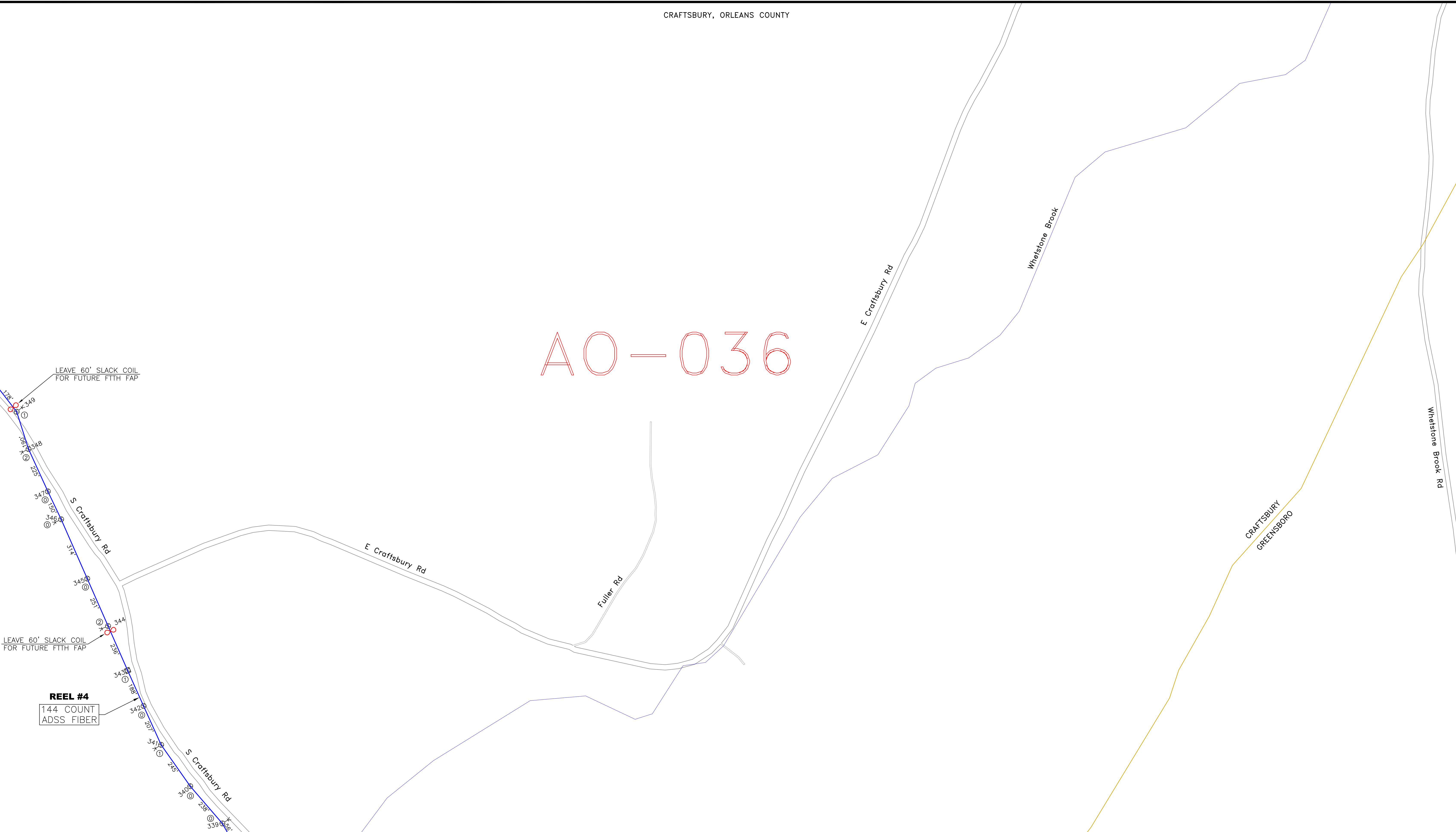


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DESIGN GROUP

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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
		DRAWING NO.	AO-037
		SHEET	28 OF 95

A0-036



AN-035	AO-035	AP-035
AN-036	<b>AO-036</b>	AP-036
AN-037	AO-037	AP-037

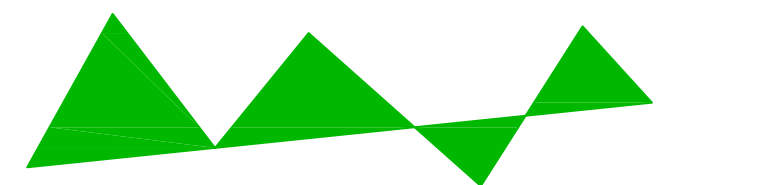


CALL BEFORE YOU DIG  
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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	2,478'
TOTAL STRAND FOOTAGE - (THIS SHEET)	218,749'
POLE COUNT - (THIS SHEET)	11

Strand span distances do not include sag % tolerance.



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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>A0-036</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 29 OF 95

AN-036

**PROVIDER  
SPLICE LOCATION**  
SEE SHEET 94  
SPLICE DETAIL SP-HN022  
&  
SHEET 12, DRAWING G11  
TYP. 3RD PARTY LATERAL  
CABLE ROUTING DETAIL

**REEL #5**  
144 COUNT  
ADSS FIBER

**REEL #5**  
144 COUNT  
ADSS FIBER

**SEE SHEET 76  
SP-HN004  
SPLICE DETAIL**

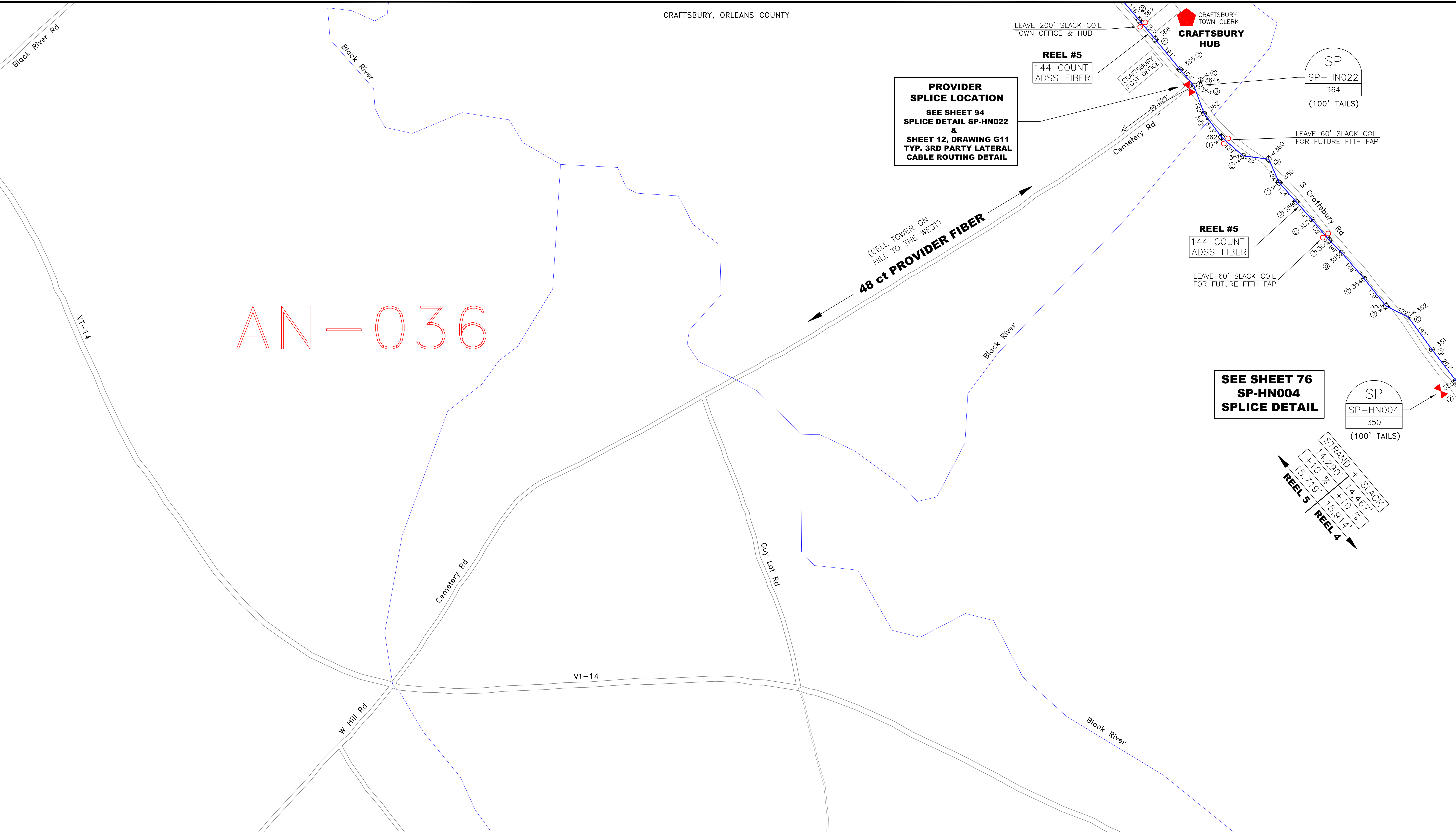
LEAVE 60' SLACK COIL  
FOR FUTURE FTTH FAP

LEAVE 60' SLACK COIL  
FOR FUTURE FTTH FAP


LEAVE 200' SLACK COIL  
TOWN OFFICE & HUB

STRAND + SLACK  
14,290' 14.467'  
+10% +10%  
15,719' 15,914'  
**REEL 5** **REEL 4**

(CELL TOWER ON  
HILL TO THE WEST)  
**48 ct PROVIDER FIBER**



AM-035	AN-035	AO-035
AM-036	<b>AN-036</b>	AO-036
AM-037	AN-037	AO-037

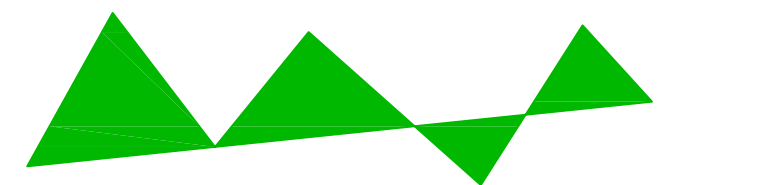


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	2,514'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	19

Strand span distances do not include sag % tolerance.



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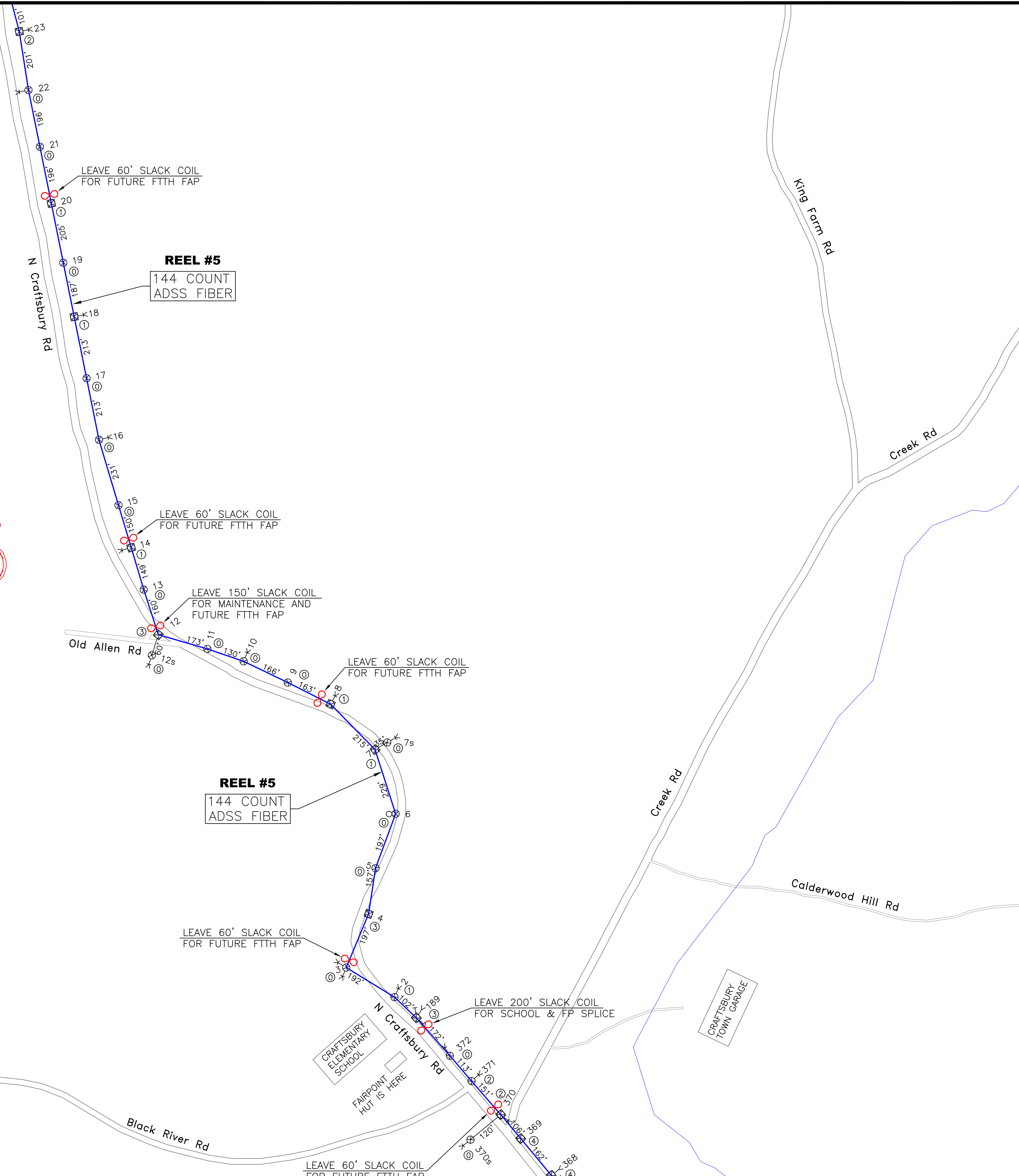


**MATRIX DESIGN GROUP**

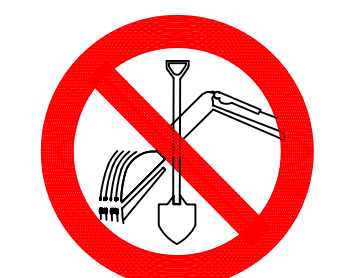
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ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
DRAWING NO.	AN-036		SHEET 30 OF 95

# AN-035



AM-034	AN-034	AO-034
AM-035	<b>AN-035</b>	AO-035
AM-036	AN-036	AO-036

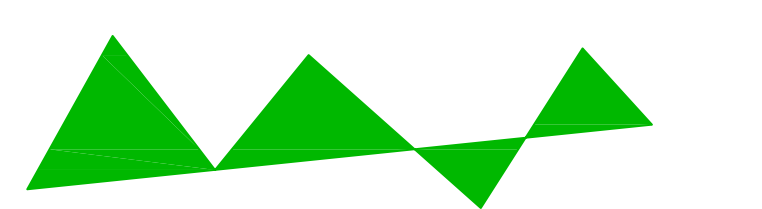


CALL BEFORE YOU DIG  
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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,898'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	31

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

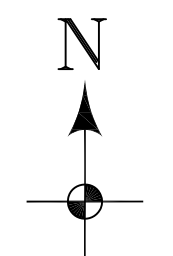
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**MATRIX DESIGN GROUP**

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ



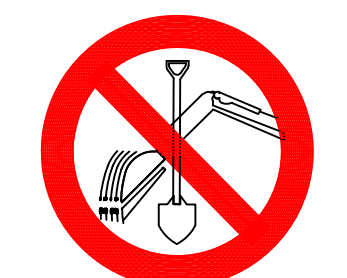
DRAWING NO.  
**AN-035**

SHEET 31 OF 95



AN-034

AM-033	AN-033	AO-033
AM-034	<b>AN-034</b>	AO-034
AM-035	AN-035	AO-035

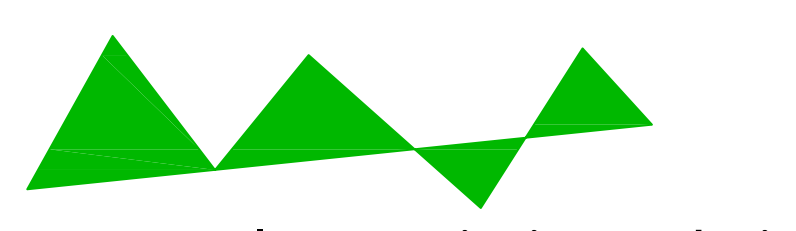


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,151'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	25

Strand span distances do not include sag % tolerance.



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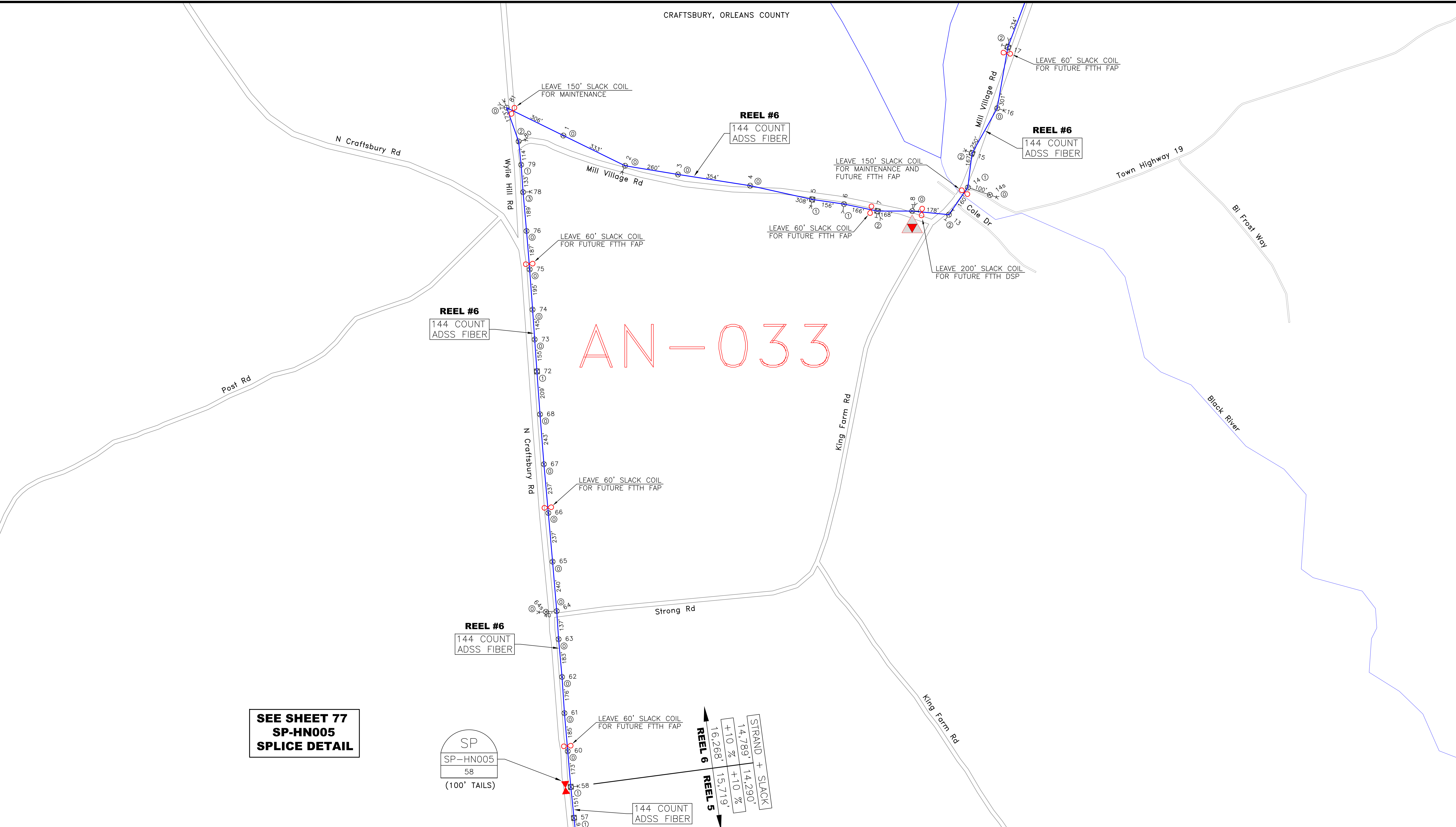
**MATRIX**  
DESIGN GROUP

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ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

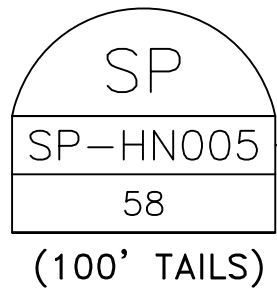
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		N ↑
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
		DRAWING NO.	AN-034
		SHEET	32 OF 95



# AN-033

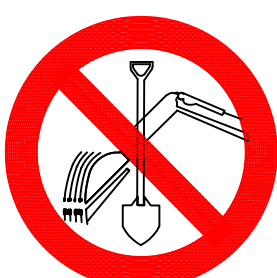


**SEE SHEET 77  
SP-HN005  
SPlice DETAIL**



STRAND + SLACK	6,882'
±10 %	14,789'
±10 %	14,290'
REEL 6	16,268'
REEL 5	15,719'

AM-032	AN-032	AO-032
AM-033	<b>AN-033</b>	AO-033
AM-034	AN-034	AO-034

  
CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

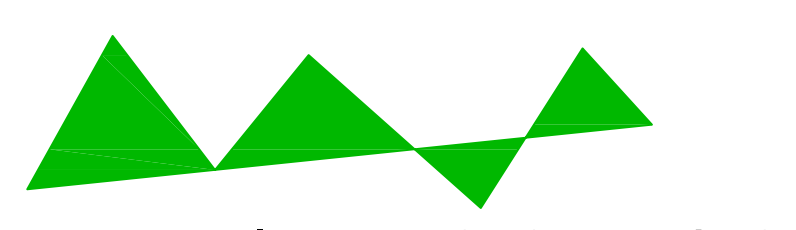
**INFORMATION**

STRAND FOOTAGE - 6,882'  
(THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)

TOTAL STRAND FOOTAGE - 218,749'

POLE COUNT - 35  
(THIS SHEET)

Strand span distances do not include sag % tolerance.



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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124			N ↑ ↓
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN			
PROJECT NO.	505.001.01	DATE:	06/01/12	DRAWING NO.
SCALE:	1"=200'	DRAWN BY:	JRF	APPROVED BY:
				MLZ
				AN-033
				SHEET 33 OF 95

CRAFTSBURY, ORLEANS COUNTY

AN-032

**REEL #6**  
144 COUNT  
ADSS FIBER

**REEL #6**  
144 COUNT  
ADSS FIBER

**CRAFTSBURY OUTDOOR CTR.**

LEAVE 60' SLACK COIL  
FOR FUTURE FTTH FAP

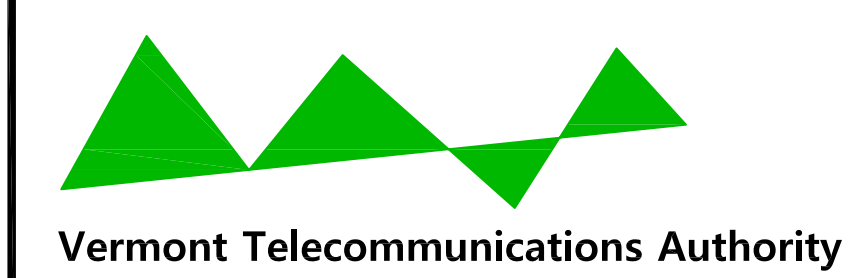
LEAVE 200' SLACK COIL  
FOR OUTDOOR CTR SPLICE

LEAVE 60' SLACK COIL  
FOR FUTURE FTTH FAP

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,202'
TOTAL STRAND FOOTAGE - (THIS SHEET)	218,749'
POLE COUNT - (THIS SHEET)	13

Strand span distances do not include sag % tolerance.



**MATRIX DESIGN GROUP**

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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AN-032</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ

CALL BEFORE YOU DIG  
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1-888-344-7233  
48 HOURS NOTICE REQUIRED

AM-031	AN-031	AO-031
AM-032	<b>AN-032</b>	AO-032
AM-033	AN-033	AO-033

AN-031

**SEE SHEET 78  
SP-HN006  
SPLICE DETAIL**

REDESIGN:  
SP-HN006 MOVED FROM  
POLE 22 / 9 1/2  
01/28/13

**REEL #7**  
144 COUNT  
ADSS FIBER

LEAVE 60' SLACK COIL  
FOR FUTURE FTTH FAP

SP  
SP-HN006  
21X/na  
(100' TAILS)

STRAND + SLACK	14,789'	14,866'
+10 %	+10 %	+10 %
<b>REEL 6</b>	16,268'	16,353'
<b>REEL 7</b>		

**REEL #6**  
144 COUNT  
ADSS FIBER

LEAVE 60' SLACK COIL  
FOR FUTURE FTTH FAP

Wylie Hill Rd

Mill Village Rd

Mill Village Rd

Little Hosmer Pond

Great Hosmer Pond

Little Hosmer Dr

AM-030	AN-030	AO-030
AM-031	<b>AN-031</b>	AO-031
AM-032	AN-032	AO-032

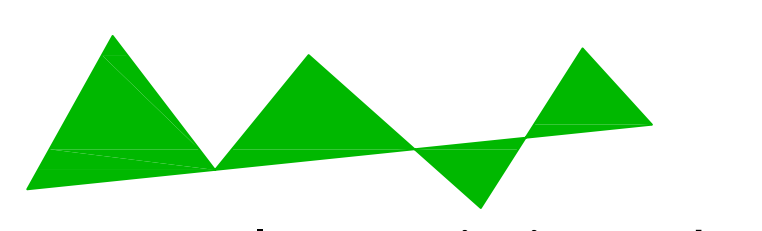


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,061'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	14

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

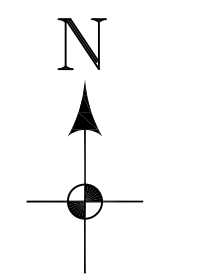
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**MATRIX DESIGN GROUP**

415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
APPROVED BY:	MLZ	



DRAWING NO.  
**AN-031**

SHEET 35 OF 95

ALBANY, ORLEANS COUNTY

CRAFTSBURY, ORLEANS COUNTY

AN-030

**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE ALBANY HUB**

**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE CRAFTSBURY HUB**

**REEL #7**  
144 COUNT  
ADSS FIBER

LEAVE 150' SLACK COIL FOR MAINTENANCE AND FUTURE FTTH FAP

**REEL #7**  
144 COUNT  
ADSS FIBER

LEAVE 150' SLACK COIL FOR MAINTENANCE AND FUTURE FTTH FAP



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,061'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	11

Strand span distances do not include sag % tolerance.

**Vermont Telecommunications Authority**

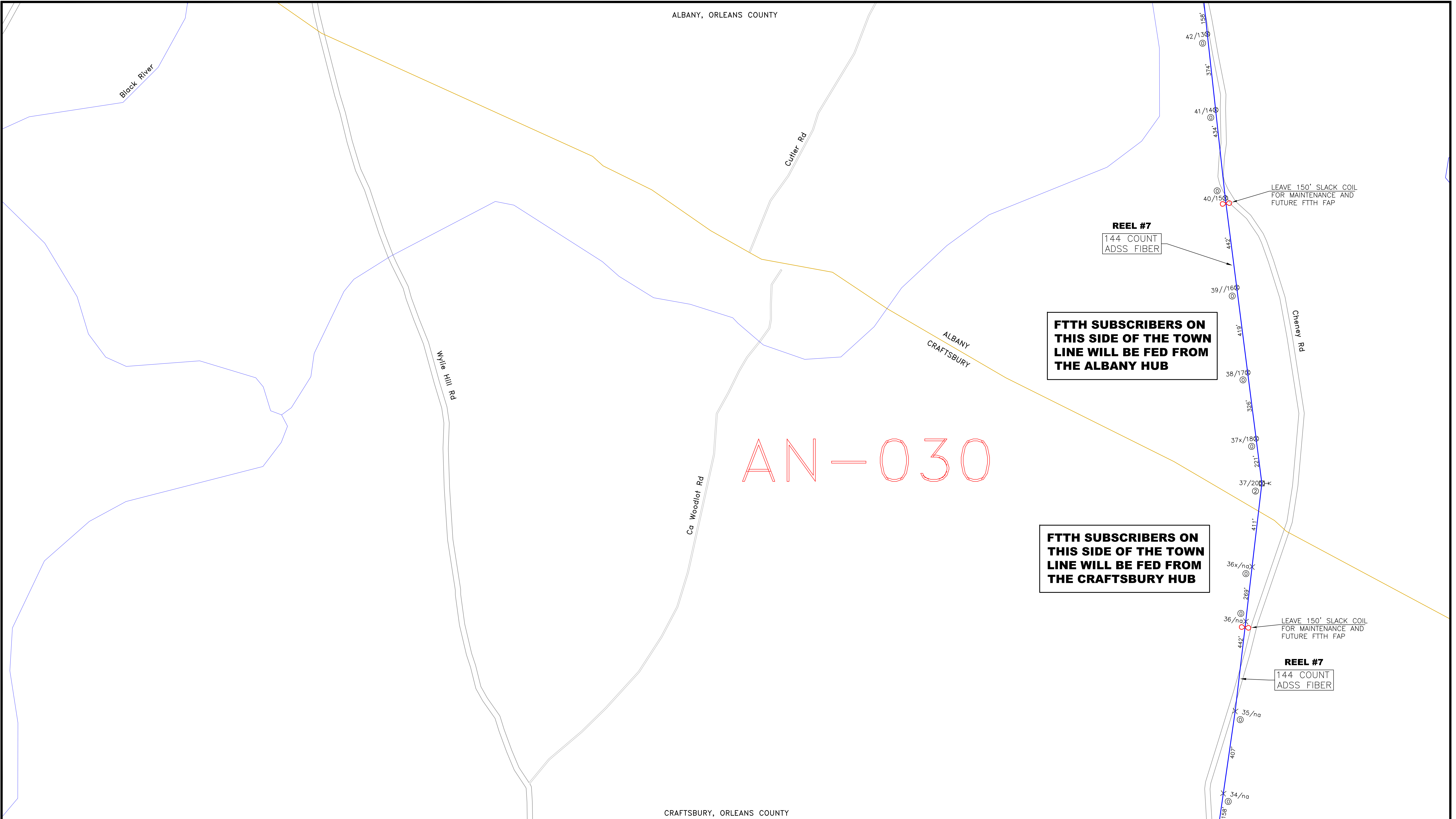
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**415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ

DRAWING NO.  
**AN-030**

SHEET 36 OF 95



AN-029

LEAVE 200' SLACK COIL FOR PROPOSED CELL SITE

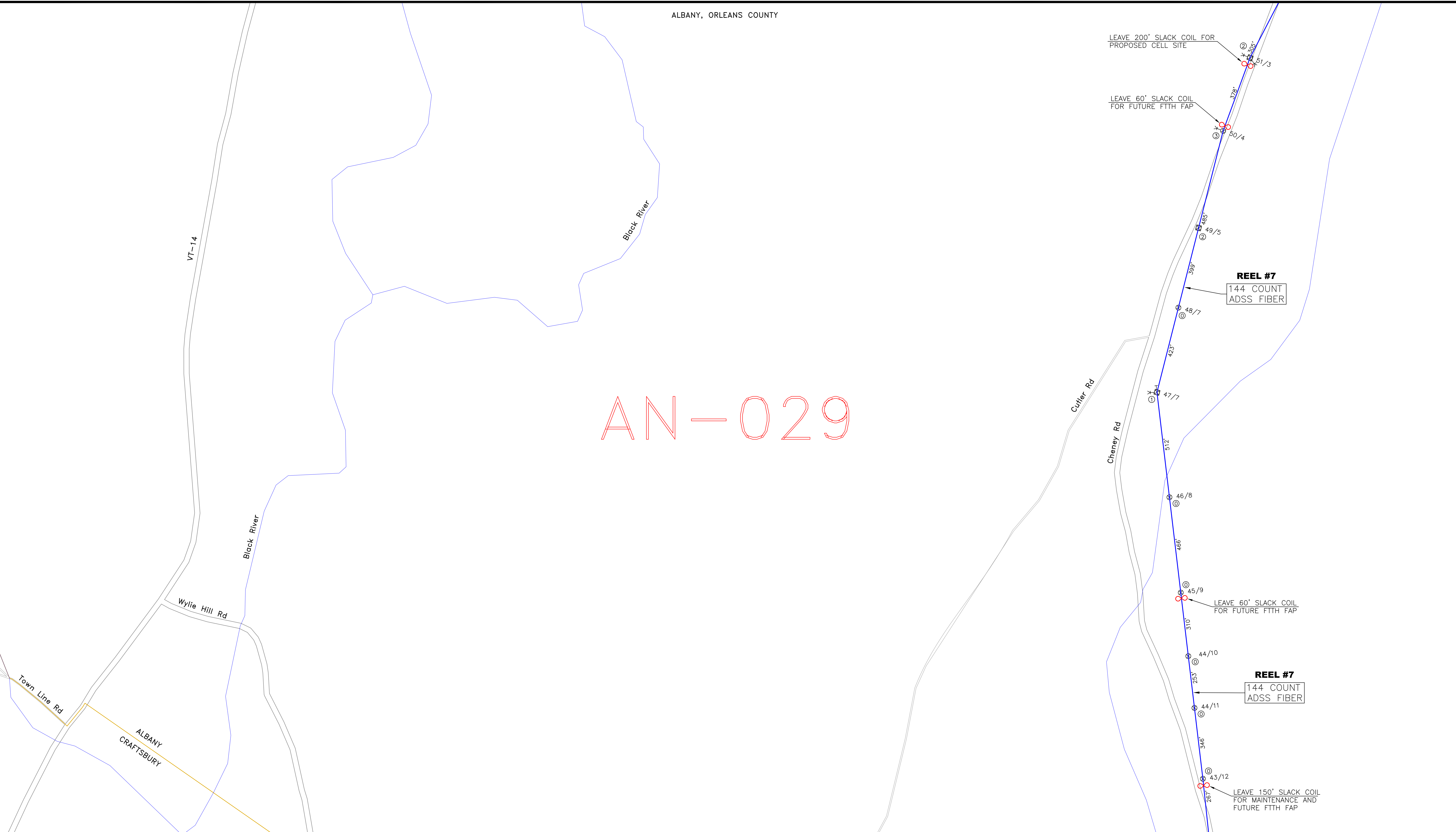
LEAVE 60' SLACK COIL FOR FUTURE FTTH FAP

REEL #7  
144 COUNT  
ADSS FIBER


REEL #7  
144 COUNT  
ADSS FIBER

LEAVE 60' SLACK COIL FOR FUTURE FTTH FAP

LEAVE 150' SLACK COIL FOR MAINTENANCE AND FUTURE FTTH FAP



AM-028	AN-028	AO-028
AM-029	<b>AN-029</b>	AO-029
AM-030	AN-030	AO-030

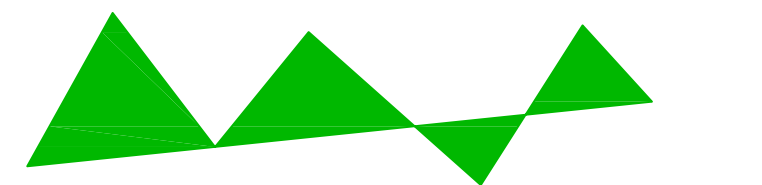


CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,143'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	10

Strand span distances do not include sag % tolerance.



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**MATRIX**  
DESIGN GROUP

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AN-029</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 37 OF 95

# AN-028

Hitchcock Hill Rd

Rogers Brook

VT-14

Bailey Hazen Rd E

Black River

**REEL #7**  
144 COUNT  
ADSS FIBER

LEAVE 60' SLACK COIL  
FOR FUTURE FTTH FAP

LEAVE 150' SLACK COIL  
FOR MAINTENANCE AND  
FUTURE FTTH FAP

**REEL #7**  
144 COUNT  
ADSS FIBER

LEAVE 60' SLACK COIL  
FOR FUTURE FTTH FAP

Center Rd

Page Pond Rd

Cheney Rd

Page Pond

AM-027	AN-027	AO-027
AM-028	<b>AN-028</b>	AO-028
AM-029	AN-029	AO-029



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	2,108'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	5

Strand span distances do not include sag % tolerance.

**Vermont Telecommunications Authority**

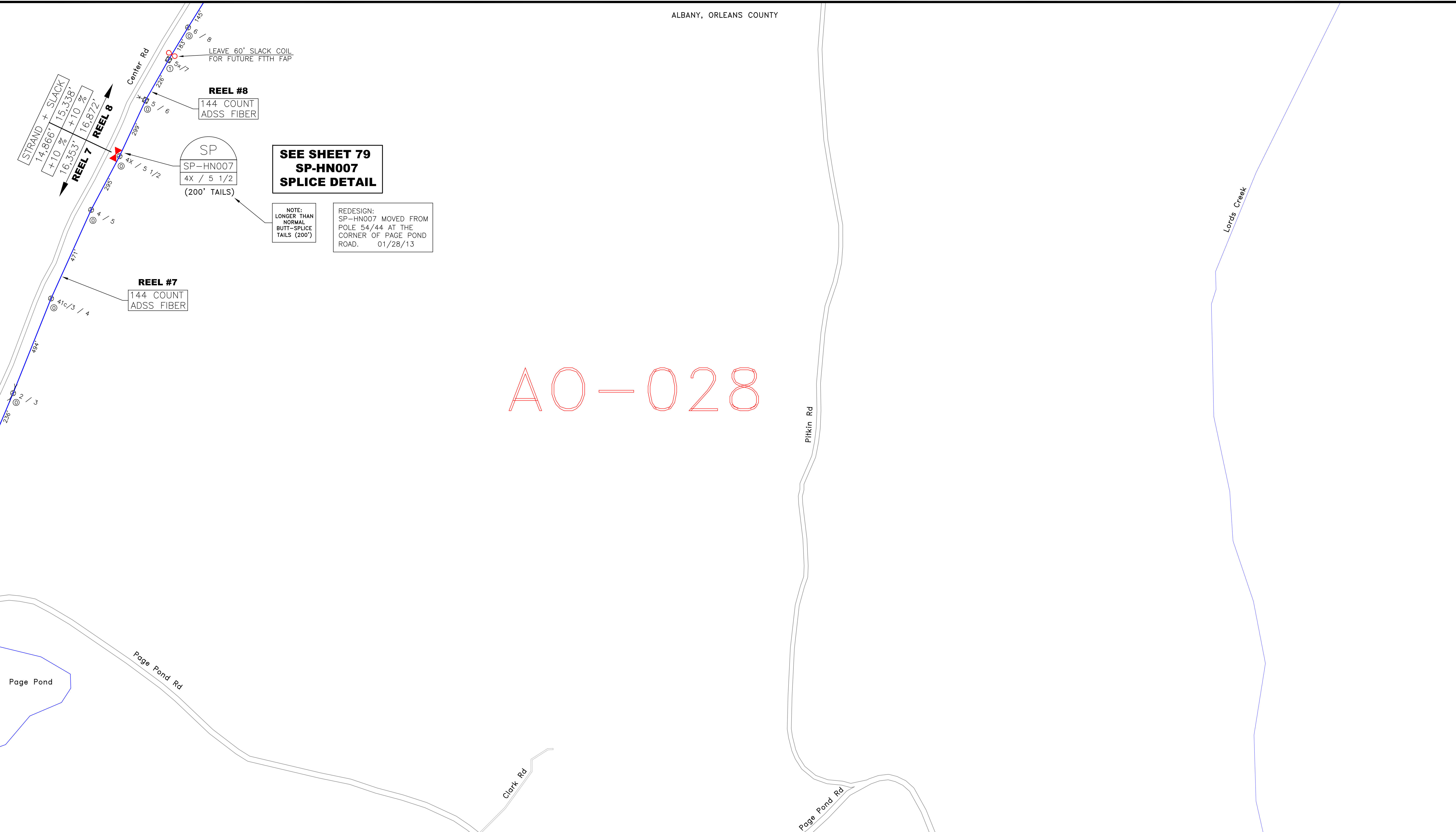
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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ

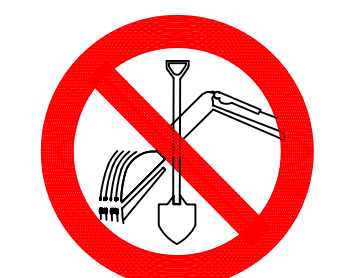
DRAWING NO.  
**AN-028**

SHEET 38 OF 95



AO-028

AN-027	AO-027	AP-027
AN-028	AO-028	AP-028
AN-029	AO-029	AP-029

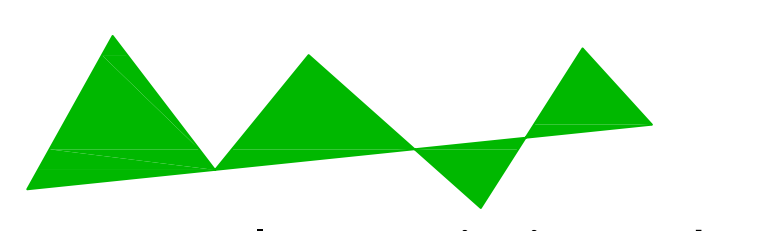


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	2,349'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	7

Strand span distances do not include sag % tolerance.



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**MATRIX DESIGN GROUP**

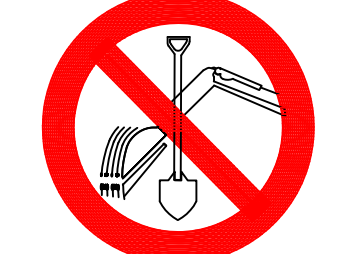
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		N ↑ ↓ N
DRAWING TITLE: FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO. 505.001.01	DATE: 06/01/12	DRAWING NO. AO-028
SCALE: 1"=200'	DRAWN BY: JRF	APPROVED BY: MLZ
		SHEET 39 OF 95



AO-027

AN-026	AO-026	AP-026
AN-027	<b>AO-027</b>	AP-027
AN-028	AO-028	AP-028

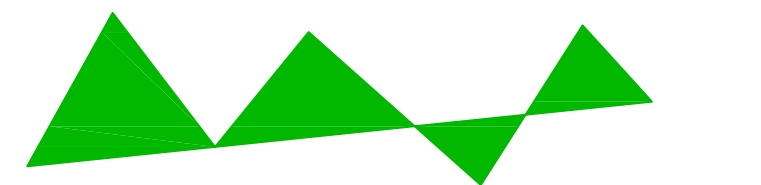


CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	7,978'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	27

Strand span distances do not include sag % tolerance.



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DESIGN GROUP

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AO-027</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 40 OF 95



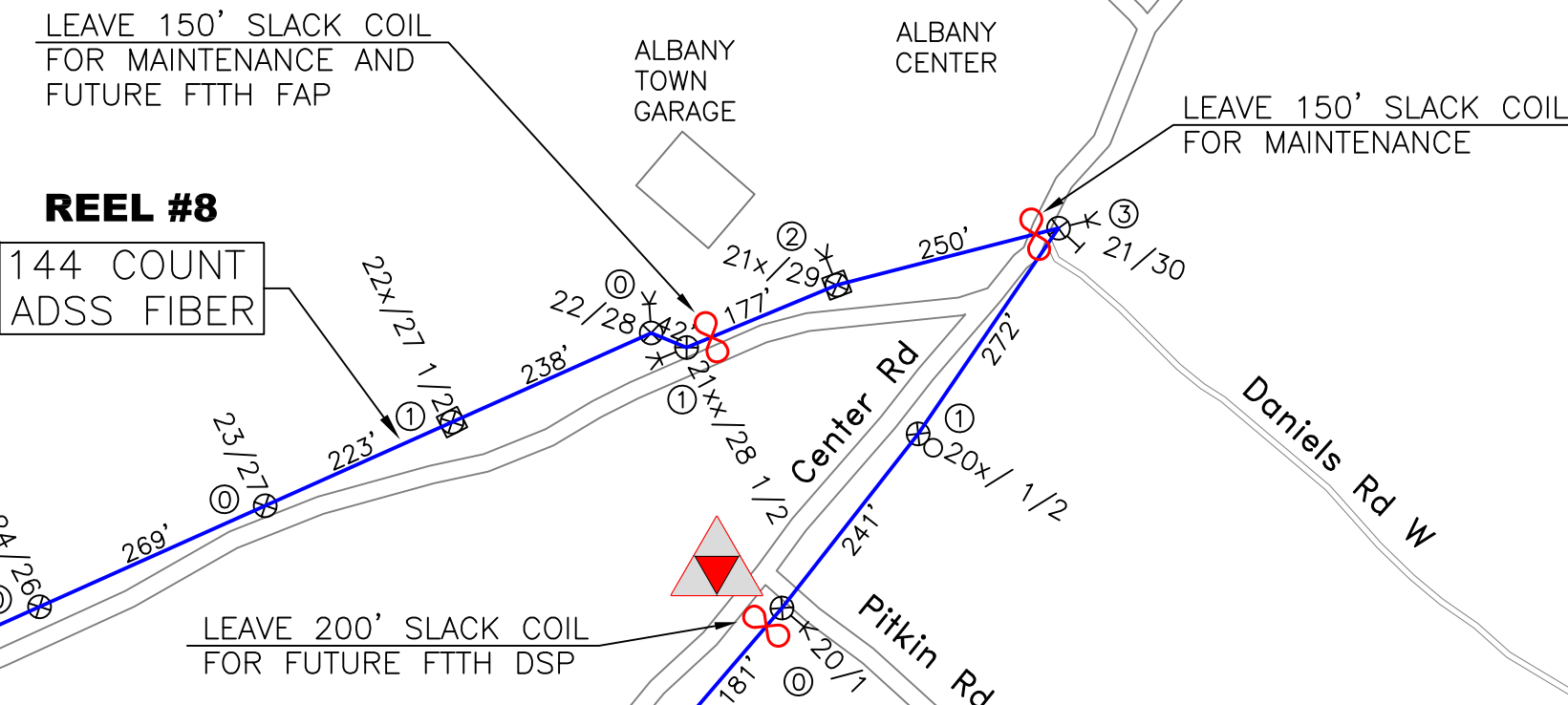
Black River

Town Farm Rd

Vance Rd E

Center Rd

AO-026



AN-025	AO-025	AP-025
AN-026	<b>AO-026</b>	AP-026
AN-027	AO-027	AP-027

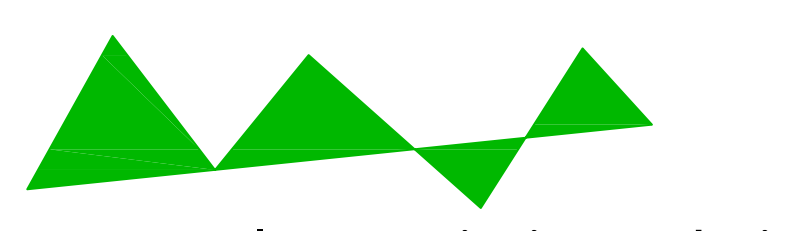


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1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	2,231'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	9

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

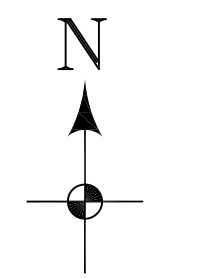
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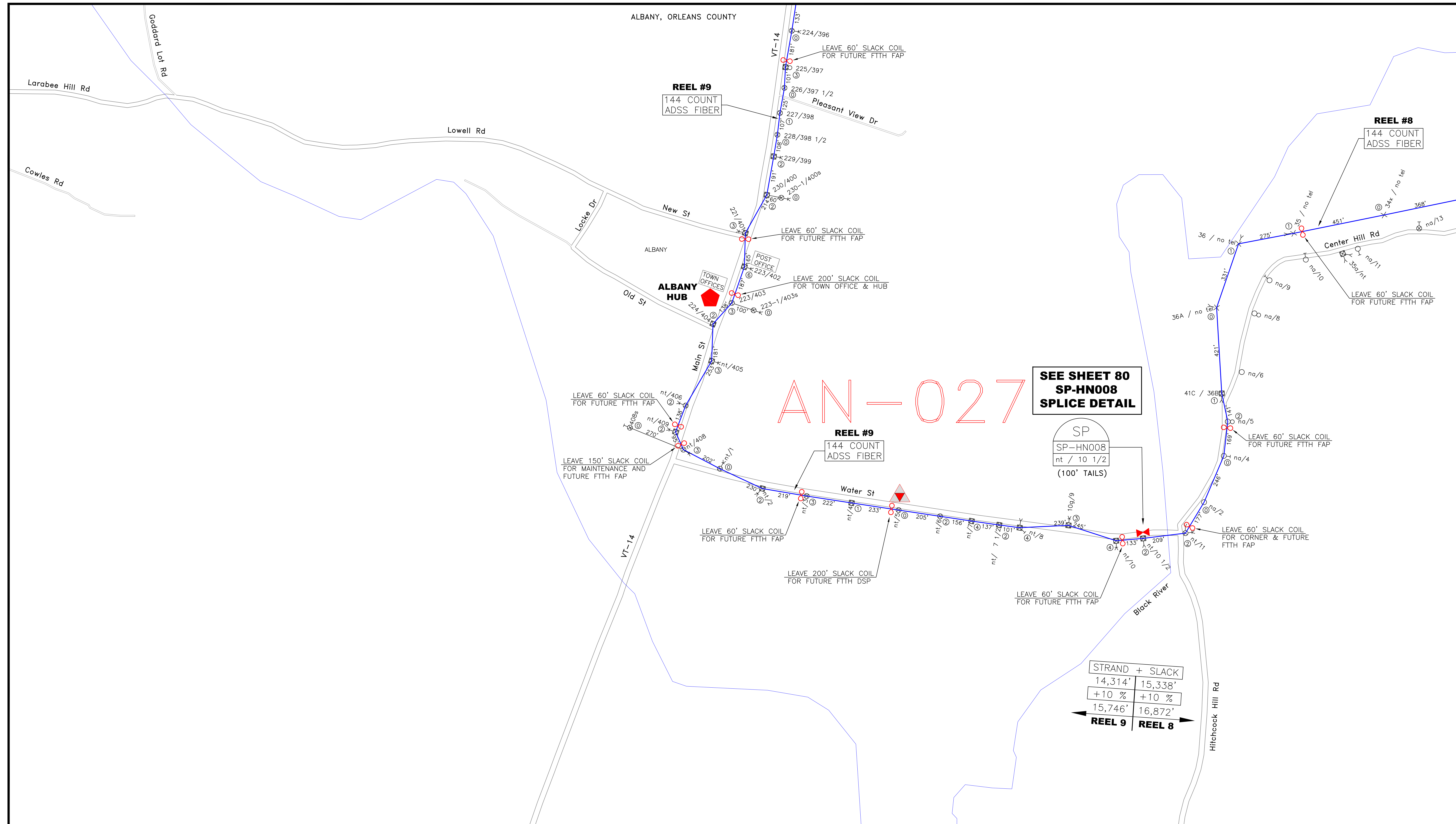
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ



DRAWING NO.  
**AO-026**

SHEET 41 OF 95



AM-026	AN-026	AO-026
AM-027	<b>AN-027</b>	AO-027
AM-028	AN-028	AO-028

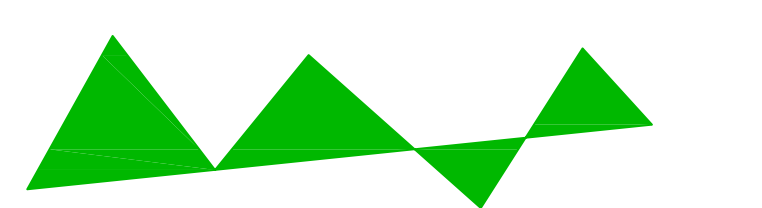


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	7,426'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	46

Strand span distances do not include sag % tolerance.



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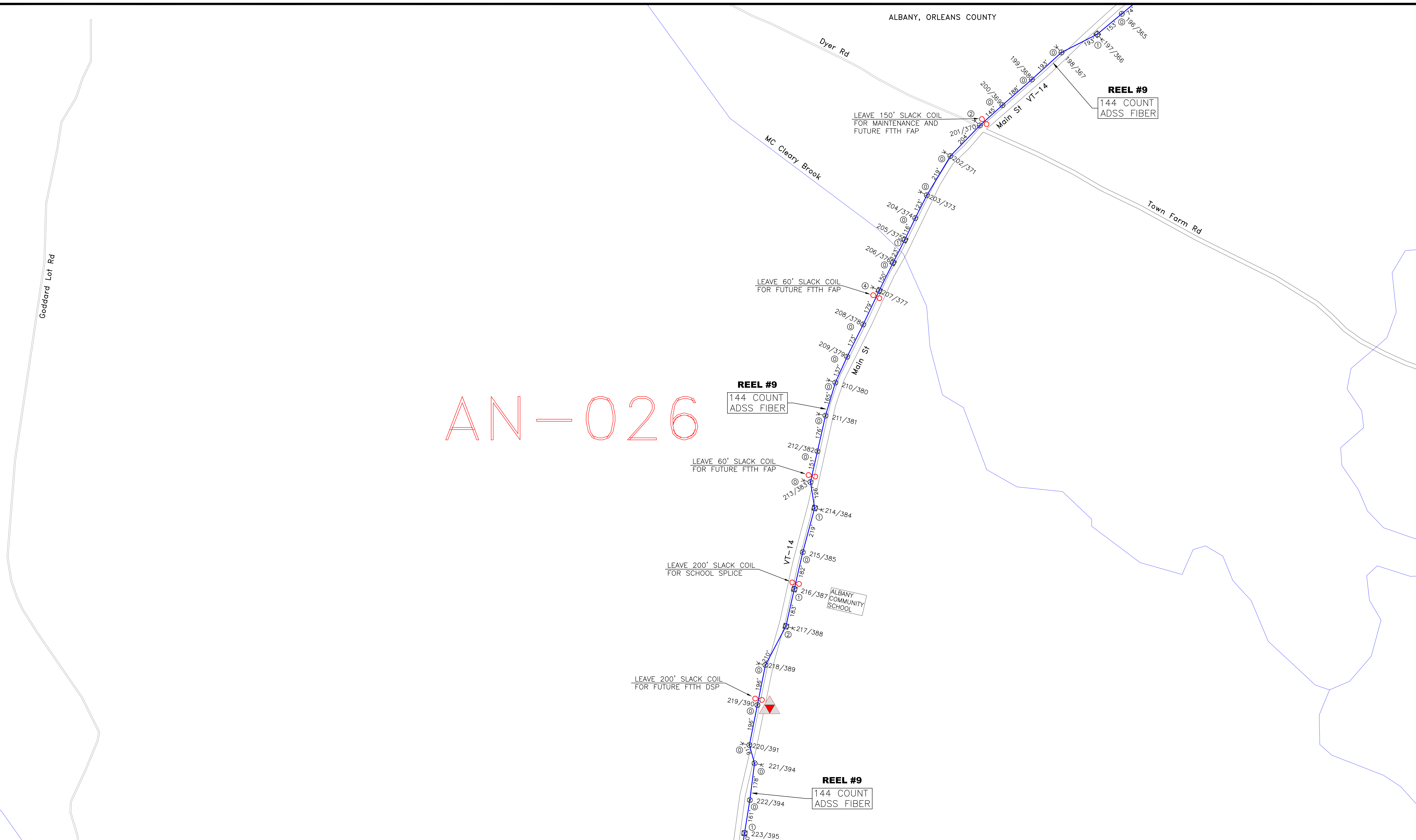


**MATRIX**  
DESIGN GROUP

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AN-027</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 42 OF 95

# AN-026



AM-025	AN-025	AO-025
AM-026	<b>AN-026</b>	AO-026
AM-027	AN-027	AO-027



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,656'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	28

Strand span distances do not include sag % tolerance.

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**415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ

DRAWING NO. AN-026  
SHEET 43 OF 95

# AN-025

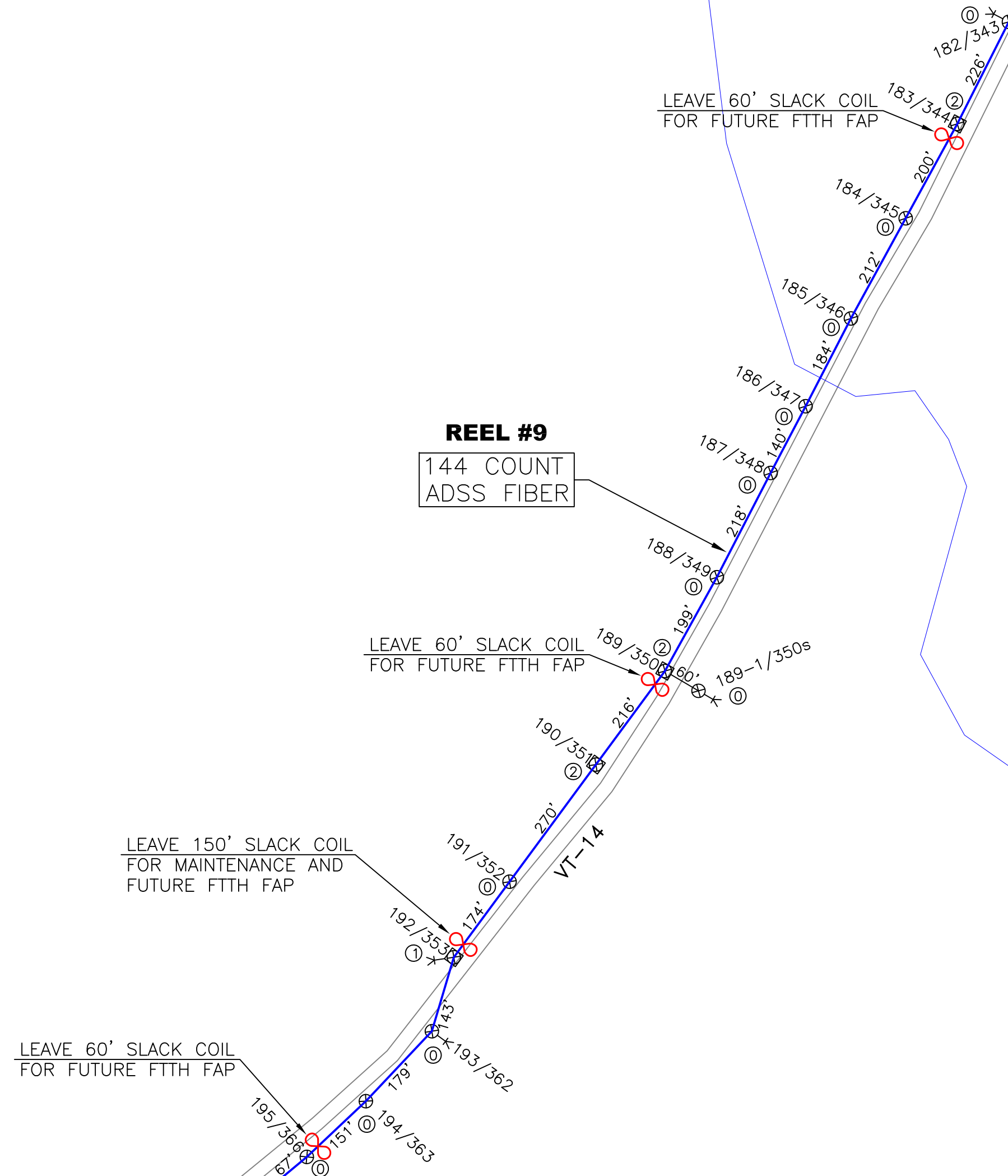
Dyer Rd

Lamphean Brook

MC Cleary Brook

Dyer Rd

**REEL #9**  
144 COUNT  
ADSS FIBER



AM-024	AN-024	AO-024
AM-025	<b>AN-025</b>	AO-025
AM-026	AN-026	AO-026



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	2,580'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	15

Strand span distances do not include sag % tolerance.

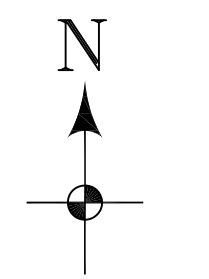
**Vermont Telecommunications Authority**

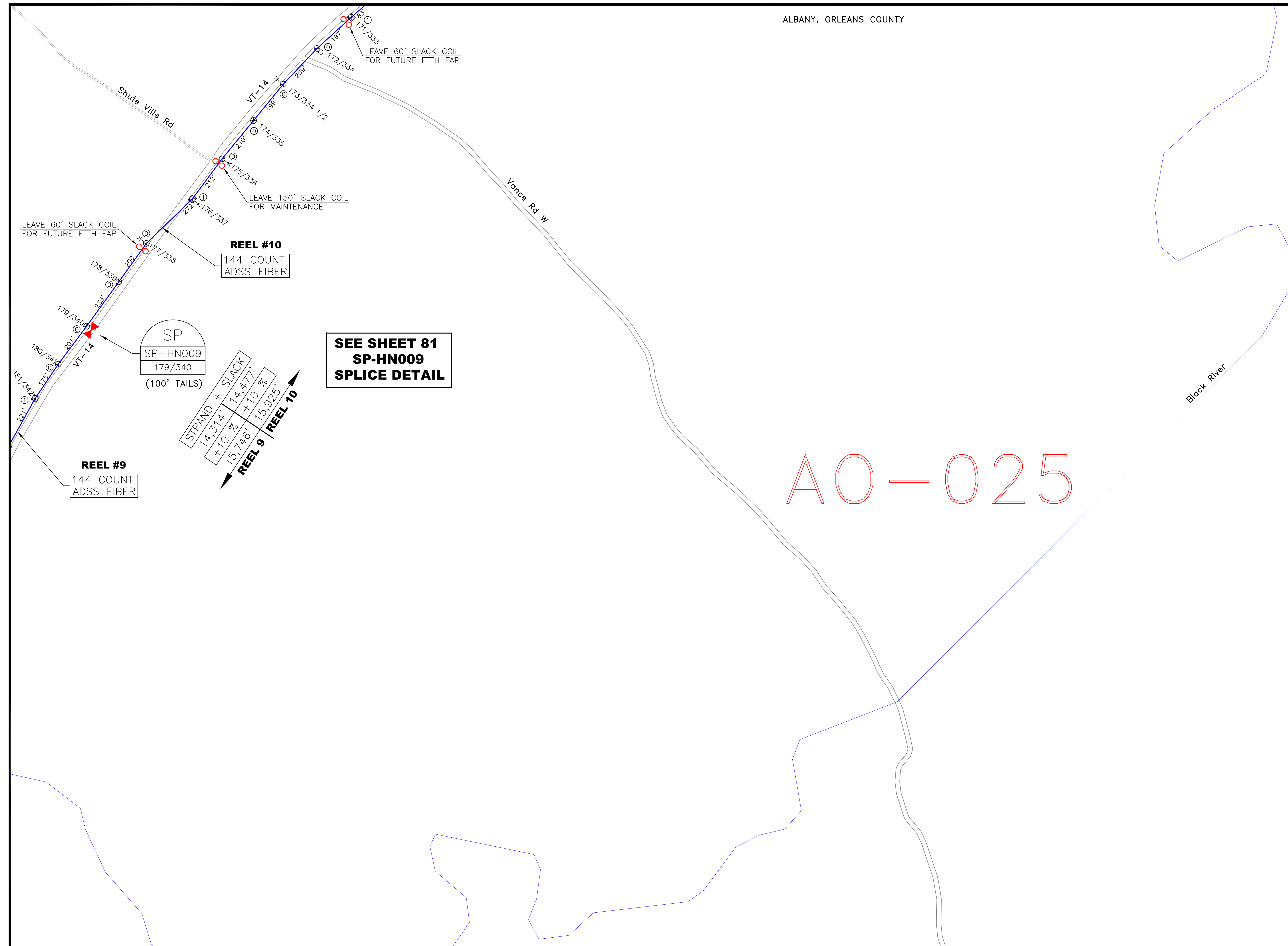
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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AN-025</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 44 OF 95





A0-025

AN-024	AO-024	AP-024
AN-025	<b>AO-025</b>	AP-025
AN-026	AO-026	AP-026

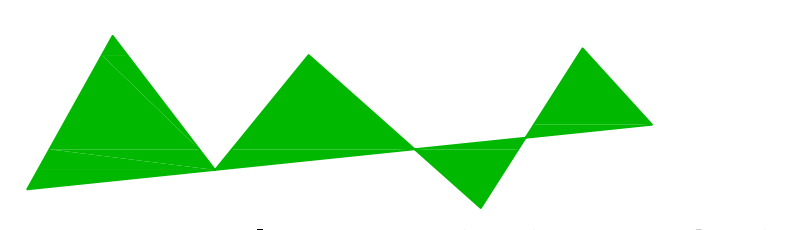


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1-888-344-7233  
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REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	2,413'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	11

Strand span distances do not include sag % tolerance.



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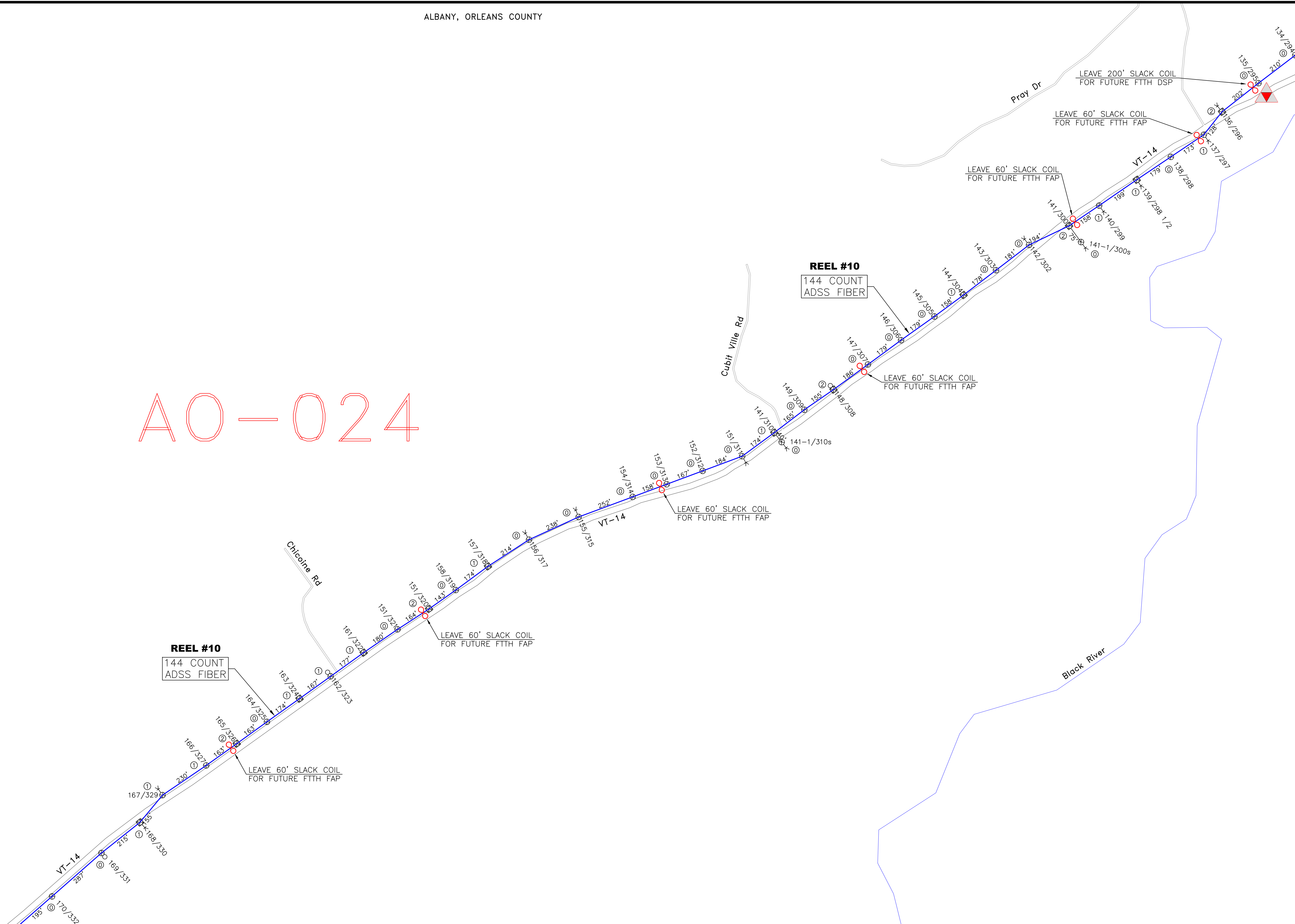
**MATRIX**  
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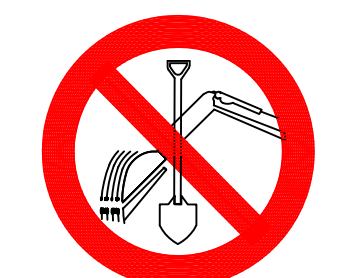
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>A0-025</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ

SHEET 45 OF 95

AO-024



AN-023	AO-023	AP-023
AN-024	<b>AO-024</b>	AP-024
AN-025	AO-025	AP-025

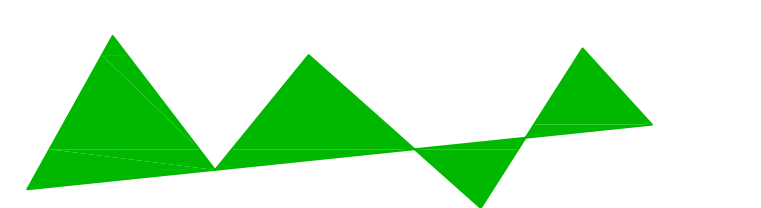


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1-888-344-7233  
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REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	6,799'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	39

Strand span distances do not include sag % tolerance.



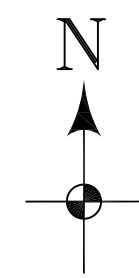
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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
		DRAWING NO.	AO-024
		SHEET	46 OF 95

ALBANY, ORLEANS COUNTY

Delano Rd

Griggs Rd W

Chamberlin Hill Rd

Chamberlin Hill Rd

Black River

VT-14

**REEL #10**  
144 COUNT  
ADSS FIBER

AP-024

AO-023	AP-023	AQ-023
AO-024	AP-024	AQ-024
AO-025	AP-025	AQ-025

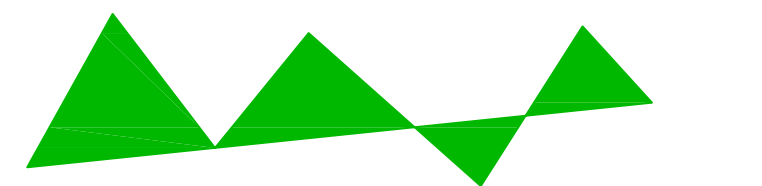


CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	388'
TOTAL STRAND FOOTAGE - (THIS SHEET)	218,749'
POLE COUNT - (THIS SHEET)	2

Strand span distances do not include sag % tolerance.



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**MATRIX DESIGN GROUP**

415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

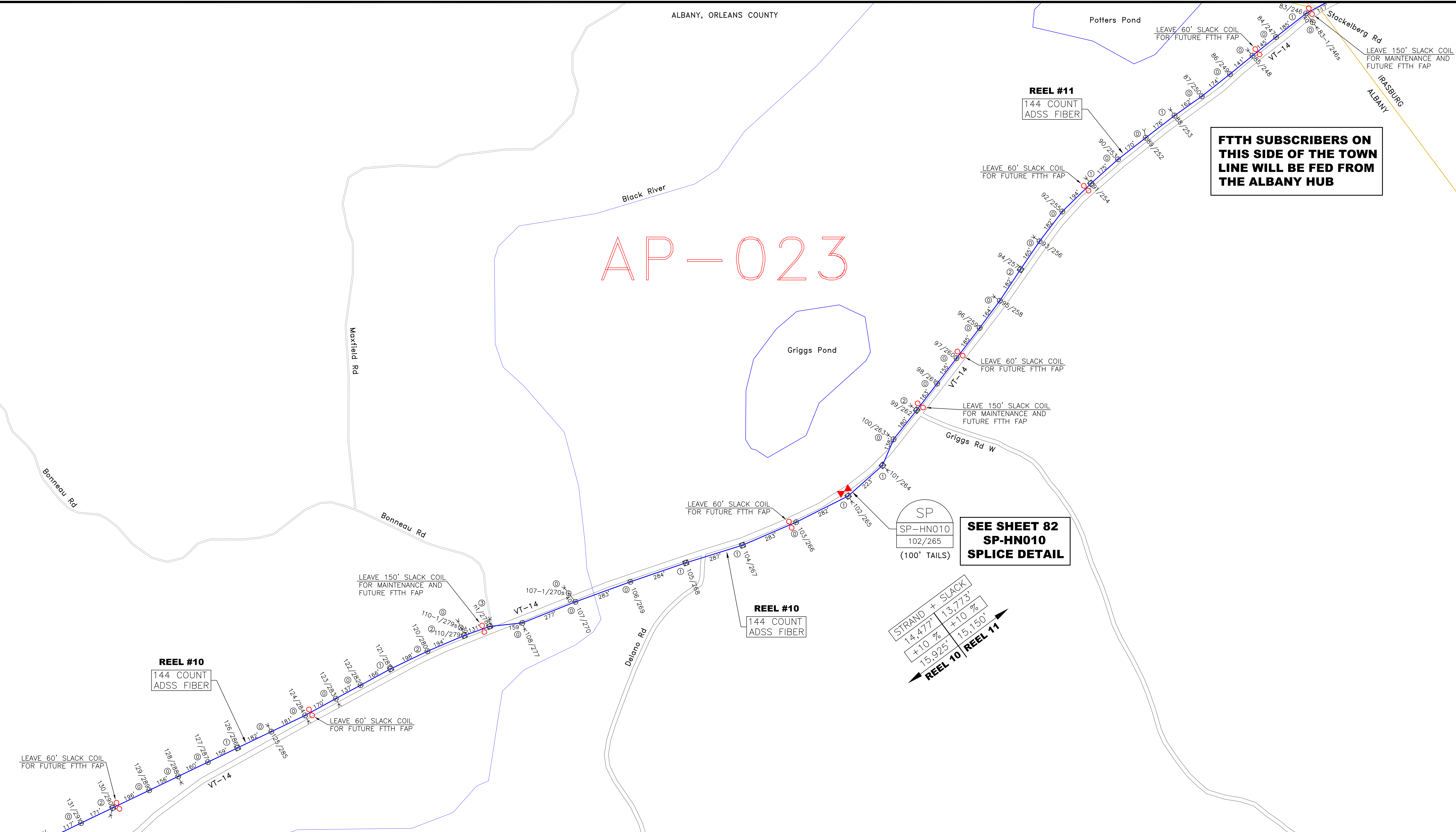
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AP-024</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 47 OF 95

AP-023


**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE ALBANY HUB**

**SEE SHEET 82 SP-HN010 SPLICE DETAIL**

STRAND + SLACK	14,477	13,773
+10 %		+10 %
15,925		15,150
<b>REEL 10   REEL 11</b>		



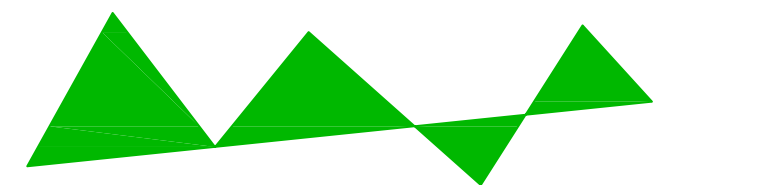
AO-022	AP-022	AQ-022
AO-023	<b>AP-023</b>	AQ-023
AO-024	AP-024	AQ-024

  
 CALL BEFORE YOU DIG  
 1-888-DIGSAFE  
 1-888-344-7233  
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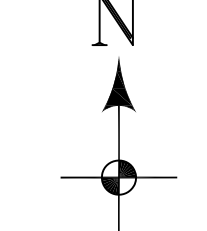
REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	7,548'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	43

Strand span distances do not include sag % tolerance.

  
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**MATRIX DESIGN GROUP**  
 415 WATERMAN ROAD  
 ROYALTON, VERMONT 05001  
 TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
		DRAWING NO.	AP-023
		SHEET	48 OF 95



Farm Rd

AP-022

**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE IRASBURG HUB**

**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE ALBANY HUB**

IRASBURG  
ALBANY

Maxfield Rd  
ALBANY, ORLEANS COUNTY

Black River

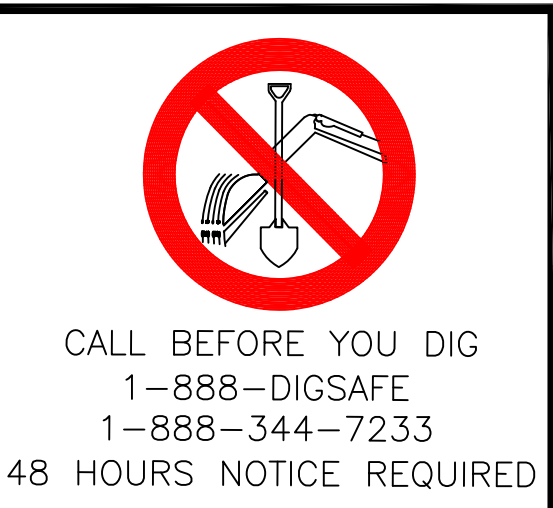
Potters Pond

Stackelberg Rd

**REEL #11**  
144 COUNT  
ADSS FIBER

81/243' @ 20'  
82/245' @ 20'  
80/243' @ 152'

AO-021	AP-021	AQ-021
AO-022	<b>AP-022</b>	AQ-022
AO-023	AP-023	AQ-023



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	662'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	3

Strand span distances do not include sag % tolerance.

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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF APPROVED BY: MLZ

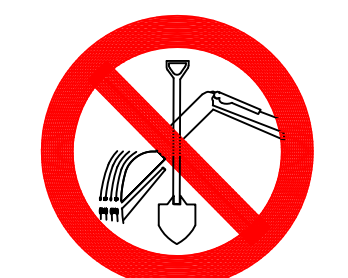
DRAWING NO.  
**AP-022**

SHEET 49 OF 95



AQ-022

AP-021	AQ-021	AR-021
AP-022	AQ-022	AR-022
AP-023	AQ-023	AR-023

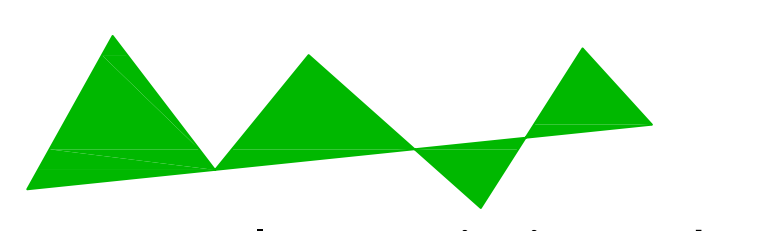


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1-888-344-7233  
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REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	5,606'
TOTAL STRAND FOOTAGE - (THIS SHEET)	218,749'
POLE COUNT - (THIS SHEET)	29

Strand span distances do not include sag % tolerance.

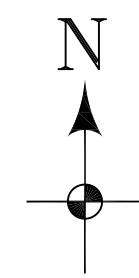


**Vermont Telecommunications Authority**

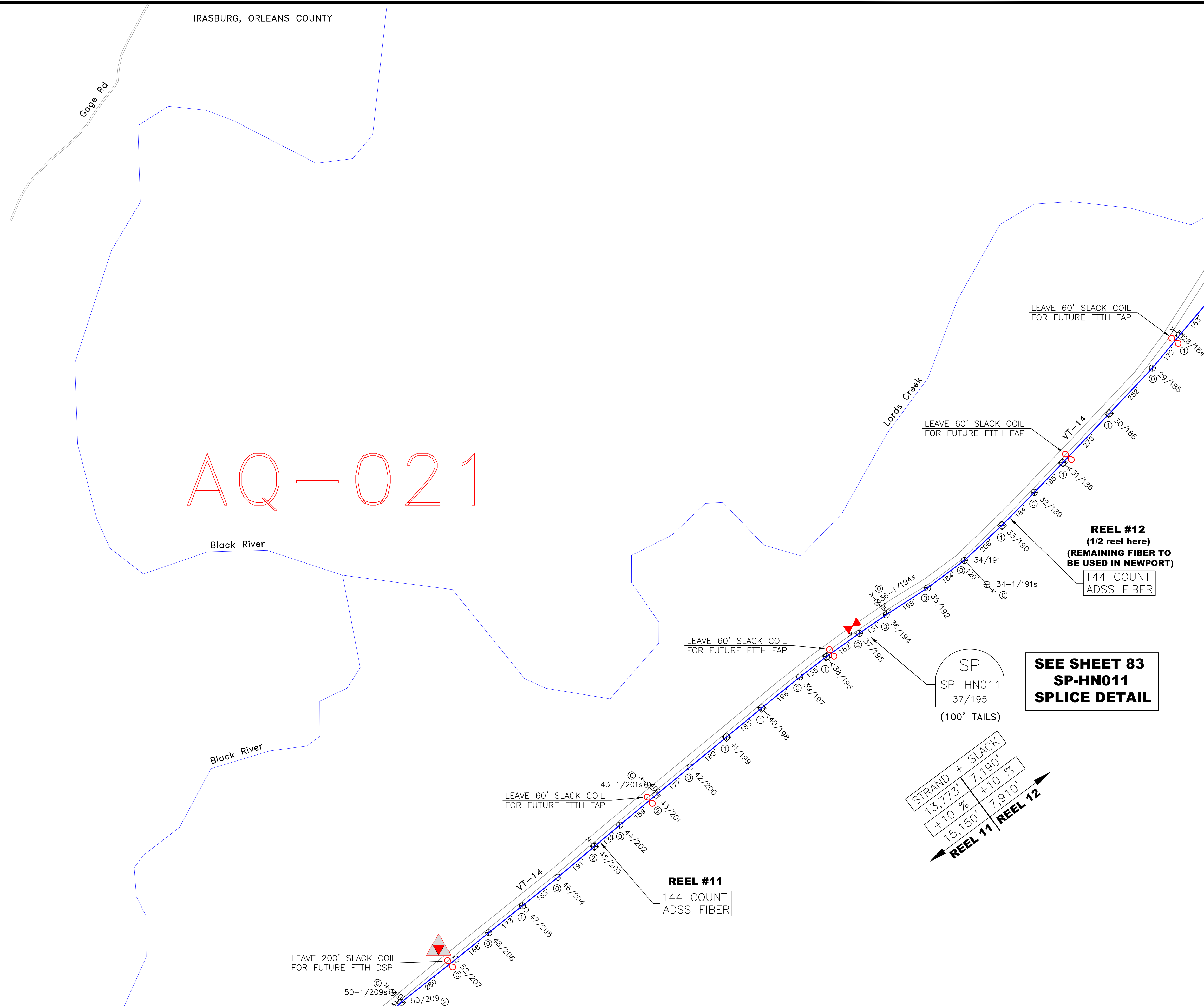
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PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE: FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO. 505.001.01	DATE: 06/01/12	DRAWING NO. AQ-022
SCALE: 1"=200'	DRAWN BY: JRF	APPROVED BY: MLZ
		SHEET 50 OF 95

# AQ-021



STRAND + SLACK	7,190'
13,773	+10 %
15,150	7,910'

REEL #11 | REEL #12

**SEE SHEET 83  
SP-HN011  
SPLICE DETAIL**

**REEL #12  
(1/2 reel here)  
(REMAINING FIBER TO  
BE USED IN NEWPORT)**  
144 COUNT  
ADSS FIBER

**REEL #11**  
144 COUNT  
ADSS FIBER

SP  
SP-HN011  
37/195  
(100' TAILS)

IRASBURG, ORLEANS COUNTY

Gage Rd

Black River

Black River

Lords Creek

AP-020	AQ-020	AR-020
AP-021	<b>AQ-021</b>	AR-021
AP-022	AQ-022	AR-022

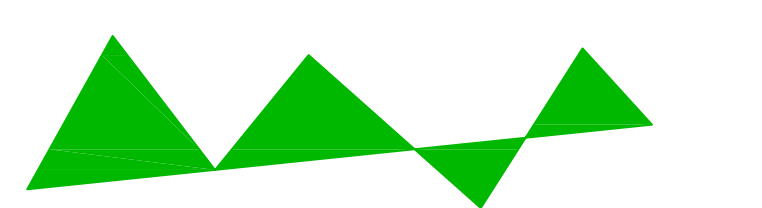


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,315'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	27

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

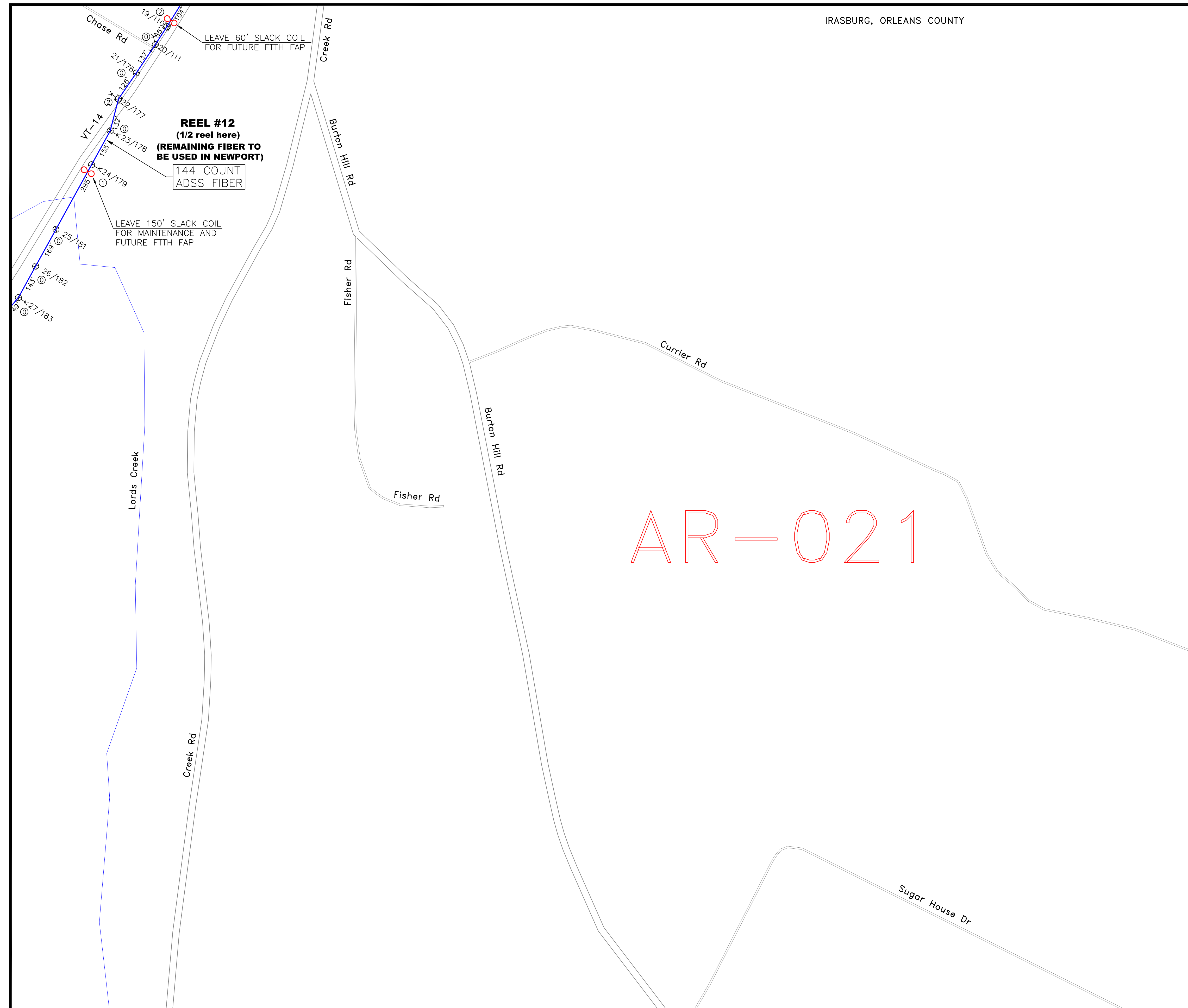
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**MATRIX DESIGN GROUP**

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		N ↑ ↓
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
		DRAWING NO.	AQ-021
		SHEET	51 OF 95



AQ-020	AR-020	AS-020
AQ-021	<b>AR-021</b>	AS-021
AQ-022	AR-022	AS-022

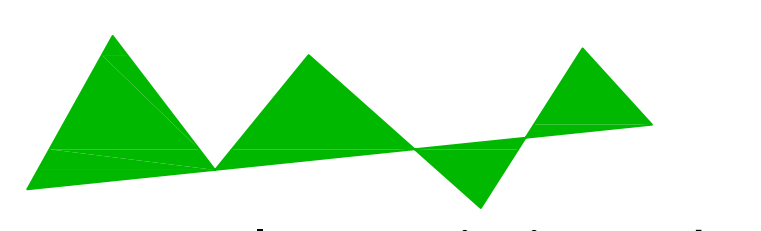


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	1,394'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	9

Strand span distances do not include sag % tolerance.



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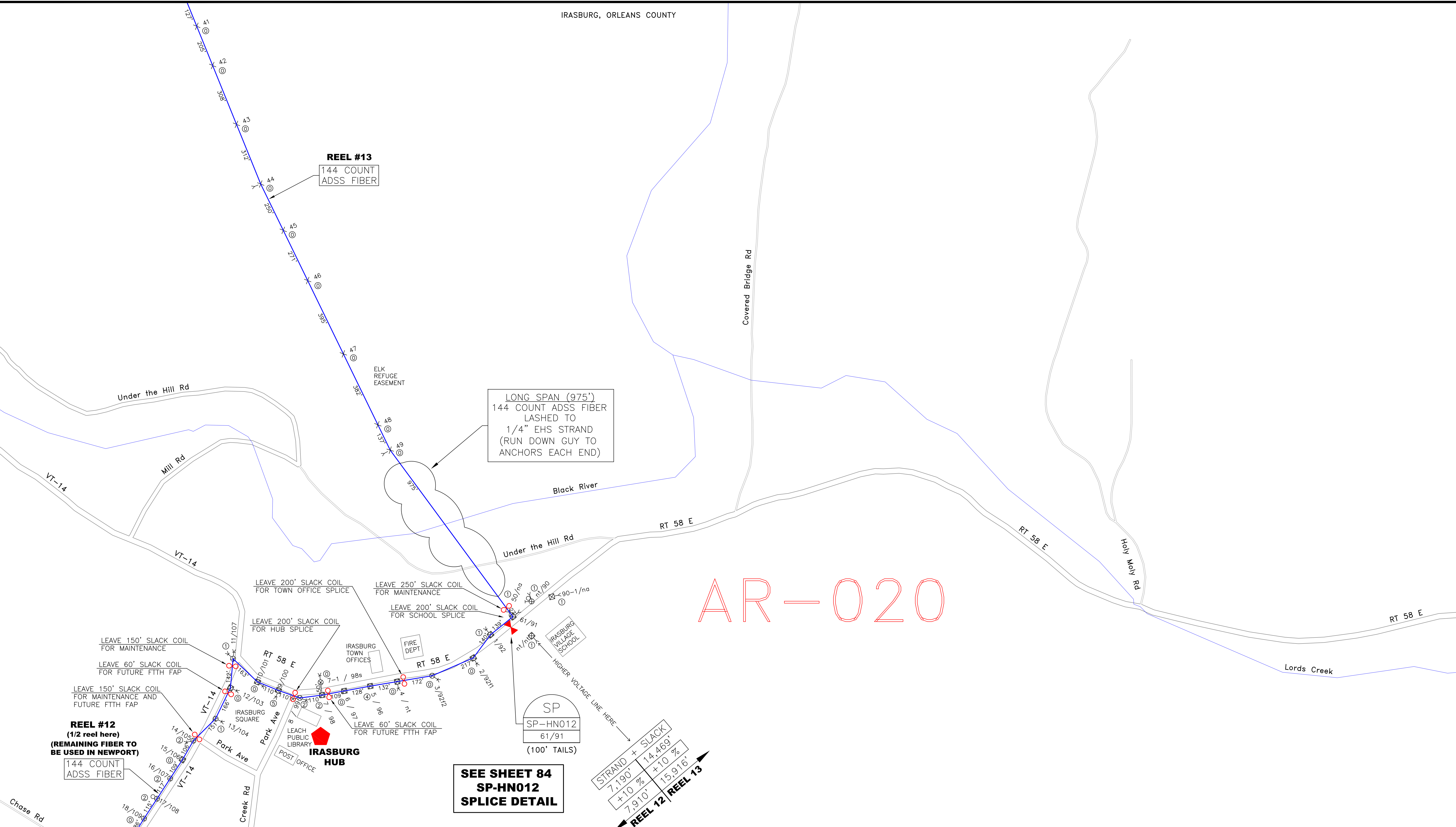


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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AR-021</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 52 OF 95

AR-020



**SEE SHEET 84  
SP-HN012  
SPlice DETAIL**

STRAND + SLACK  
7,190' +10% 14,469'  
7,910' +10% 15,916'  
REEL 12 REEL 13

AQ-019	AR-019	AS-019
AQ-020	<b>AR-020</b>	AS-020
AQ-021	AR-021	AS-021



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	5,911'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	33

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		N ↑ ↓
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
		DRAWING NO.	AR-020
		SHEET	53 OF 95

Campbell Rd

Covered Bridge Rd

Black River

# AR-019

LEAVE 150' SLACK COIL FOR MAINTENANCE AND FUTURE FTTH FAP

**REEL #13**  
144 COUNT ADSS FIBER

ELK REFUGE EASEMENT

LEAVE 150' SLACK COIL FOR MAINTENANCE

AQ-018	AR-018	AS-018
AQ-019	<b>AR-019</b>	AS-019
AQ-020	AR-020	AS-020

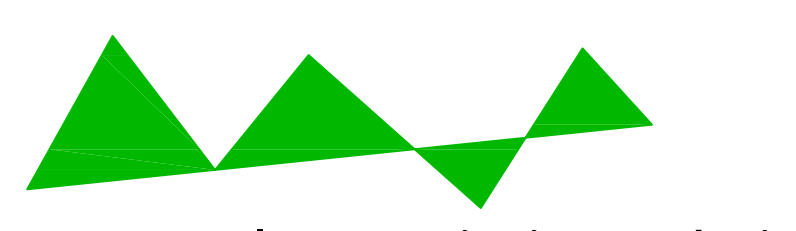


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	2,485'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	7

Strand span distances do not include sag % tolerance.



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**MATRIX DESIGN GROUP**

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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AR-019</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ

SHEET 54 OF 95

IRASBURG, ORLEANS COUNTY

VT-14

VT-14

VT-58

VT-14

VT-58

Brook

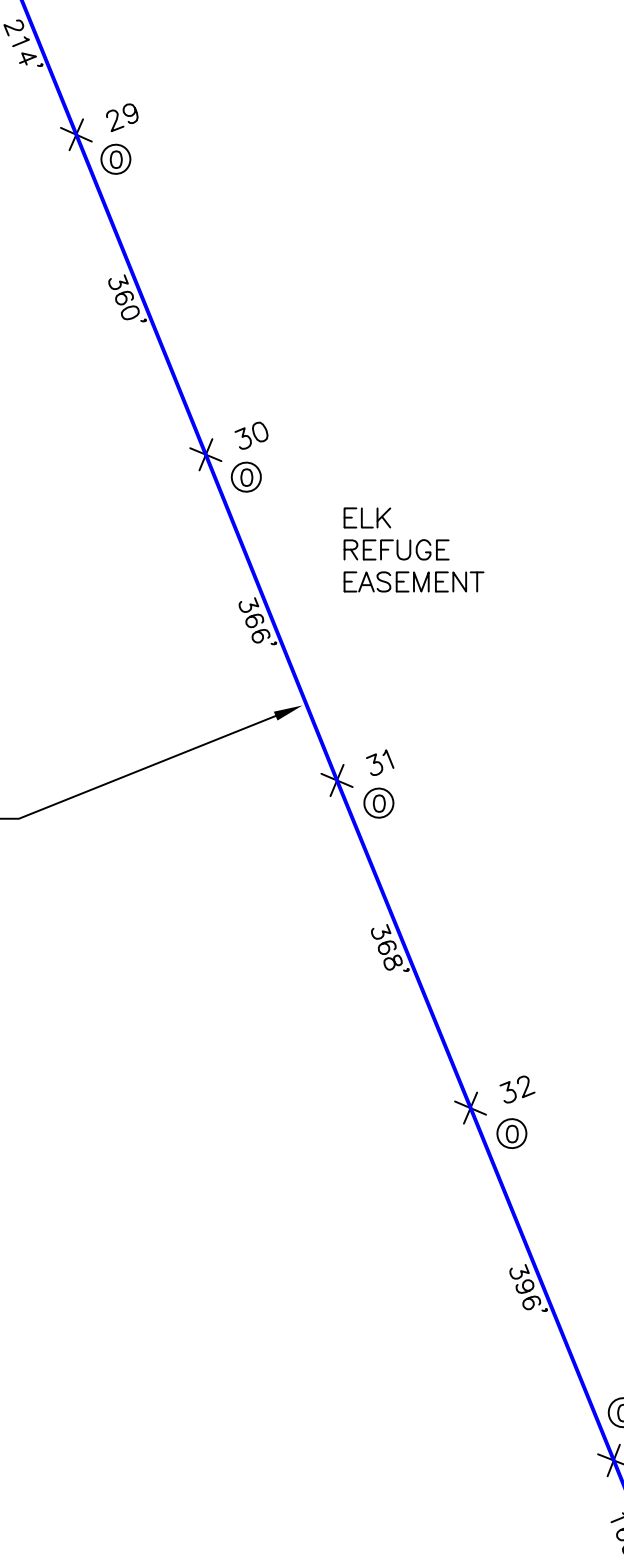
Back Coventry Rd

Gage Rd

AQ-019

REEL #13  
144 COUNT  
ADSS FIBER

ELK REFUGE  
EASEMENT



AP-018	AQ-018	AR-018
AP-019	<b>AQ-019</b>	AR-019
AP-020	AQ-020	AR-020

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1-888-344-7233  
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REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	1,864'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	5
Strand span distances do not include sag % tolerance.	

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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

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DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ

DRAWING NO.  
**AQ-019**  
SHEET 55 OF 95

AQ-018

**REEL #13**  
144 COUNT  
ADSS FIBER

LEAVE 60' SLACK COIL  
FOR FUTURE FTTH FAP

LEAVE 250' SLACK COIL  
FOR MAINTENANCE

**REEL #13**  
144 COUNT  
ADSS FIBER

AP-017	AQ-017	AR-017
AP-018	<b>AQ-018</b>	AR-018
AP-019	AQ-019	AR-019

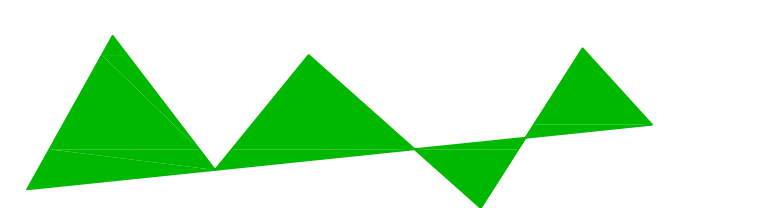


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1-888-344-7233  
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	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,256'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	13

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

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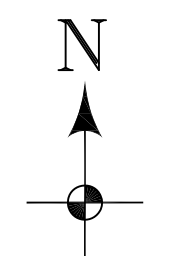
**MATRIX DESIGN GROUP**

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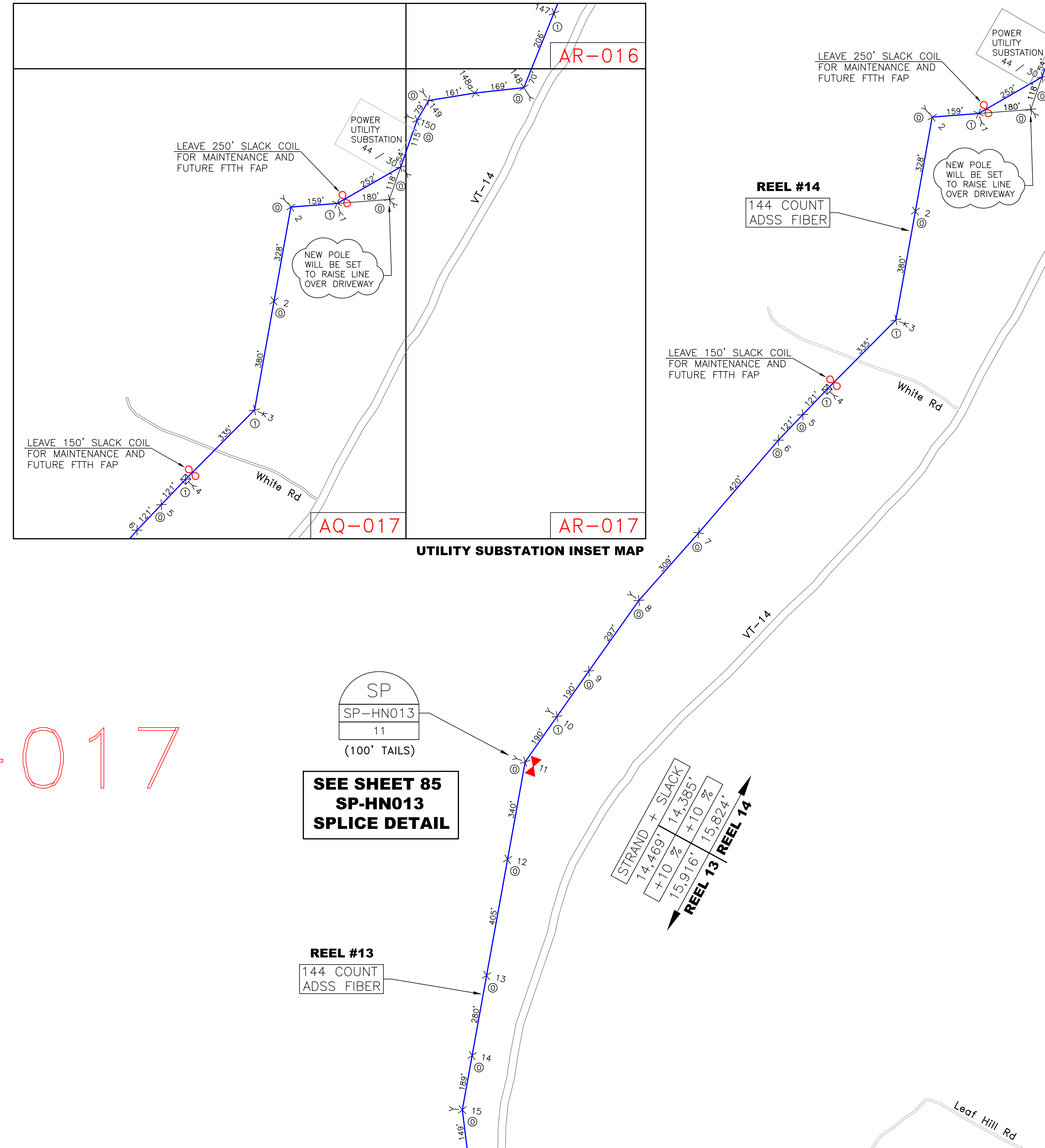
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ

DRAWING NO. AQ-018

SHEET 56 OF 95

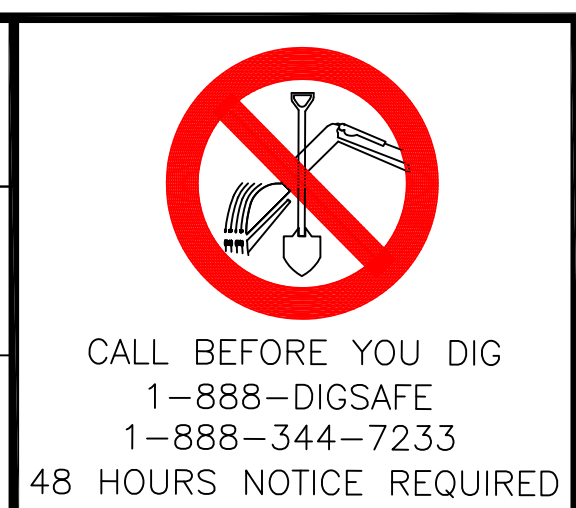






AQ-017

AP-016	AQ-016	AR-016
AP-017	<b>AQ-017</b>	AR-017
AP-018	AQ-018	AR-018



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,520'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	17

Strand span distances do not include sag % tolerance.

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PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
DRAWING NO.	AQ-017		SHEET 57 OF 95

IRASBURG, ORLEANS COUNTY

REEL #14

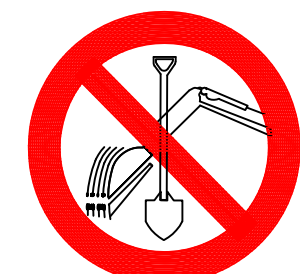
144 COUNT  
ADSS FIBER

VT-14

Black River

AR-017

AQ-016	AR-016	AS-016
AQ-017	AR-017	AS-017
AQ-018	AR-018	AS-018



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	594'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	4
Strand span distances do not include sag % tolerance.	

**Vermont Telecommunications Authority**

INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF VERMONT TELECOMMUNICATIONS AUTHORITY

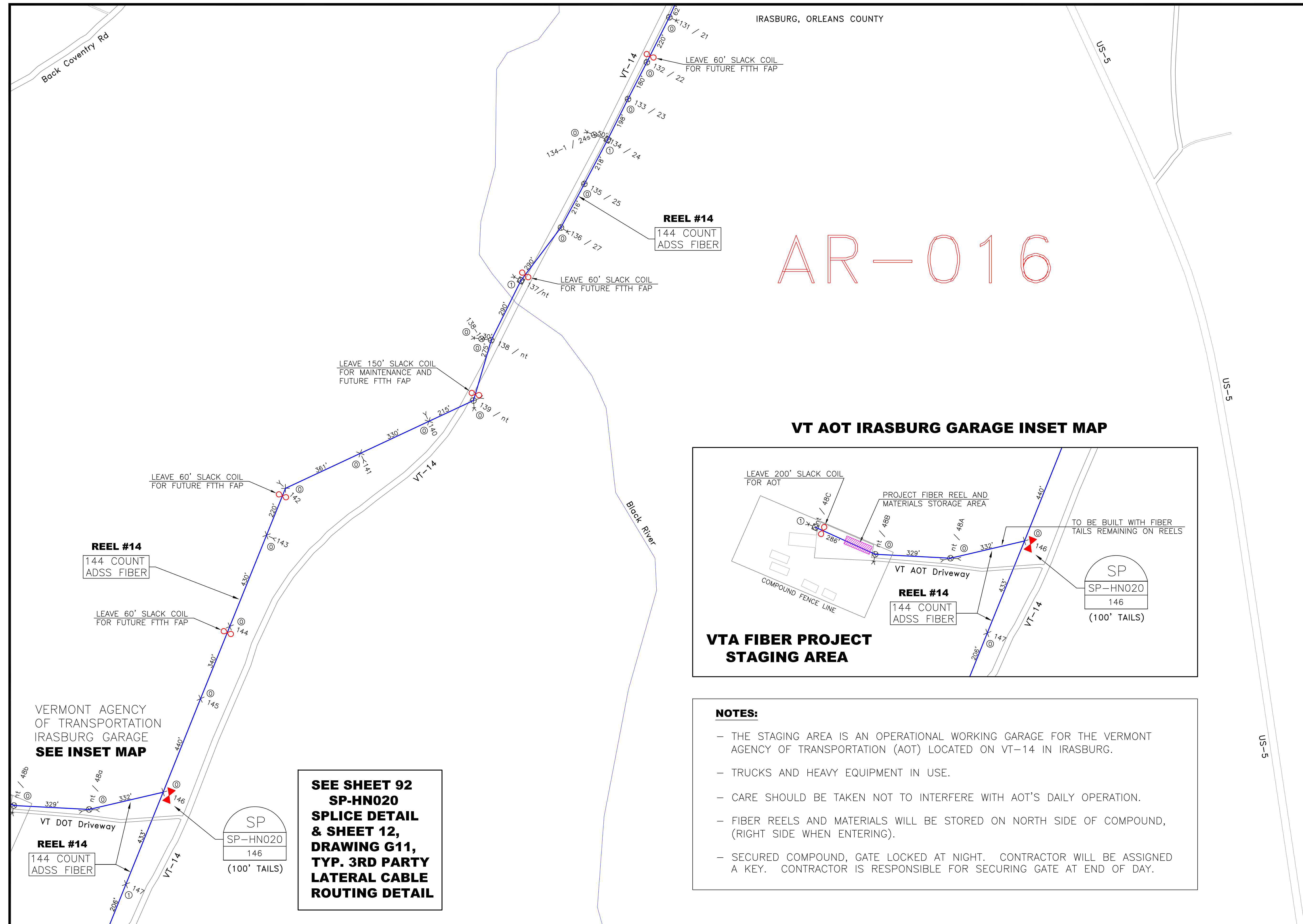
**415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ

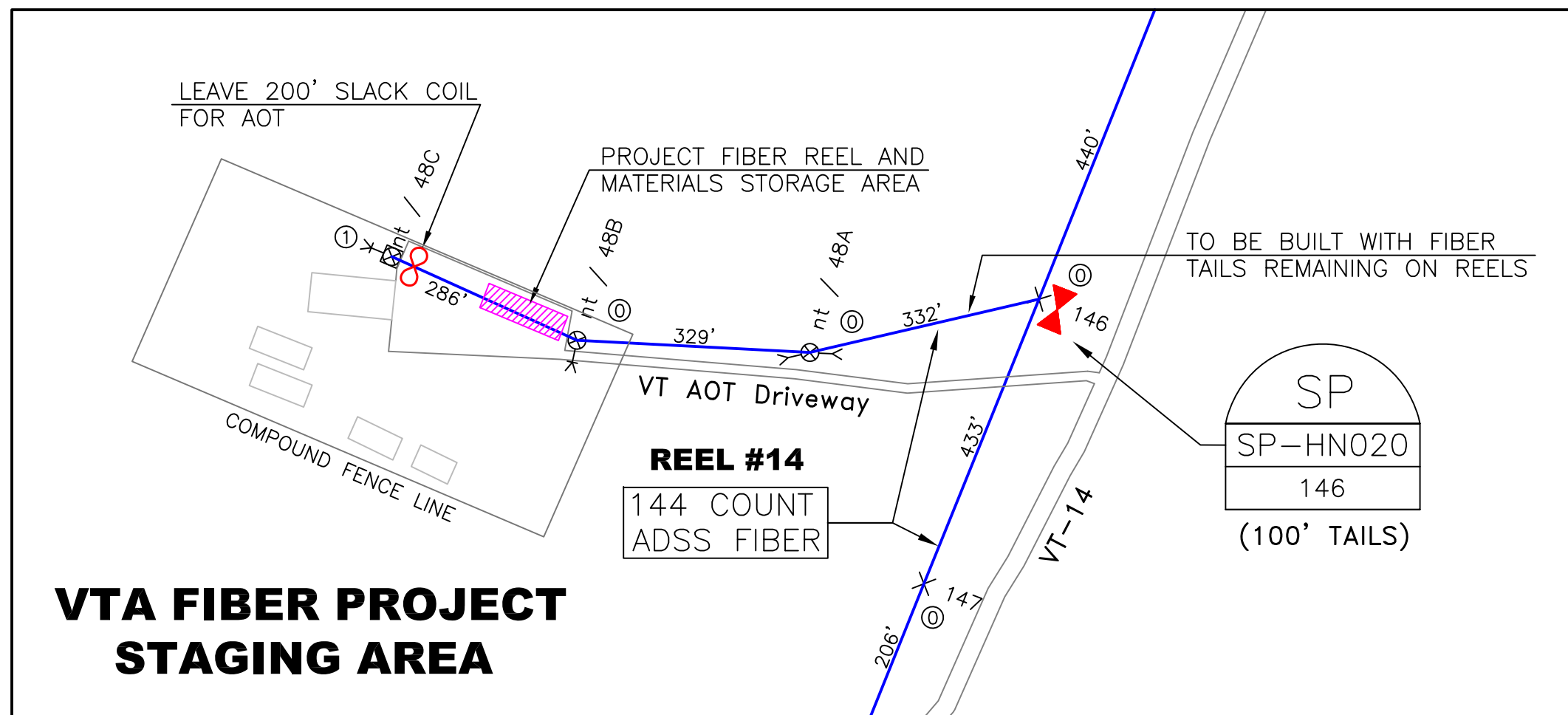
DRAWING NO.  
**AR-017**

SHEET 58 OF 95

AR-016



**VT AOT IRASBURG GARAGE INSET MAP**

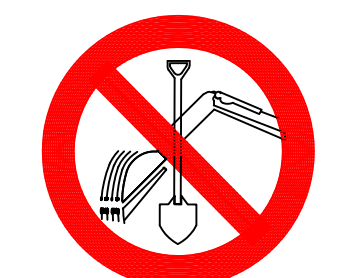


- NOTES:**
- THE STAGING AREA IS AN OPERATIONAL WORKING GARAGE FOR THE VERMONT AGENCY OF TRANSPORTATION (AOT) LOCATED ON VT-14 IN IRASBURG.
  - TRUCKS AND HEAVY EQUIPMENT IN USE.
  - CARE SHOULD BE TAKEN NOT TO INTERFERE WITH AOT'S DAILY OPERATION.
  - FIBER REELS AND MATERIALS WILL BE STORED ON NORTH SIDE OF COMPOUND, (RIGHT SIDE WHEN ENTERING).
  - SECURED COMPOUND, GATE LOCKED AT NIGHT. CONTRACTOR WILL BE ASSIGNED A KEY. CONTRACTOR IS RESPONSIBLE FOR SECURING GATE AT END OF DAY.

VERMONT AGENCY OF TRANSPORTATION IRASBURG GARAGE  
**SEE INSET MAP**

**SEE SHEET 92  
SP-HN020  
SPlice DETAIL  
& SHEET 12,  
DRAWING G11,  
TYP. 3RD PARTY  
LATERAL CABLE  
ROUTING DETAIL**

AQ-015	AR-015	AS-015
AQ-016	<b>AR-016</b>	AS-016
AQ-017	AR-017	AS-017

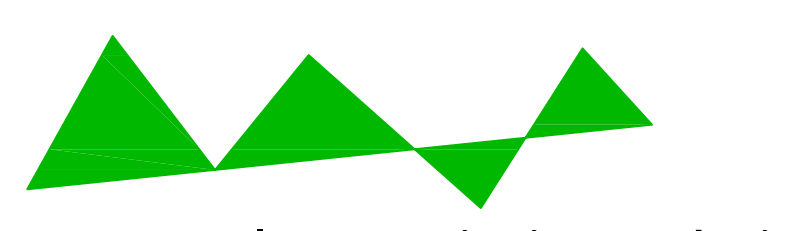


CALL BEFORE YOU DIG  
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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	5,871'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	22

Strand span distances do not include sag % tolerance.



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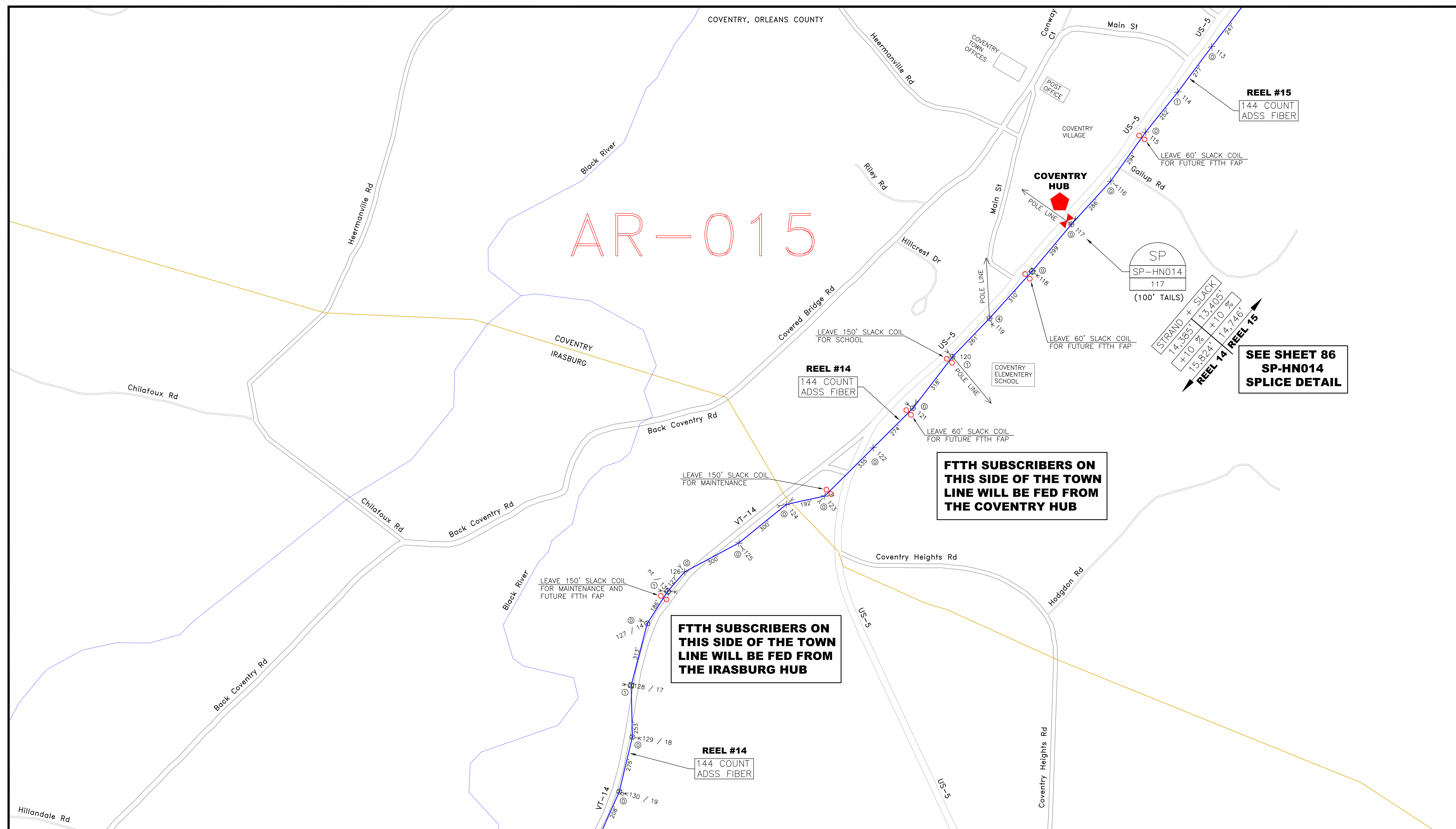
**MATRIX DESIGN GROUP**

415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AR-016</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ

SHEET 59 OF 95

# AR-015



**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE COVENTRY HUB**

**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE IRASBURG HUB**

**SEE SHEET 86  
SP-HN014  
SPLICE DETAIL**

AQ-014	AR-014	AS-014
AQ-015	AR-015	AS-015
AQ-016	AR-016	AS-016

**CALL BEFORE YOU DIG**  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	5,306'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	19

Strand span distances do not include sag % tolerance.

**Vermont Telecommunications Authority**

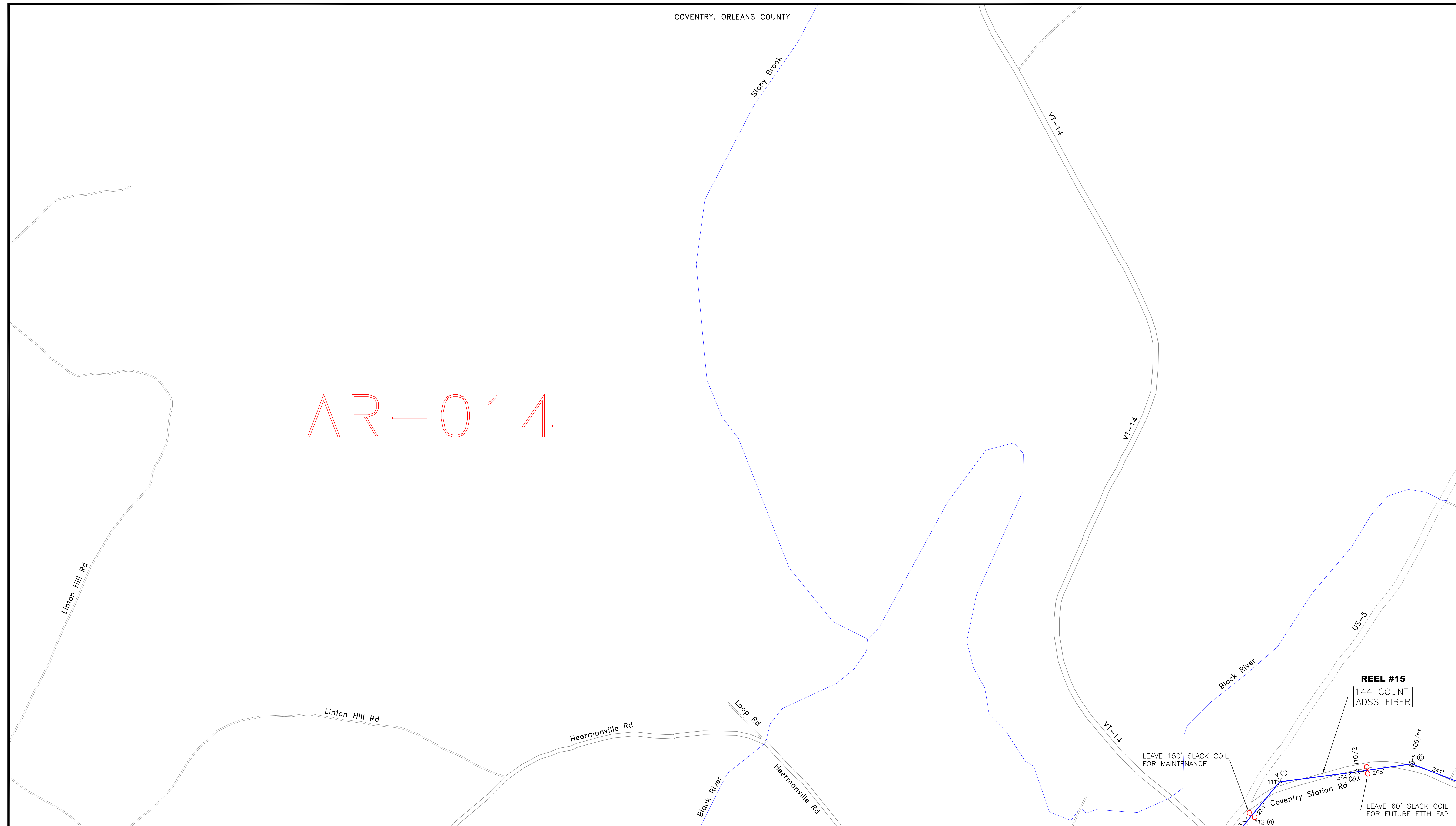
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**MATRIX DESIGN GROUP**

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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		N ↑ ↓ N
DRAWING TITLE: FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO. 505.001.01	DATE: 06/01/12	DRAWING NO. AR-015
SCALE: 1"=200'	DRAWN BY: JRF	APPROVED BY: MLZ
		SHEET 60 OF 95

AR-014

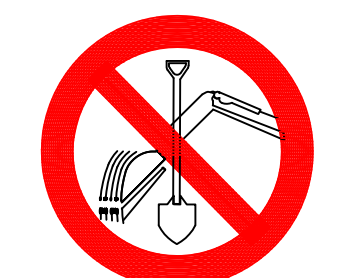


**REEL #15**  
144 COUNT  
ADSS FIBER

LEAVE 150' SLACK COIL  
FOR MAINTENANCE

LEAVE 60' SLACK COIL  
FOR FUTURE FIFTH FAP

AQ-013	AR-013	AS-013
AQ-014	<b>AR-014</b>	AS-014
AQ-015	AR-015	AS-015

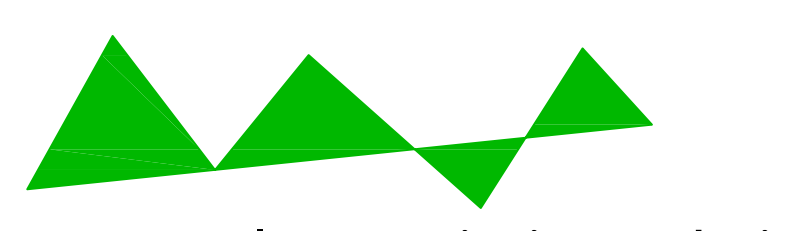


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1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	1,182'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	4

Strand span distances do not include sag % tolerance.



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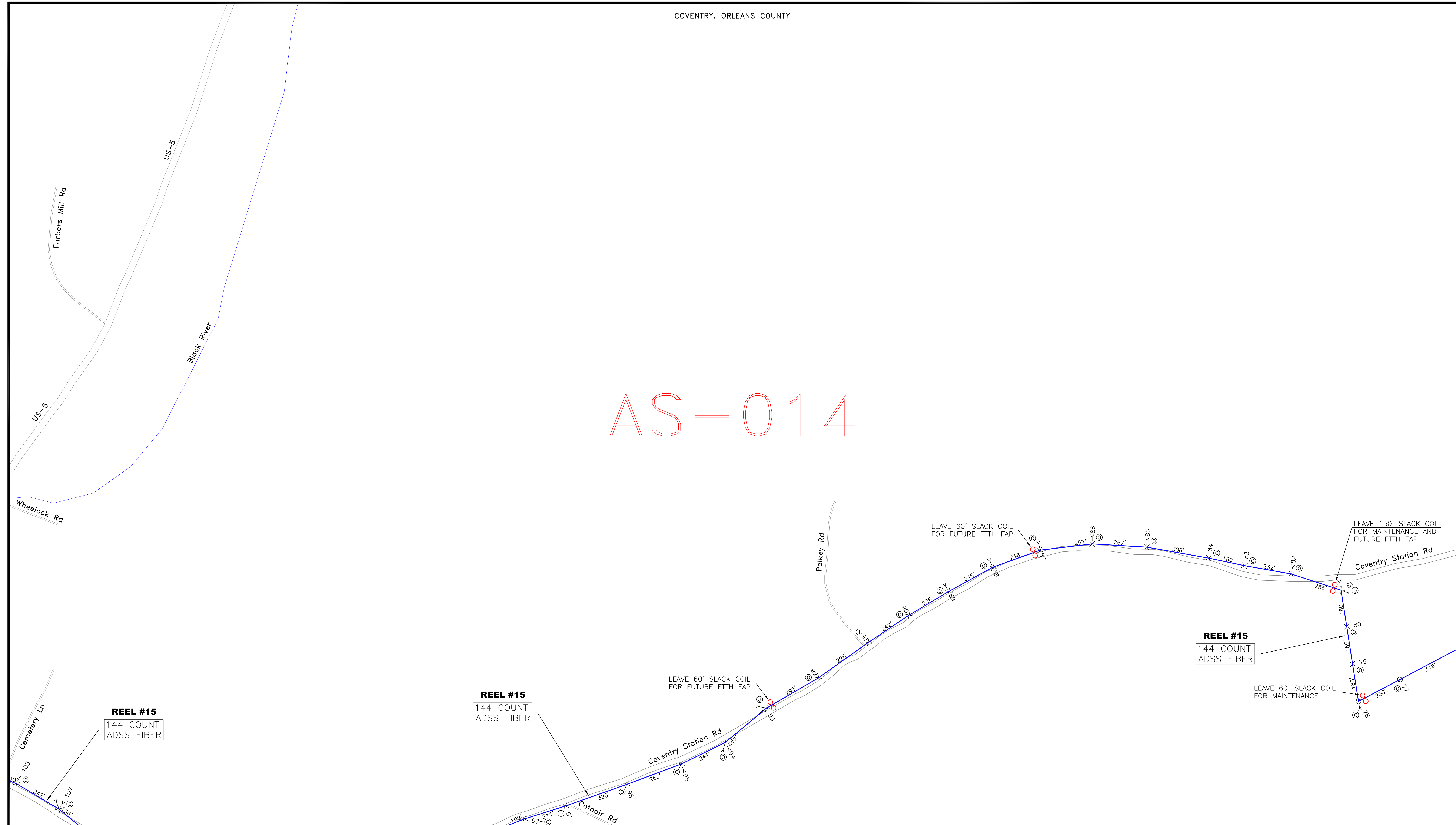


**MATRIX DESIGN GROUP**

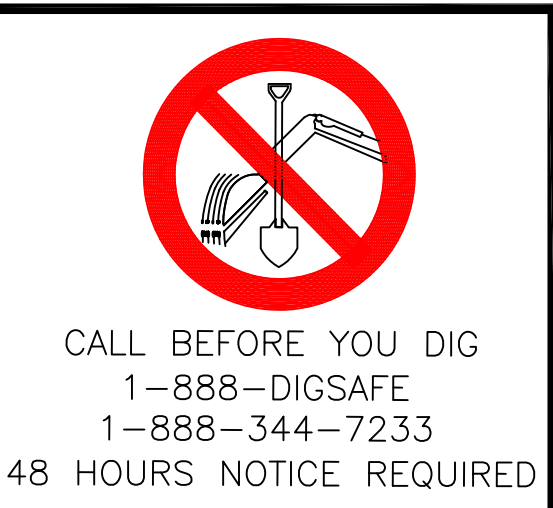
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AR-014</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
			SHEET 61 OF 95

# AS-014



AR-013	AS-013	AT-013
AR-014	<b>AS-014</b>	AT-014
AR-015	AS-015	AT-015



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

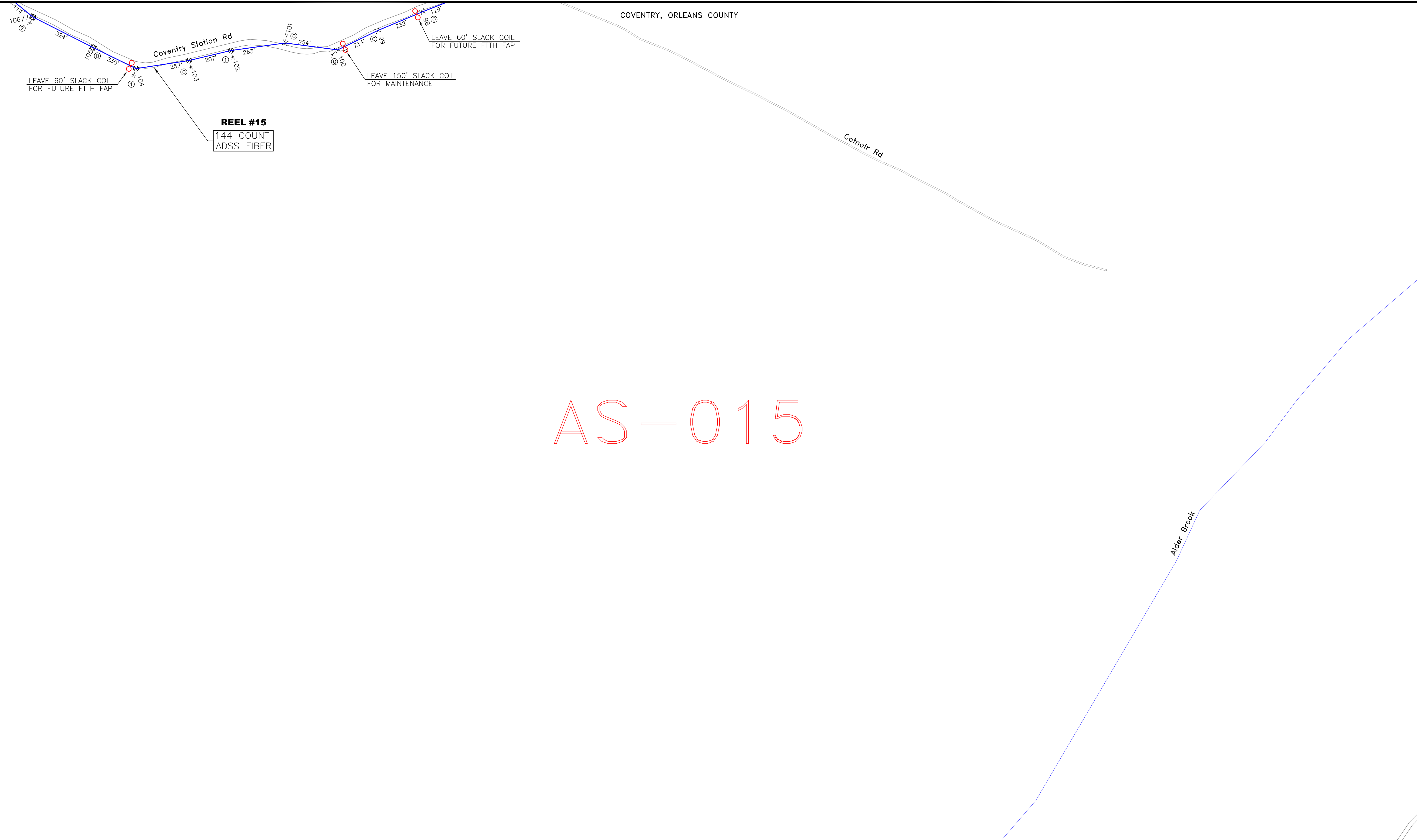
INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	5,987'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	24

Strand span distances do not include sag % tolerance.

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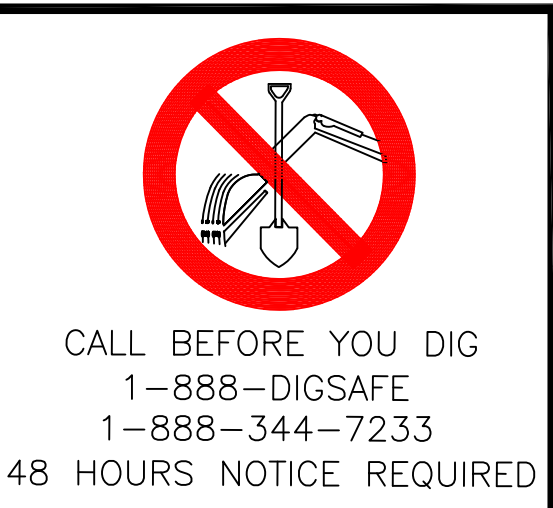
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		N ↑
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
		DRAWING NO.	AS-014
		SHEET	62 OF 95



AS-015

AR-014	AS-014	AT-014
AR-015	AS-015	AT-015
AR-016	AS-016	AT-016



REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	2,224'
TOTAL STRAND FOOTAGE - (THIS SHEET)	218,749'
POLE COUNT - (THIS SHEET)	9

Strand span distances do not include sag % tolerance.

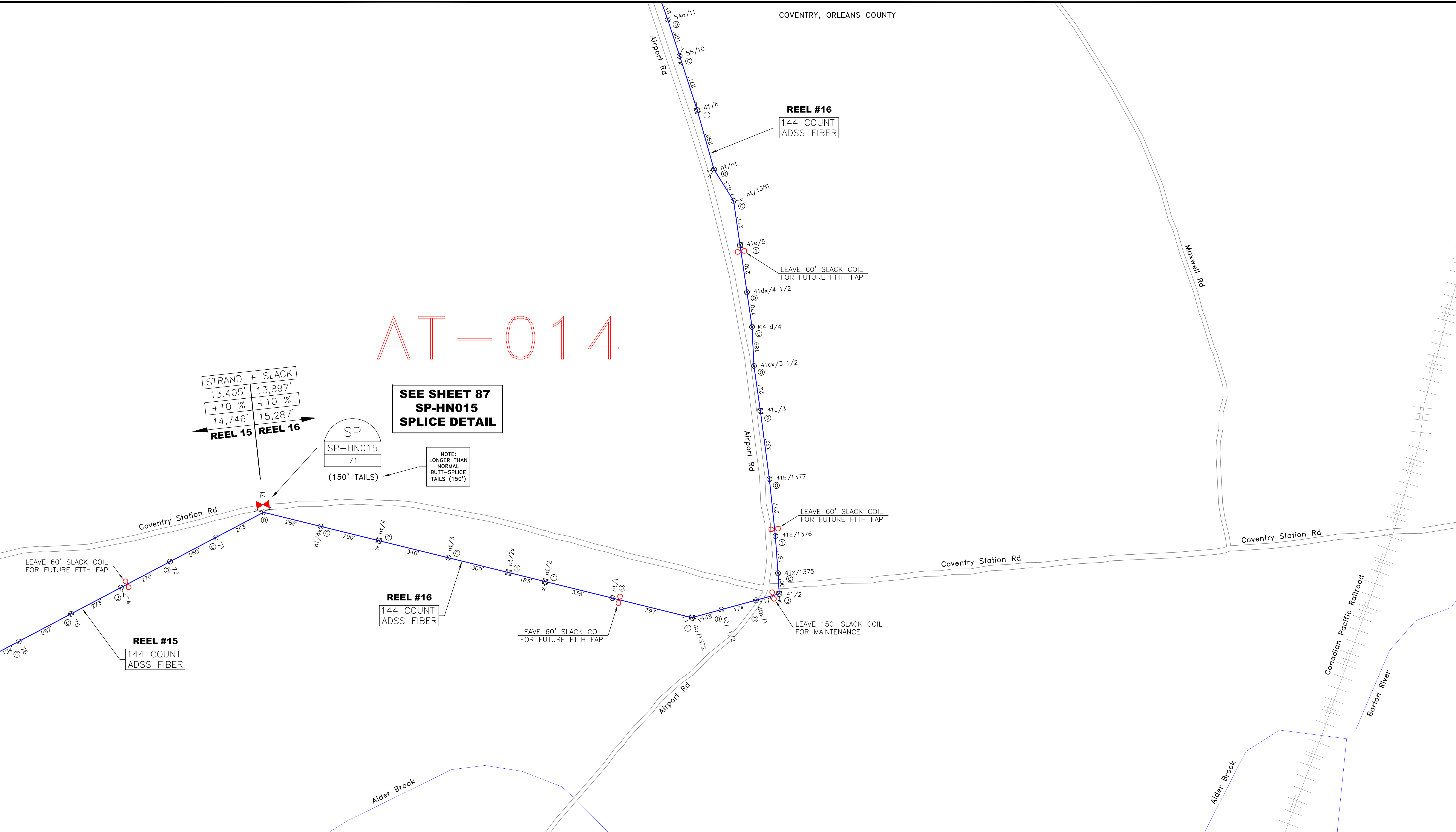
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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. AS-015
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ

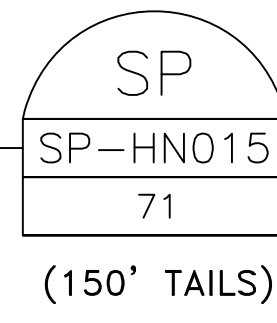
SHEET 63 OF 95

# AT-014



STRAND + SLACK	
13,405'	13,897'
+10 %	+10 %
14,746'	15,287'

**SEE SHEET 87  
SP-HN015  
SPlice DETAIL**



NOTE:  
LONGER THAN  
NORMAL  
BUTT-SPlice  
TAILS (150')

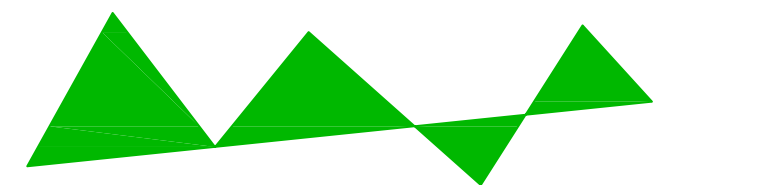
AS-013	AT-013	AU-013
AS-014	<b>AT-014</b>	AU-014
AS-015	AT-015	AU-015

  
CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

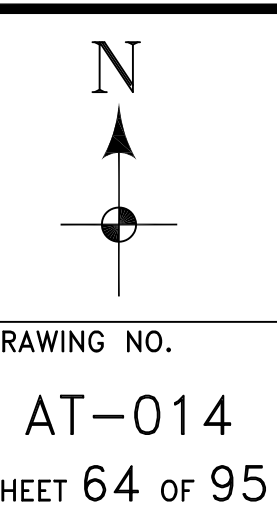
INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	7,001'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	29

Strand span distances do not include sag % tolerance.

  
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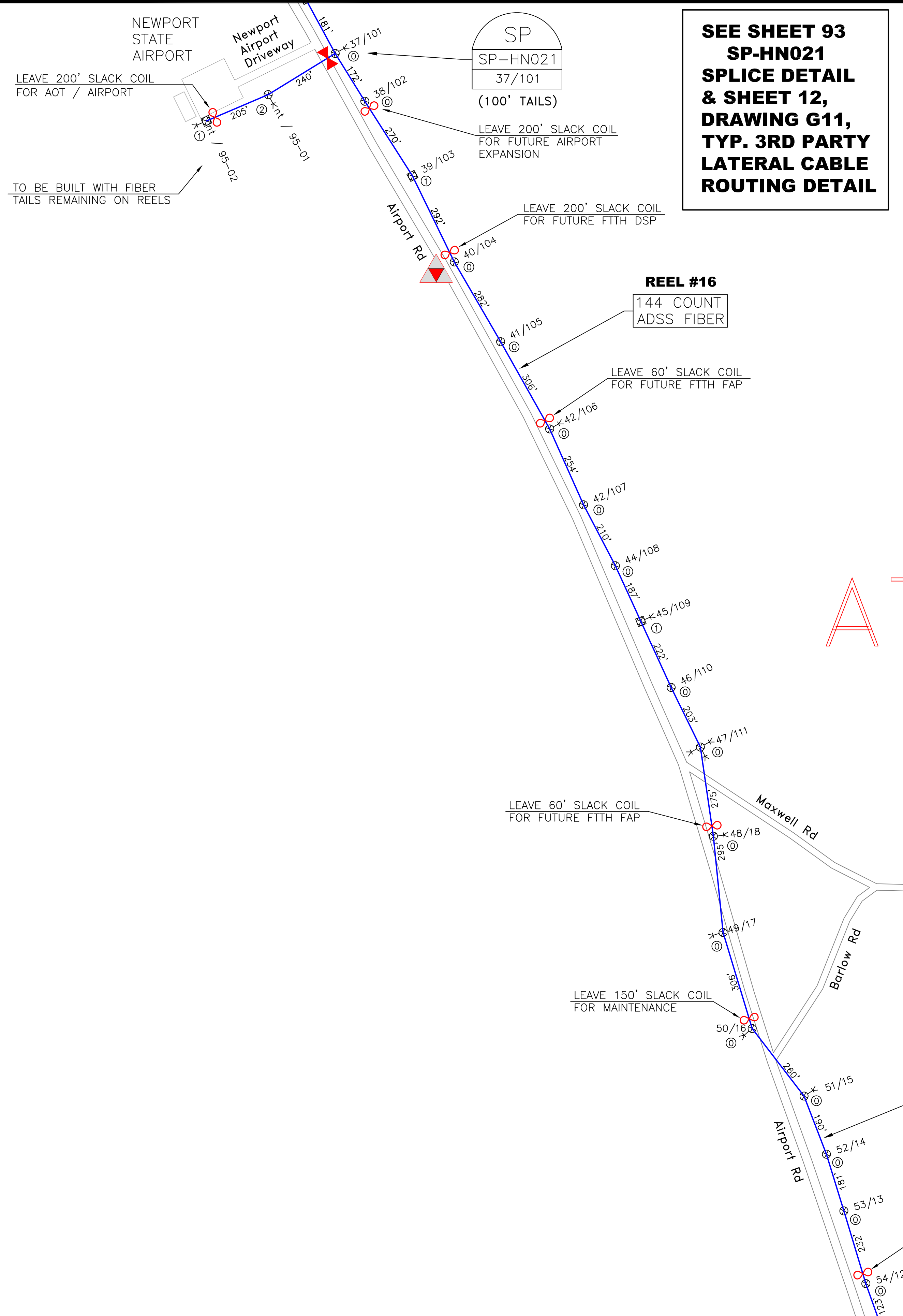
  
**MATRIX DESIGN GROUP**  
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. <b>AT-014</b>
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ





**SEE SHEET 93  
SP-HN021  
SPlice DETAIL  
& SHEET 12,  
DRAWING G11,  
TYP. 3RD PARTY  
LATERAL CABLE  
ROUTING DETAIL**



AT-013

AS-012	AT-012	AU-012
AS-013	<b>AT-013</b>	AU-013
AS-014	AT-014	AU-014

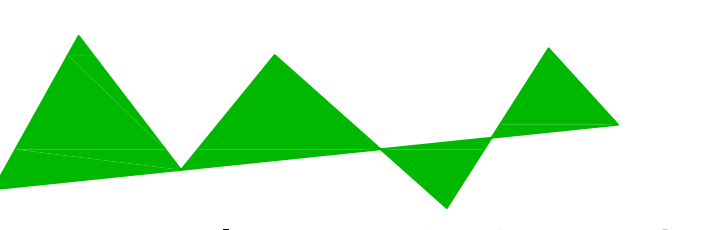


CALL BEFORE YOU DIG  
 1-888-DIGSAFE  
 1-888-344-7233  
 48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,886'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	20

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

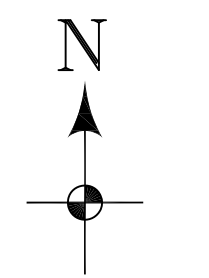
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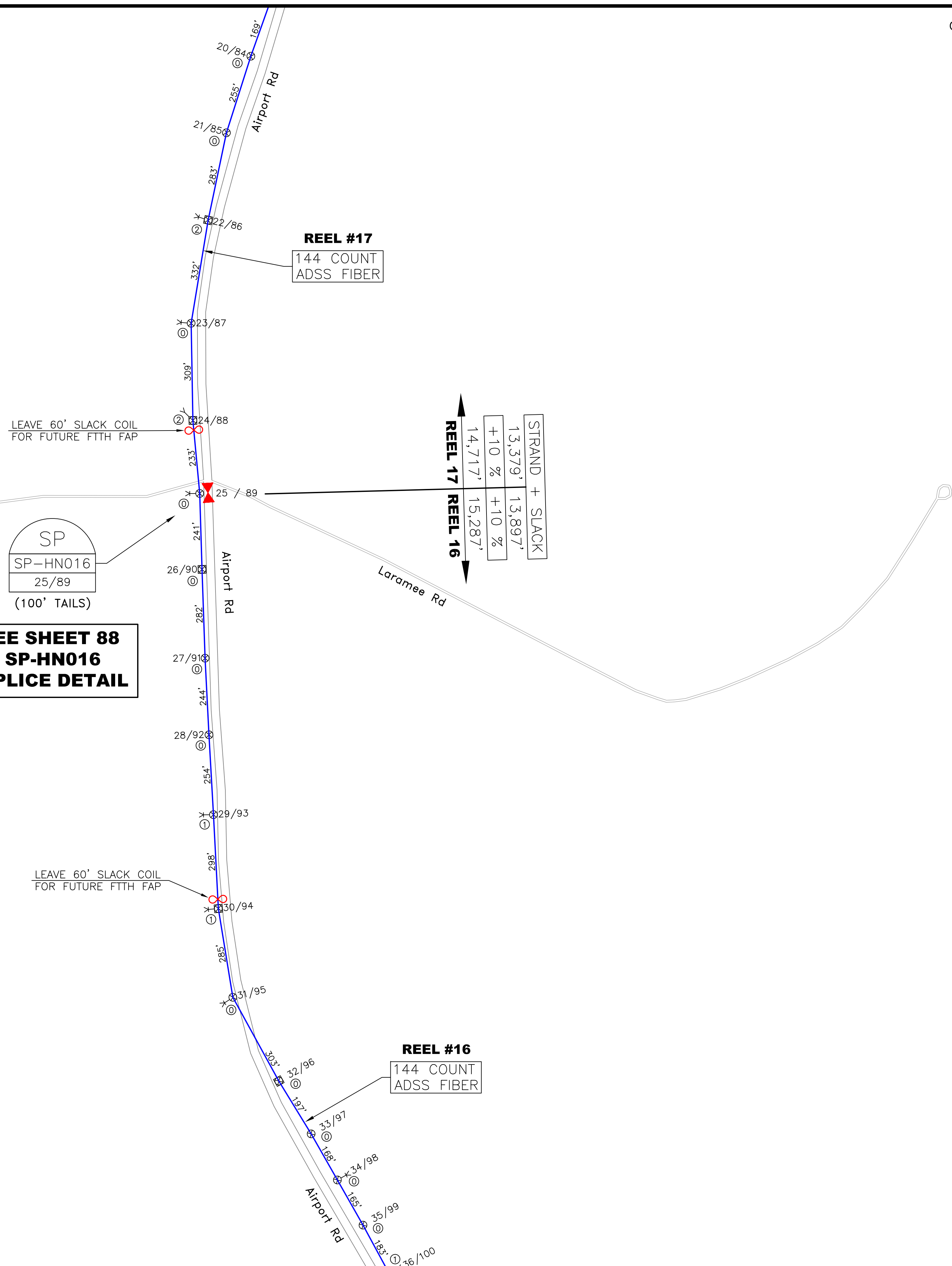
415 WATERMAN ROAD  
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 TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ



DRAWING NO.  
**AT-013**

SHEET 65 OF 95



AT-012

AS-011	AT-011	AU-011
AS-012	AT-012	AU-012
AS-013	AT-013	AU-013

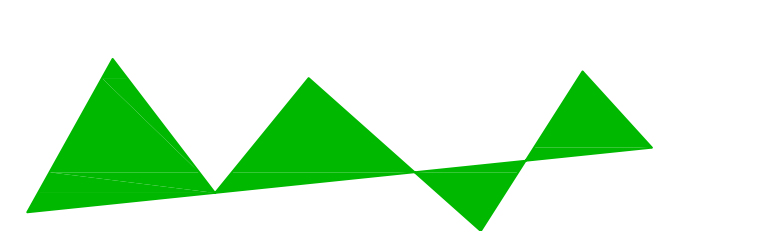


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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,201'
TOTAL STRAND FOOTAGE - (THIS SHEET)	218,749'
POLE COUNT - (THIS SHEET)	17

Strand span distances do not include sag % tolerance.



Vermont Telecommunications Authority

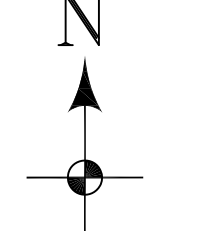
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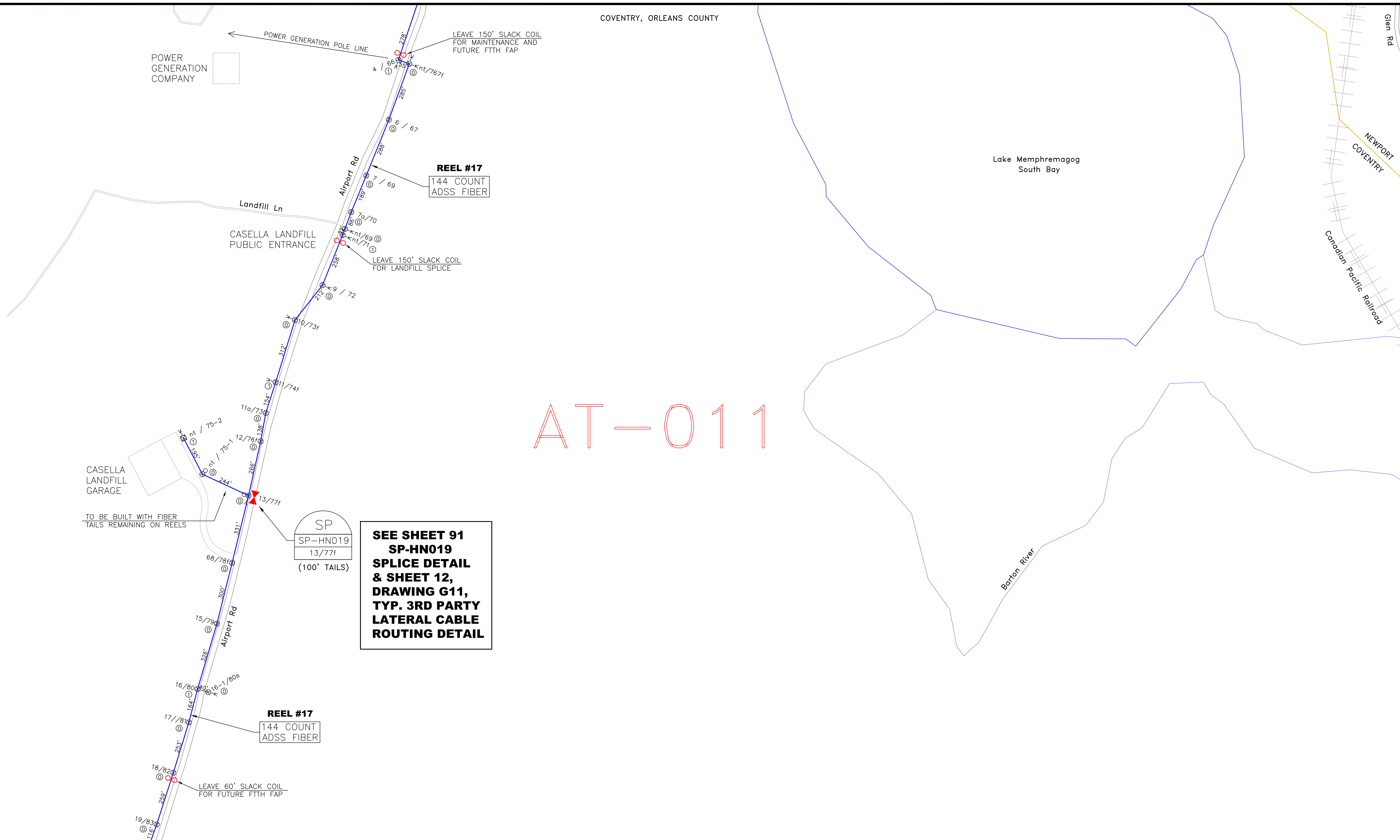
**MATRIX**  
DESIGN GROUP

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ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124	
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN	
PROJECT NO.	505.001.01	DATE: 06/01/12
SCALE:	1"=200'	DRAWN BY: JRF
		APPROVED BY: MLZ



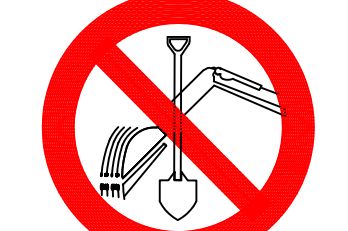
DRAWING NO.  
AT-012  
SHEET 66 OF 95



AT-011

**SEE SHEET 91  
SP-HN019  
SPLICE DETAIL  
& SHEET 12,  
DRAWING G11,  
TYP. 3RD PARTY  
LATERAL CABLE  
ROUTING DETAIL**

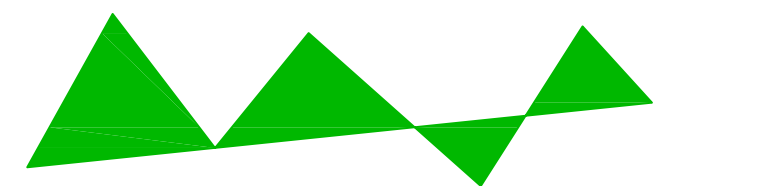
AS-010	AT-010	AU-010
AS-011	<b>AT-011</b>	AU-011
AS-012	AT-012	AU-012

  
CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,742'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	22

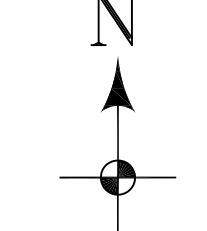
Strand span distances do not include sag % tolerance.

  
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**MATRIX DESIGN GROUP**

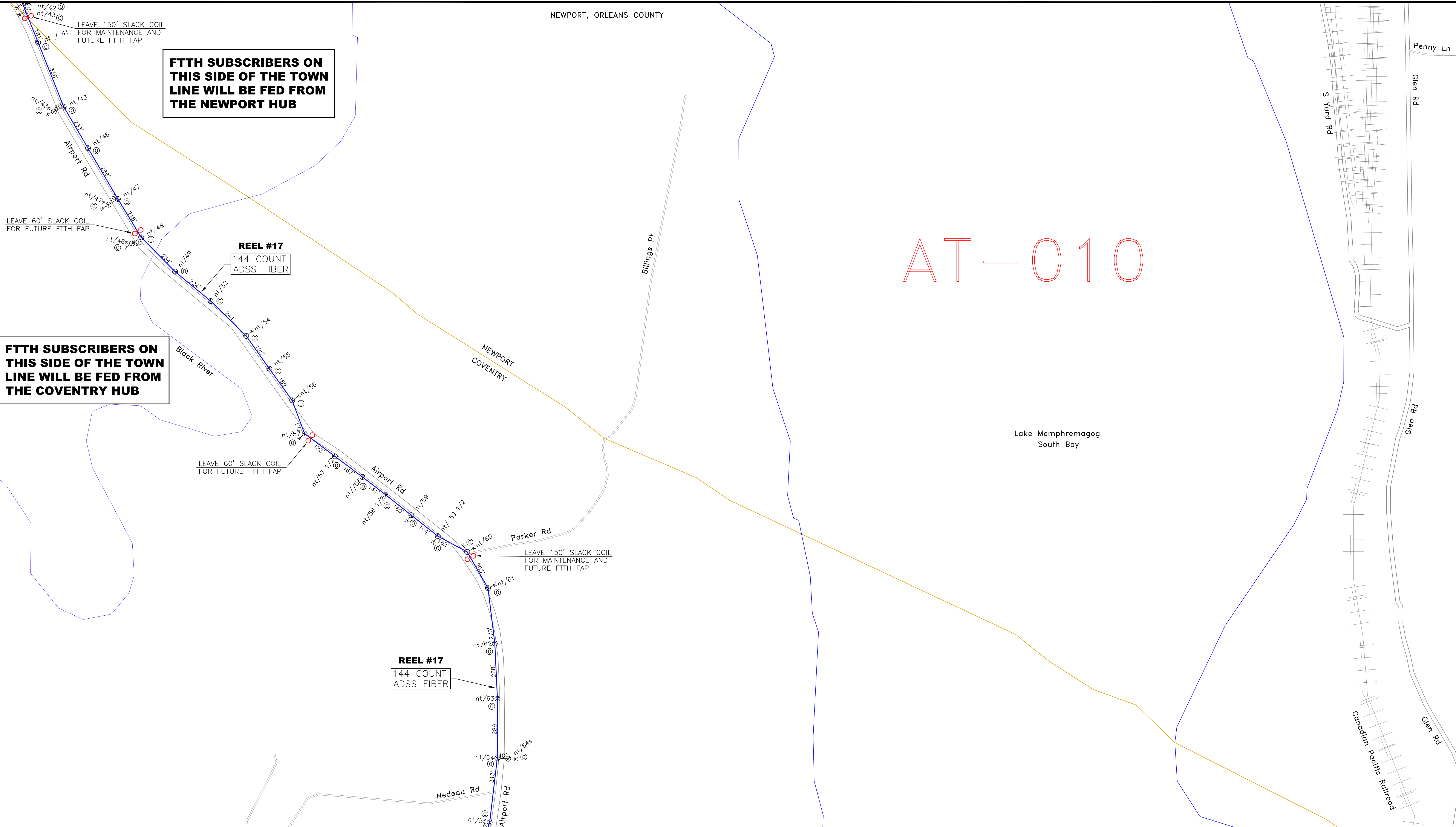
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
DRAWING NO.			AT-011
SHEET			67 OF 95

**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE NEWPORT HUB**

**FTTH SUBSCRIBERS ON THIS SIDE OF THE TOWN LINE WILL BE FED FROM THE COVENTRY HUB**

AT-010



AS-009	AT-009	AU-009
AS-010	<b>AT-010</b>	AU-010
AS-011	AT-011	AU-011

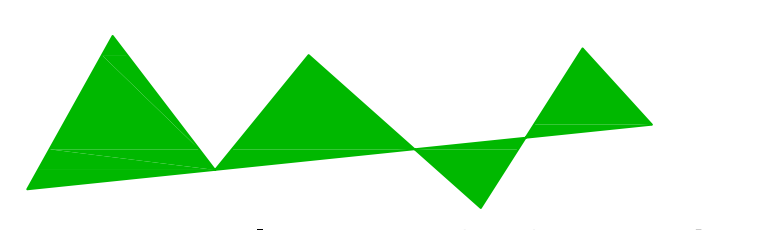


CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	4,912'
TOTAL STRAND FOOTAGE - (THIS SHEET)	218,749'
POLE COUNT - (THIS SHEET)	28

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

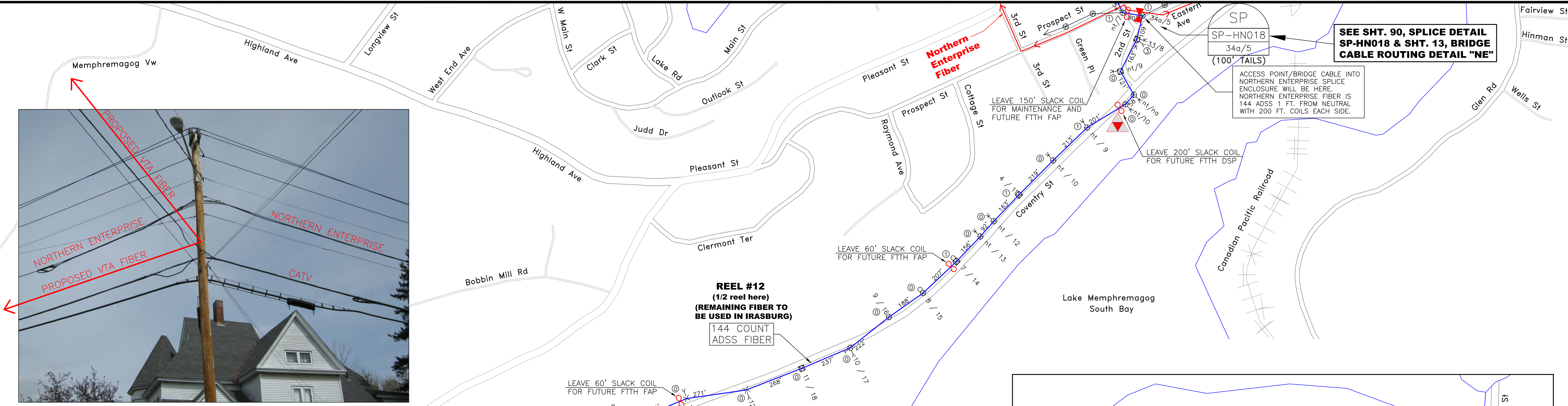
INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF VERMONT TELECOMMUNICATIONS AUTHORITY



**MATRIX DESIGN GROUP**

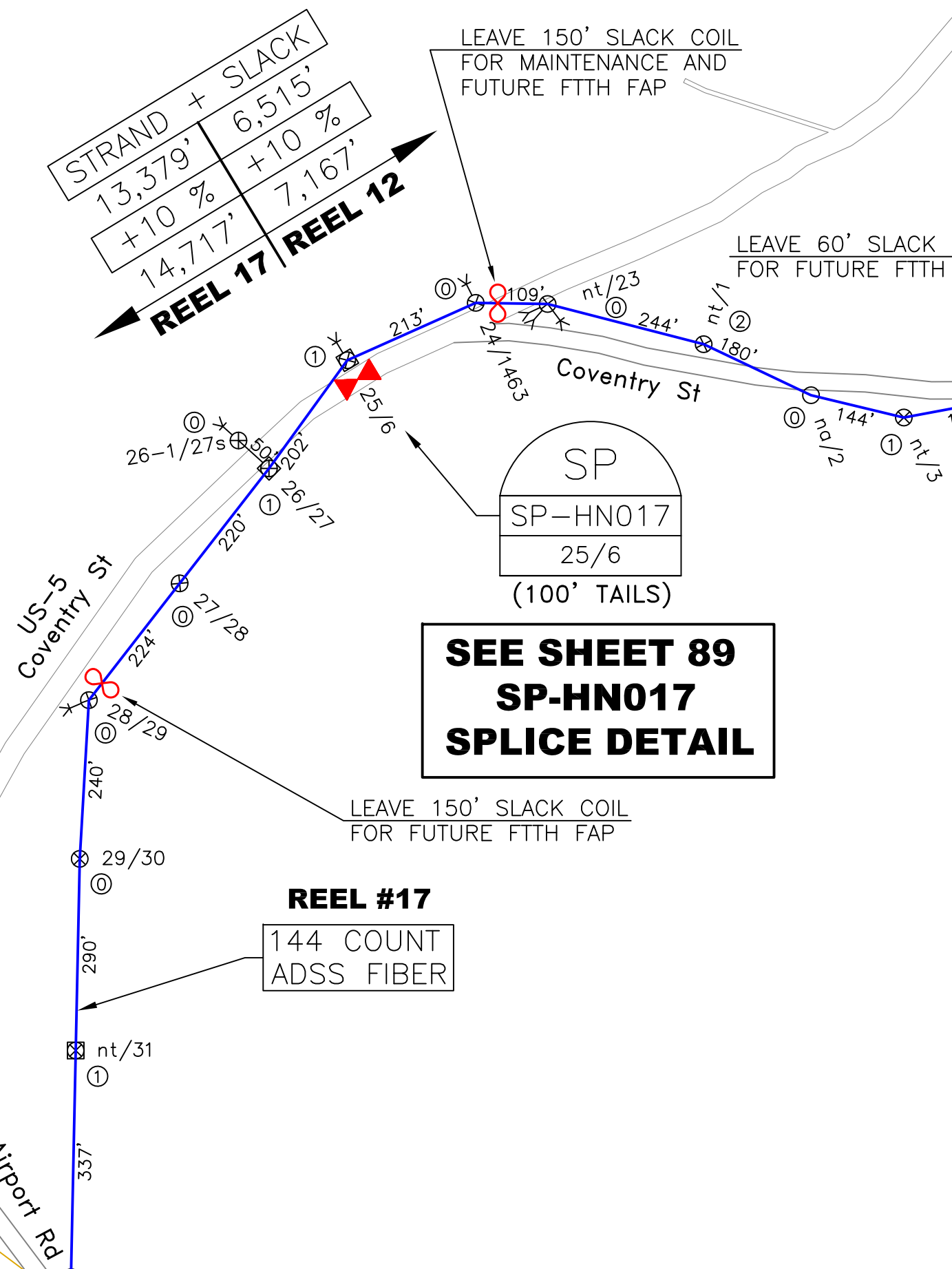
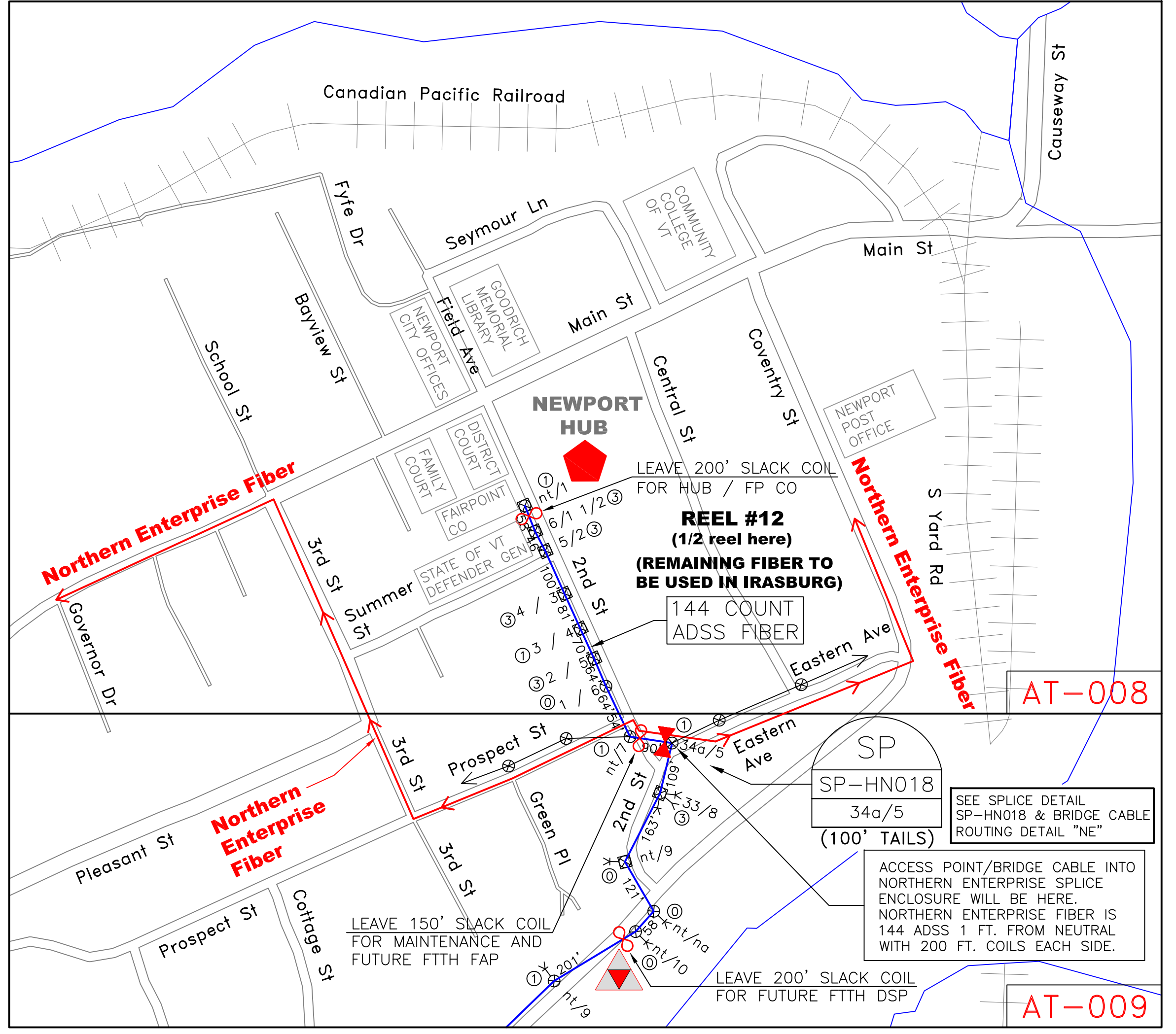
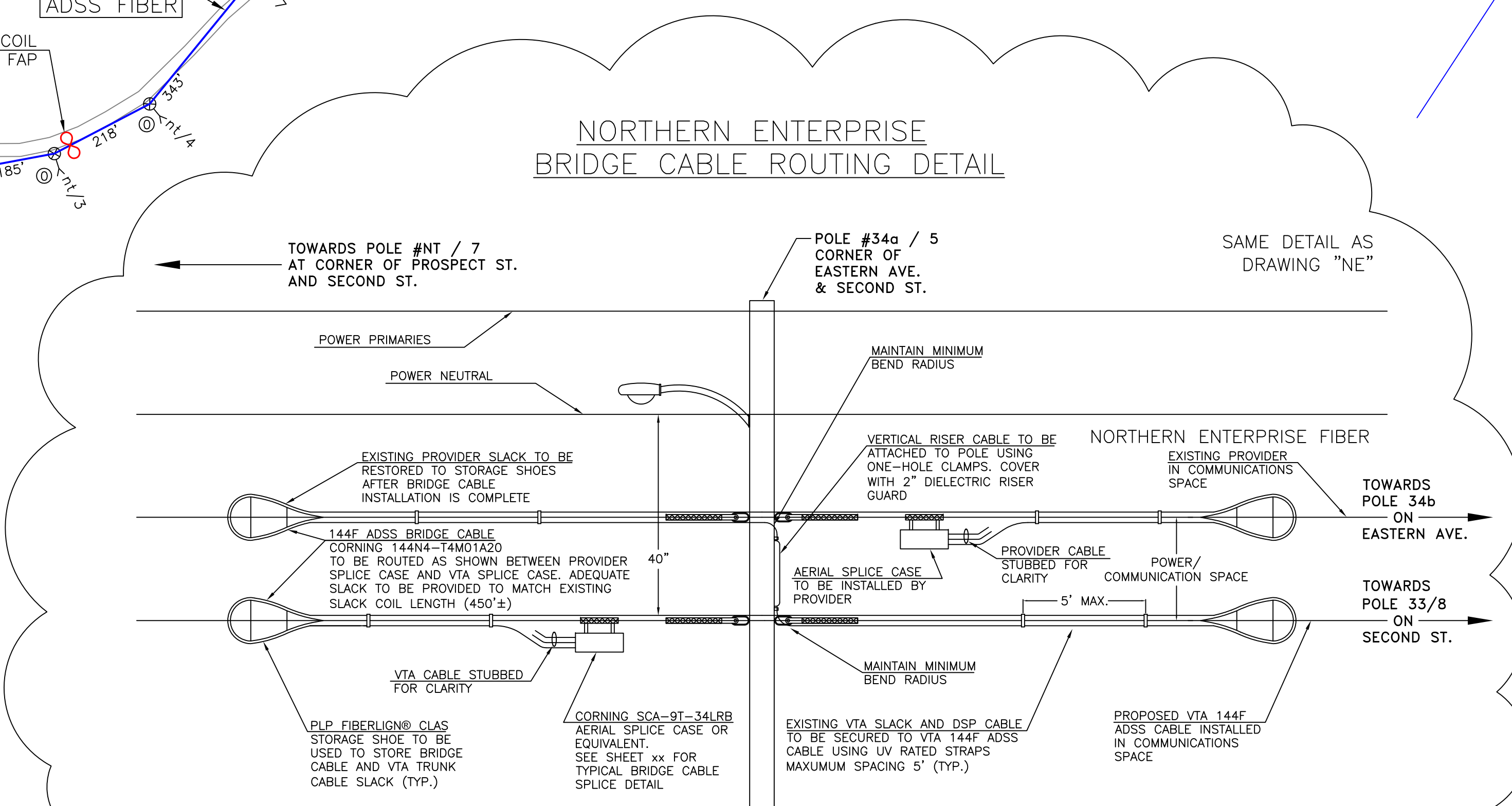
415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		DRAWING NO. AT-010
DRAWING TITLE: FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO. 505.001.01	DATE: 06/01/12	DRAWING NO. AT-010
SCALE: 1"=200'	DRAWN BY: JRF	SHEET 68 OF 95
APPROVED BY: MLZ		



POLE# 34a/5 (TAKEN FROM THE SOUTH)

AT-009



AS-008	AT-008	AU-008
AS-009	AT-009	AU-009
AS-010	AT-010	AU-010

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1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
REV 1	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 2	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

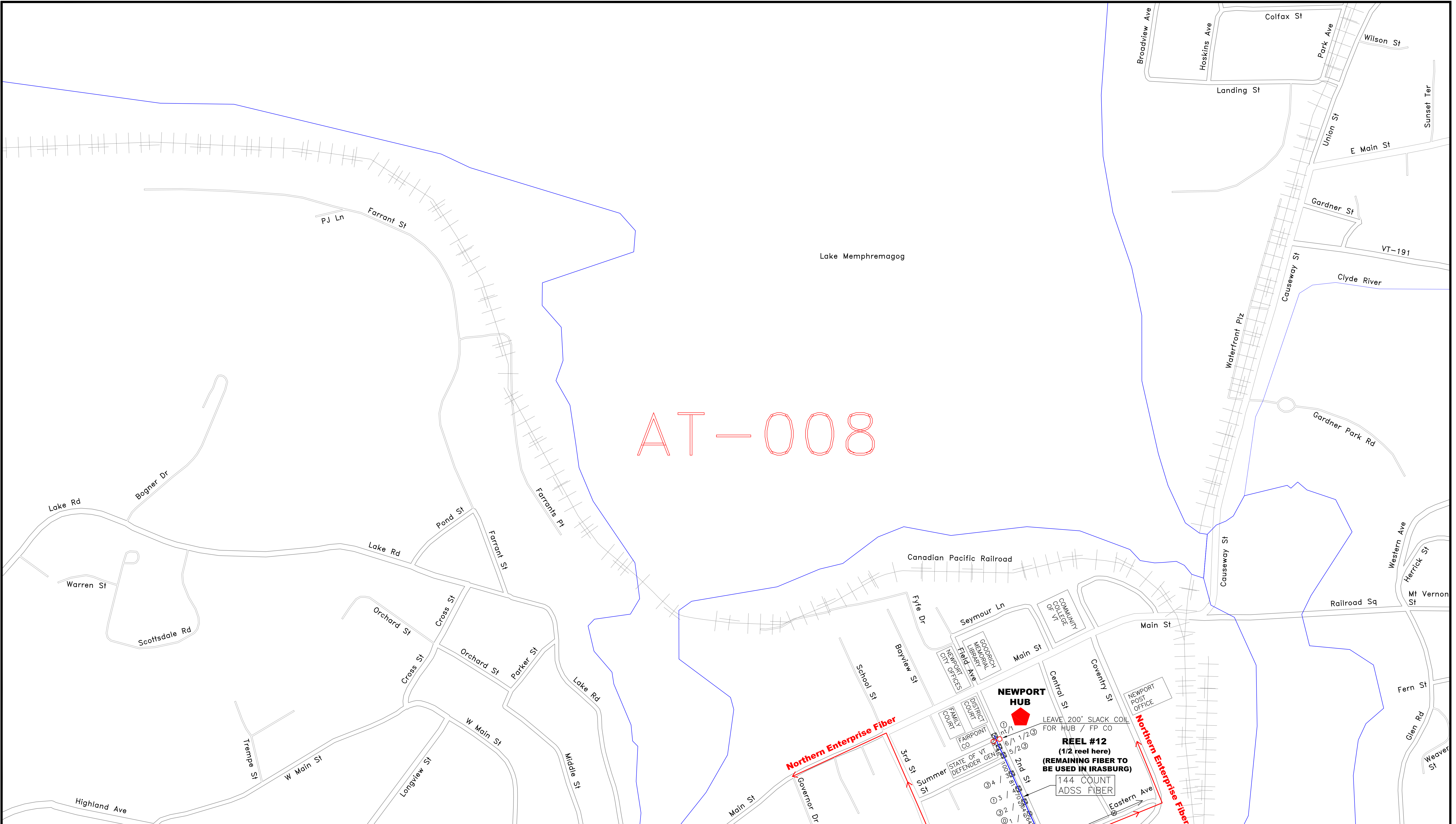
INFORMATION	VALUE
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	7,442'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	36

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
DRAWING NO.	AT-009		SHEET 69 OF 95

AT-008



**Northern Enterprise Fiber**

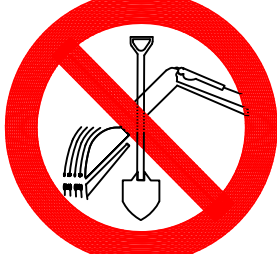
**NEWPORT HUB**

LEAVE 200' SLACK COIL FOR HUB / FP CO

**REEL #12**  
(1/2 reel here)  
(REMAINING FIBER TO BE USED IN IRASBURG)

144 COUNT ADSS FIBER

AS-007	AT-007	AU-007
AS-008	<b>AT-008</b>	AU-008
AS-009	AT-009	AU-009

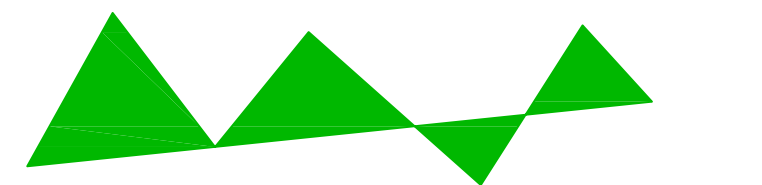


CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	482'
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	7

Strand span distances do not include sag % tolerance.



**Vermont Telecommunications Authority**

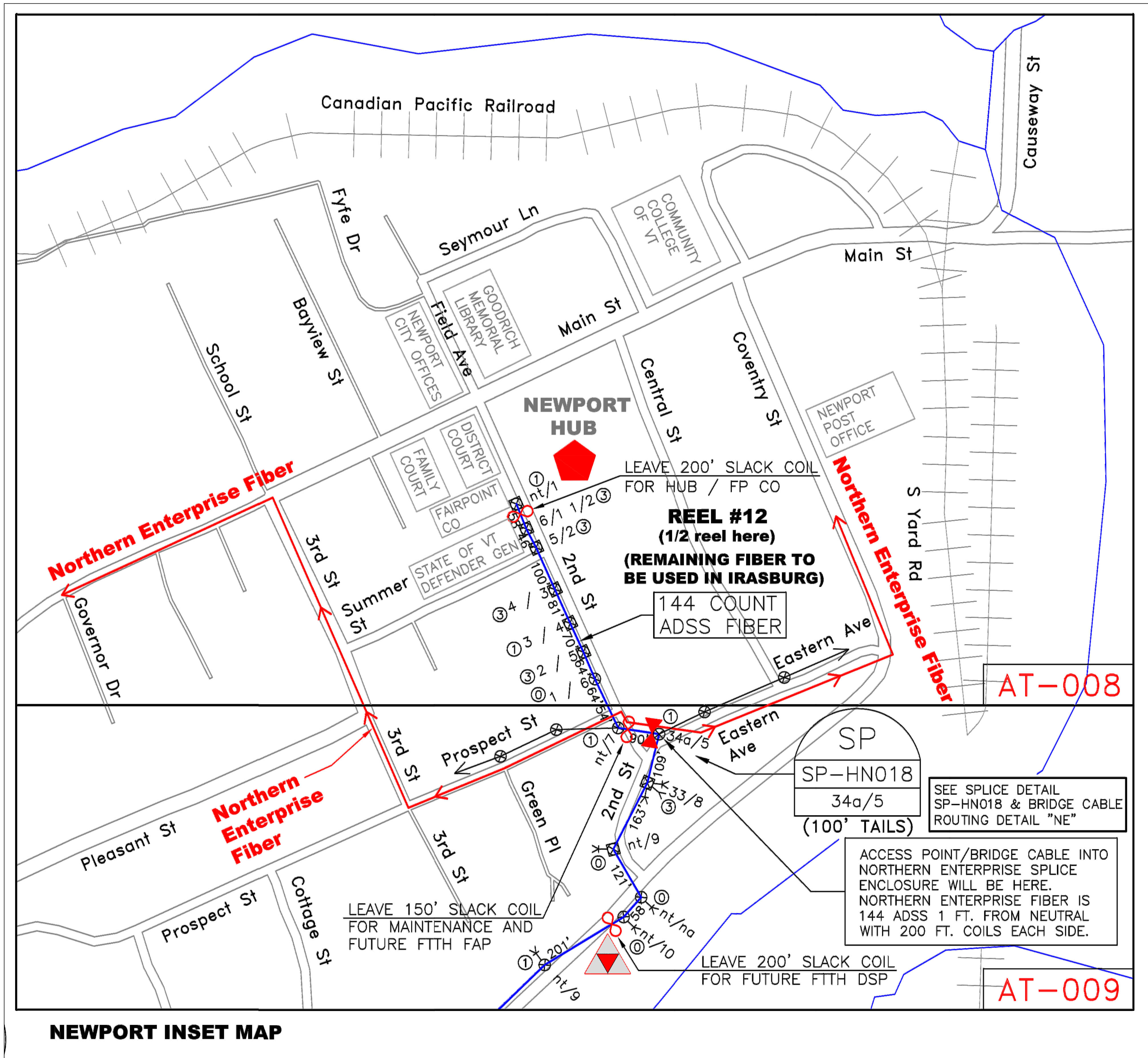
INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF VERMONT TELECOMMUNICATIONS AUTHORITY



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TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

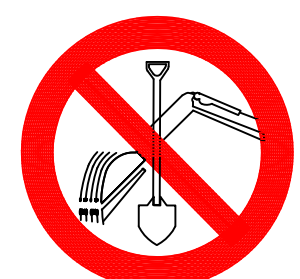
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	FIBER OPTIC FACILITIES NETWORK DESIGN		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	1"=200'	DRAWN BY:	JRF
		APPROVED BY:	MLZ
DRAWING NO.	AT-008		SHEET 70 OF 95



**NEWPORT INSET MAP**

**AT-008**

**AT-009**



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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)
TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)
Strand span distances do not include sag % tolerance.

**Vermont Telecommunications Authority**

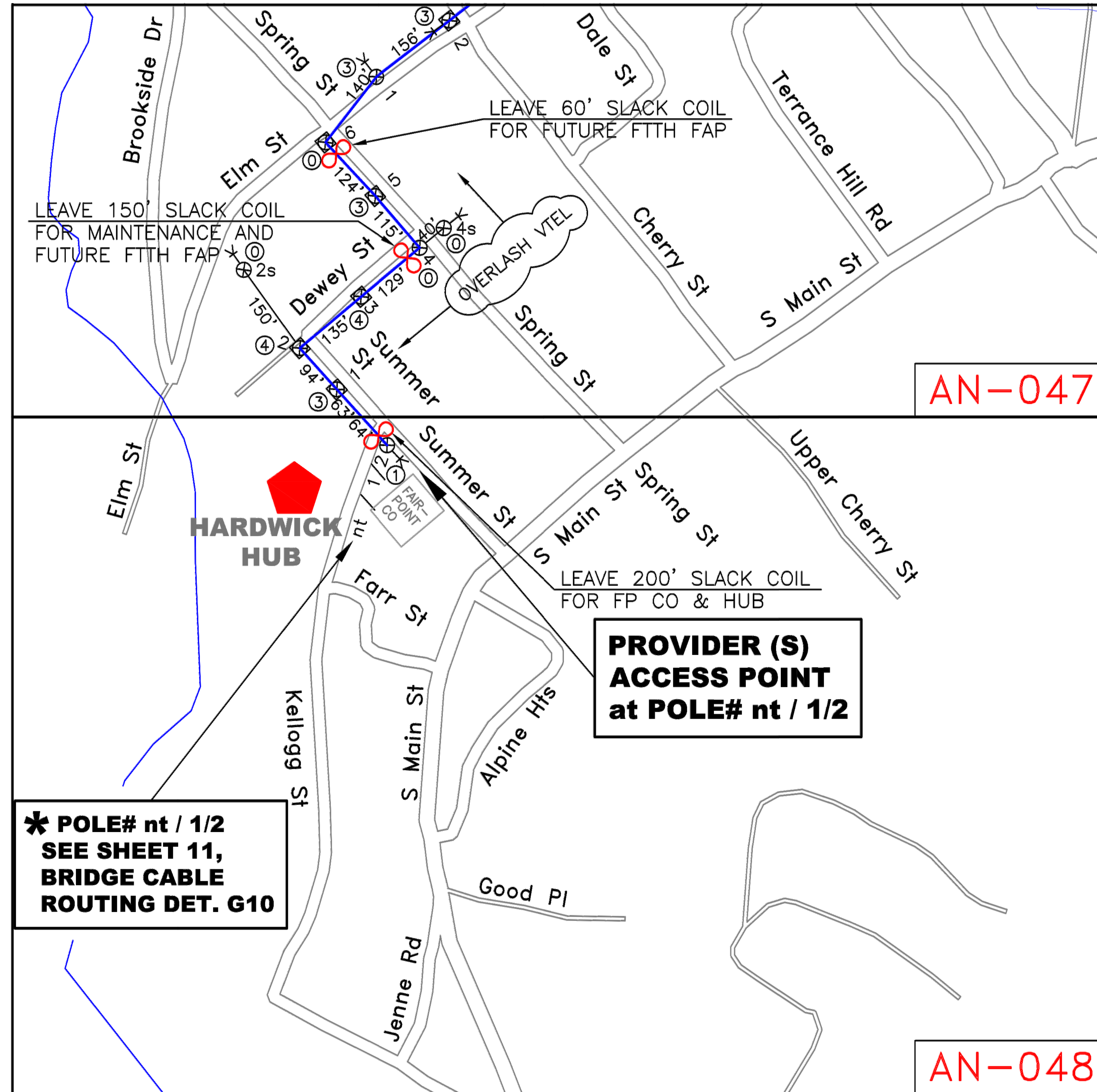
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PROJECT:	F.O. FACILITIES NETWORK DESIGN VTA-2011-124 VERMONT
DRAWING TITLE:	NEWPORT INSET MAP
PROJECT NO.:	505.001.01
DATE:	06/01/12
SCALE:	NTS
DRAWN BY:	JW
APPROVED BY:	MLZ

DRAWING NO.  
NZ  
SHEET 71 OF 95



**HARDWICK HUB INSET MAP**



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)
TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)
Strand span distances do not include sag % tolerance.

**Vermont Telecommunications Authority**

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PROJECT:	F.O. FACILITIES NETWORK DESIGN VTA-2011-124 VERMONT
DRAWING TITLE:	HARDWICK HUB INSET MAP
PROJECT NO.	505.001.01
DATE:	06/01/12
SCALE:	NTS
DRAWN BY:	JW
APPROVED BY:	MLZ

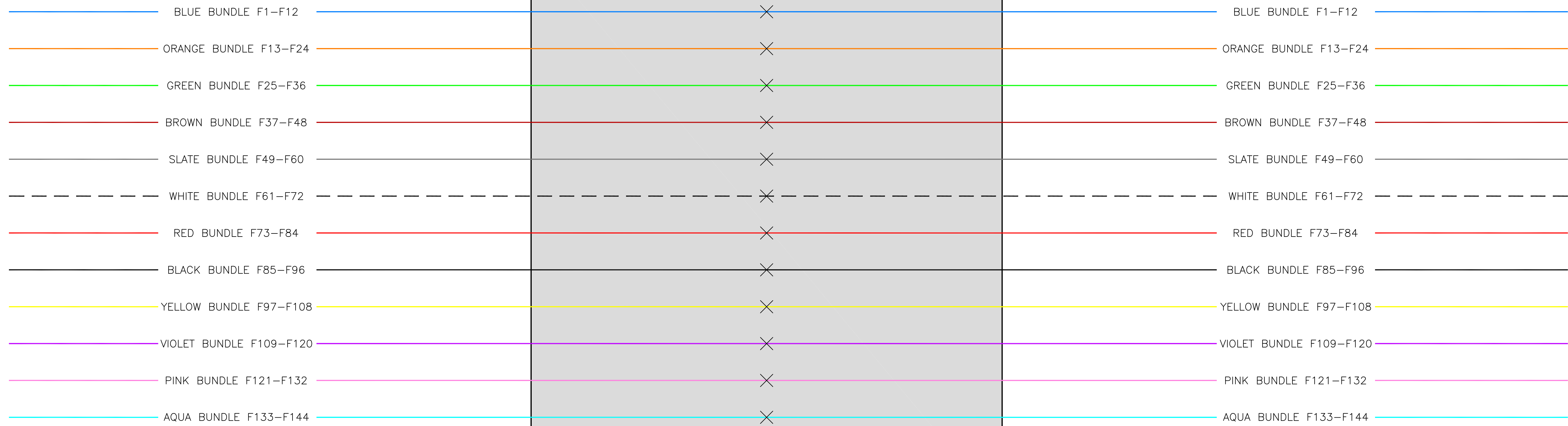
DRAWING NO.  
HZ  
SHEET 72 OF 95



# SP-HN001

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

FTTH



VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH



**LEGEND**

✕ - SPLICE

ρ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AN-045  
POLE# 27

CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
ISSUED FOR BID	JRF	MLZ	06/01/12	
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)
TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)
Strand span distances do not include sag % tolerance.

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ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124			
DRAWING TITLE: SP-HN001 BUTT SPLICE DETAIL			
PROJECT NO. 505.001.01	DATE: 06/01/12	DRAWING NO. SP-HN001	
SCALE: NTS	DRAWN BY: JRF	APPROVED BY: MLZ	SHEET 73 OF 95

N

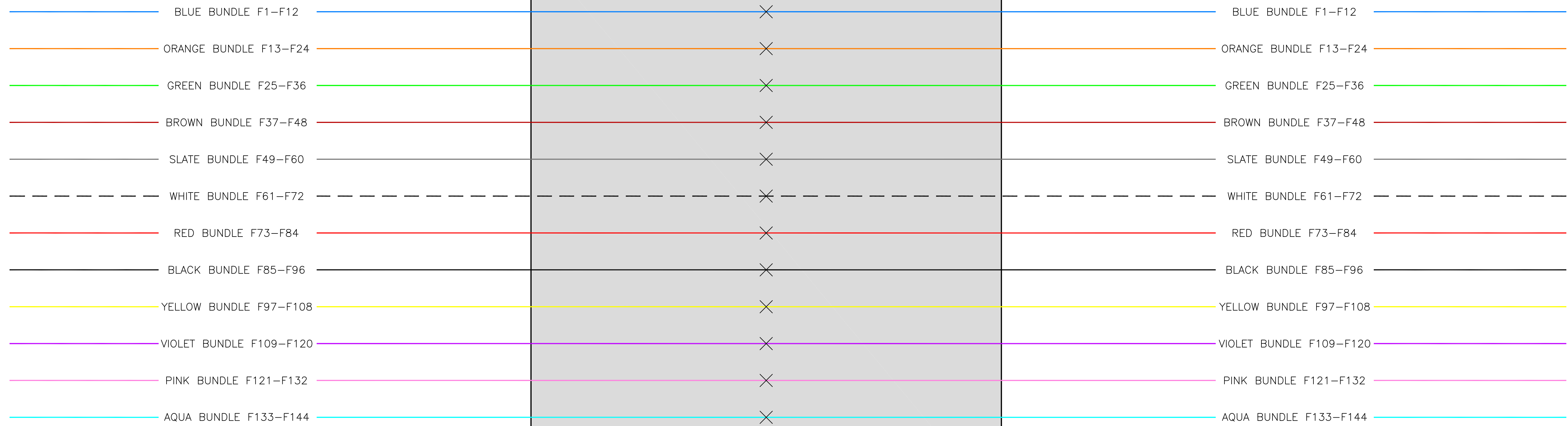
# SP-HN002

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



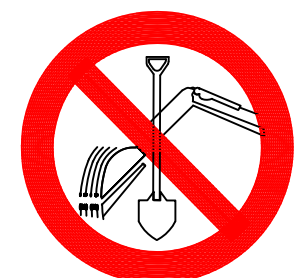
### LEGEND

✕ - SPLICE

ρ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AN-042  
POLE# 73



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)	
Strand span distances do not include sag % tolerance.	

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN002 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

N

DRAWING NO.  
SP-HN002  
SHEET 74 OF 95

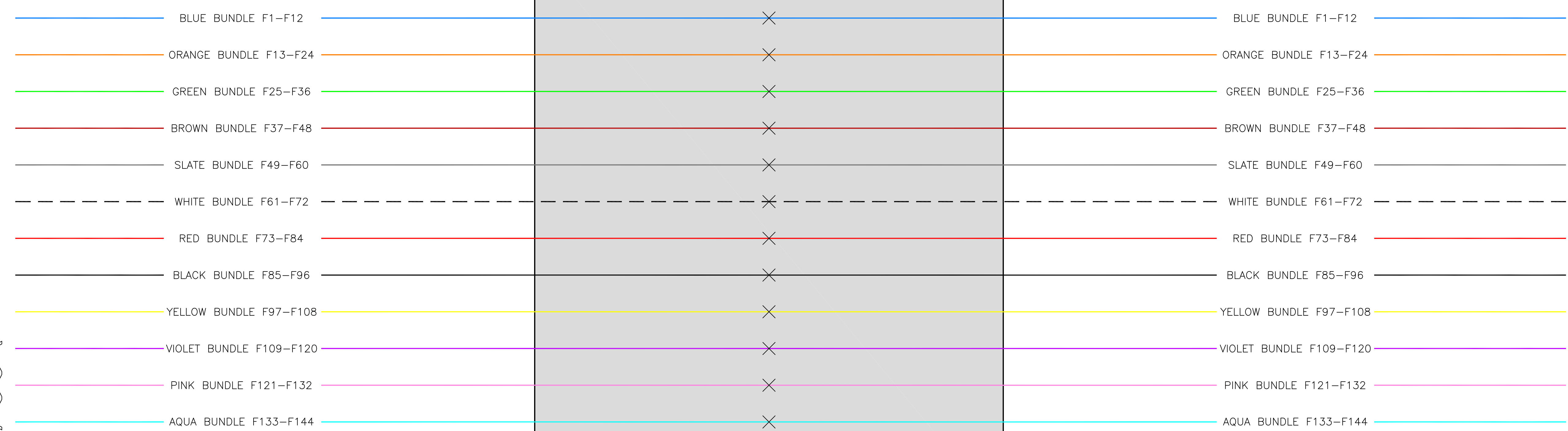
# SP-HN003

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



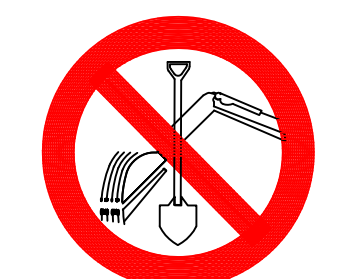
CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AO-039  
POLE# 32

**LEGEND**

✕ - SPLICE

ρ - OPEN



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	
Strand span distances do not include sag % tolerance.	

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN003 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO.  
SP-HN003  
SHEET 75 OF 95

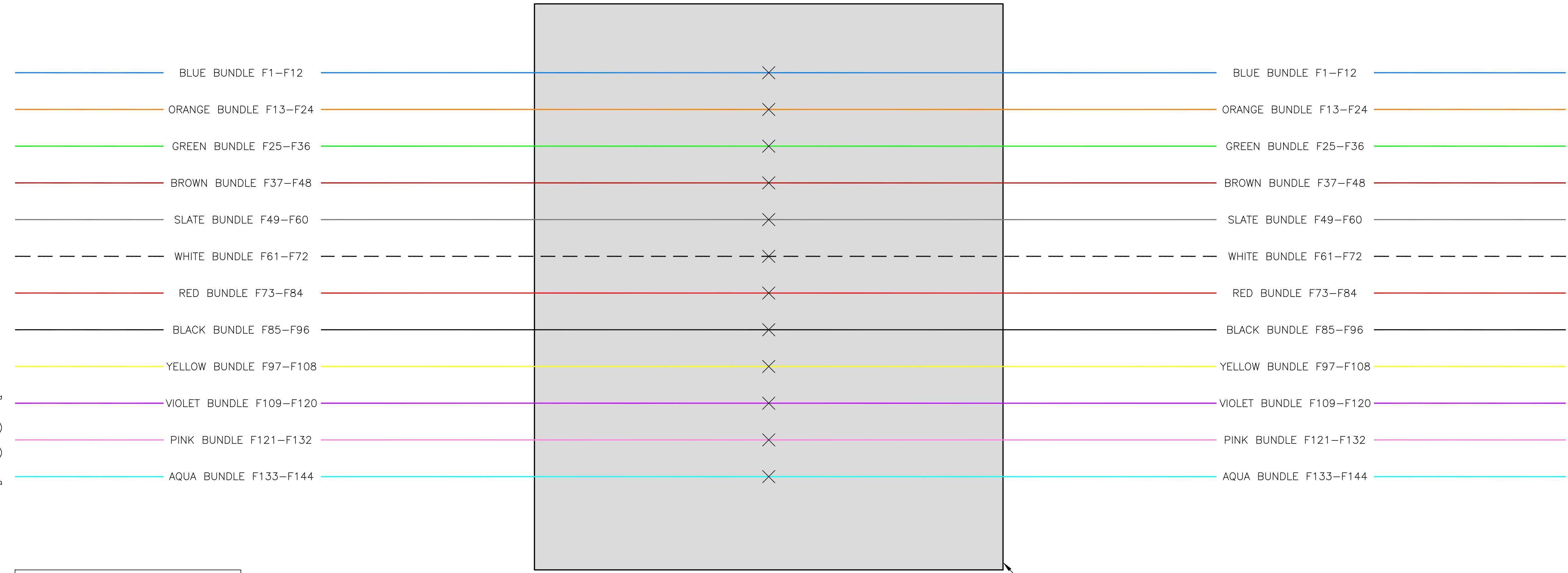
# SP-HN004

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



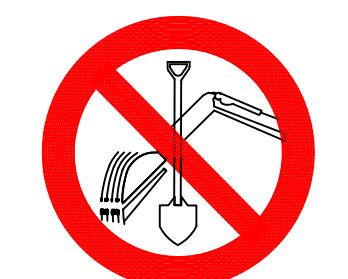
CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

**LEGEND**

X - SPLICE

ρ - OPEN

MAP AN-036  
POLE# 350



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)	
Strand span distances do not include sag % tolerance.	

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN004 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO. SP-HN004  
SHEET 76 OF 95

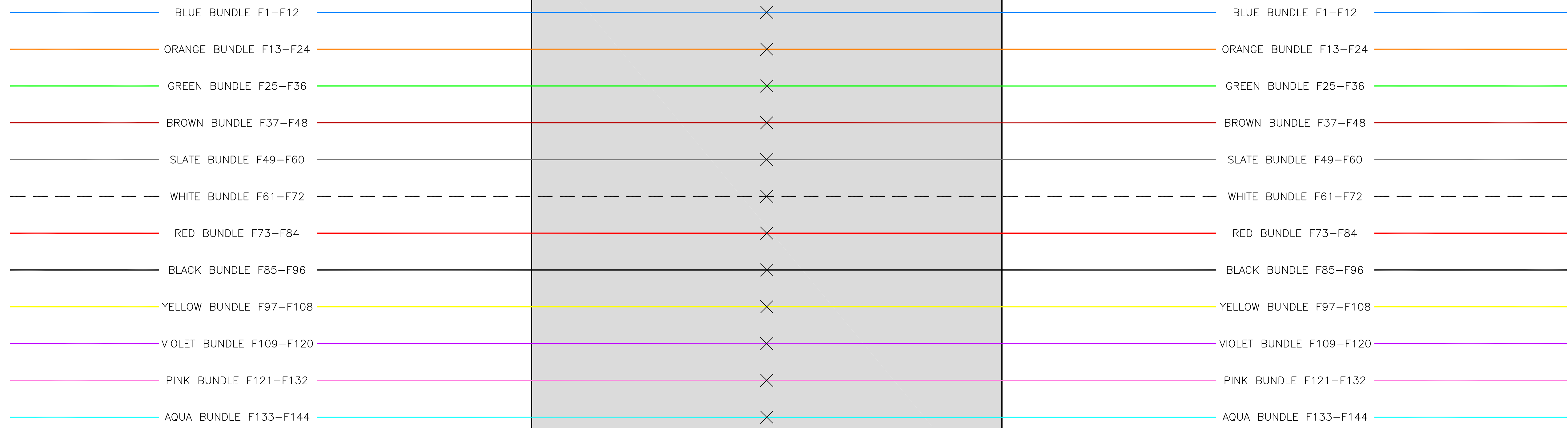
# SP-HN005

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



### LEGEND

✕ - SPLICE

Ⓟ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AN-033  
POLE# 58



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)	
Strand span distances do not include sag % tolerance.	

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN005 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

N

DRAWING NO.  
SP-HN005  
SHEET 77 OF 95

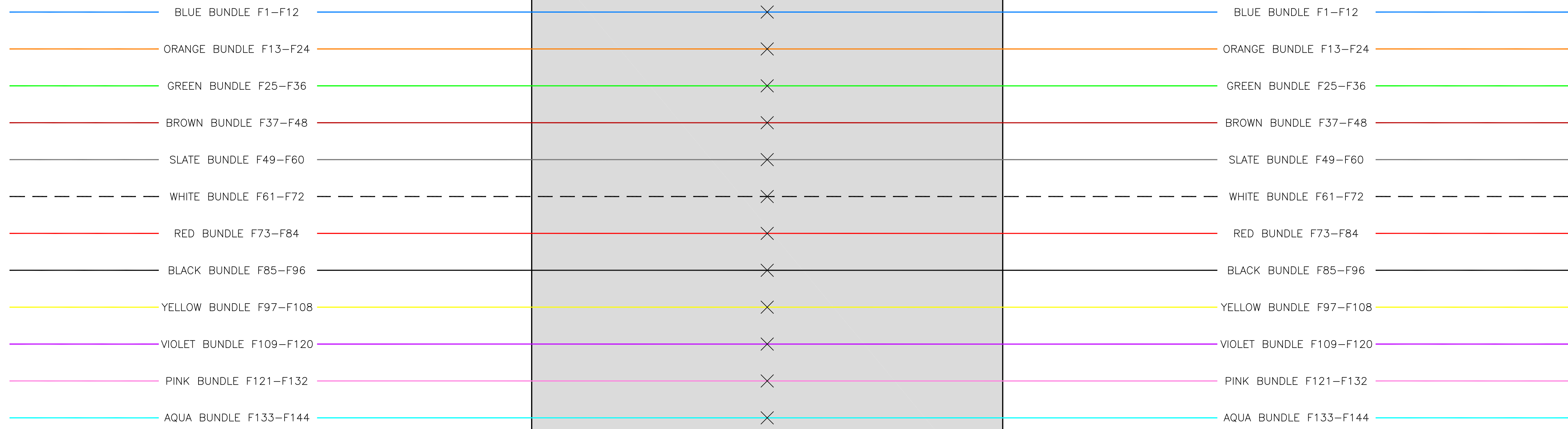
# SP-HN006

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



**LEGEND**

✕ - SPLICE

ρ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AN-031  
POLE# 21X/na



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1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)	
Strand span distances do not include sag % tolerance.	

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ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN006 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

N  
↑  
↓

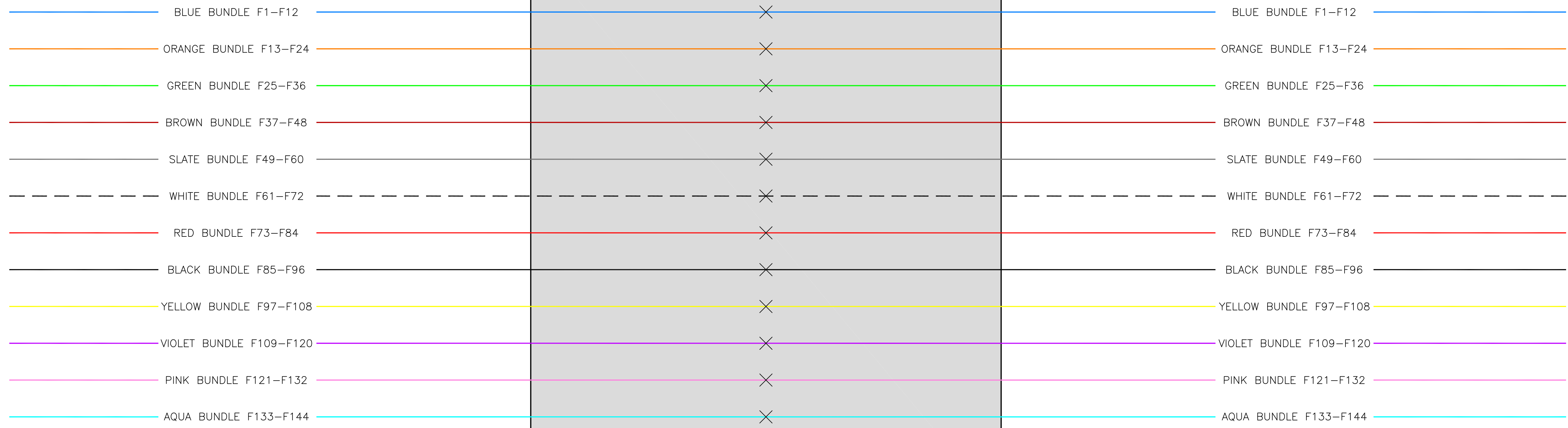
DRAWING NO.  
**SP-HN006**

SHEET 78 OF 95

# SP-HN007

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

FTTH



VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

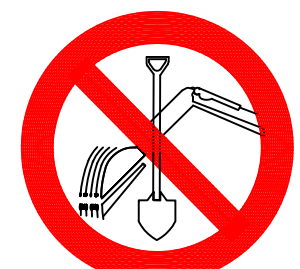
**LEGEND**

✕ - SPLICE

ρ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AO-028  
POLE# 4X / 5 1/2



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	
TOTAL STRAND FOOTAGE -	218,749'
POLE COUNT - (THIS SHEET)	
Strand span distances do not include sag % tolerance.	

Vermont Telecommunications Authority

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**MATRIX**  
DESIGN GROUP

415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

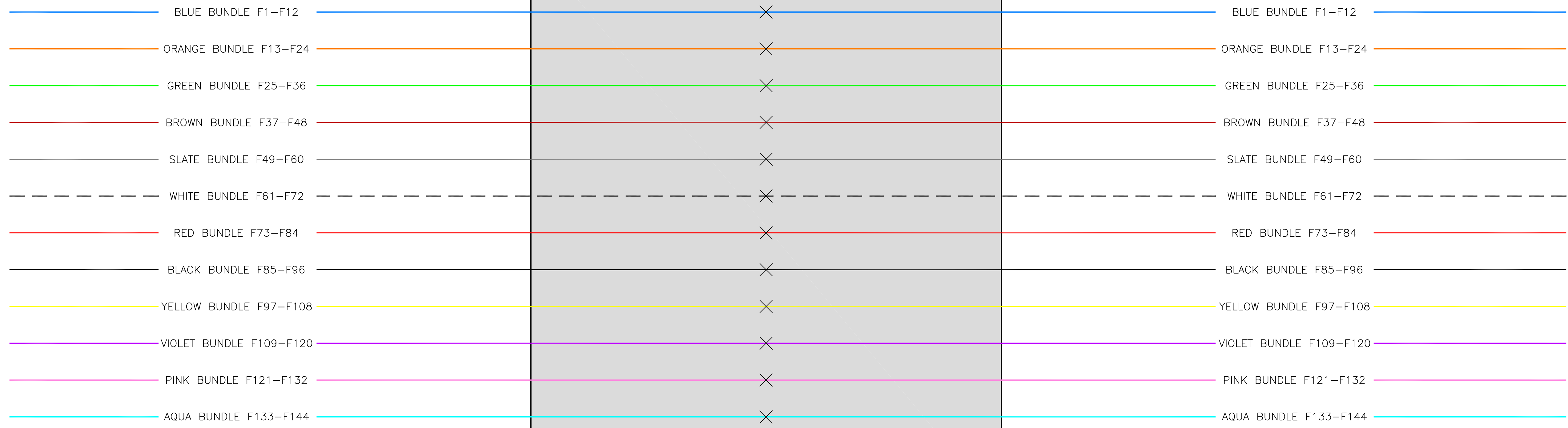
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN007 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO.  
SP-HN007  
SHEET 79 OF 95

# SP-HN008

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

FTTH



VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

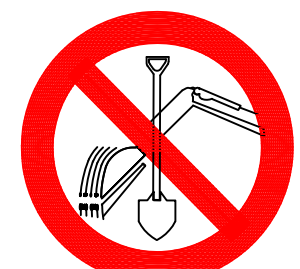
**LEGEND**

X - SPLICE

⌒ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AN-027  
POLE# nt / 10 1/2



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN008 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

N

DRAWING NO.  
SP-HN008  
SHEET 80 OF 95



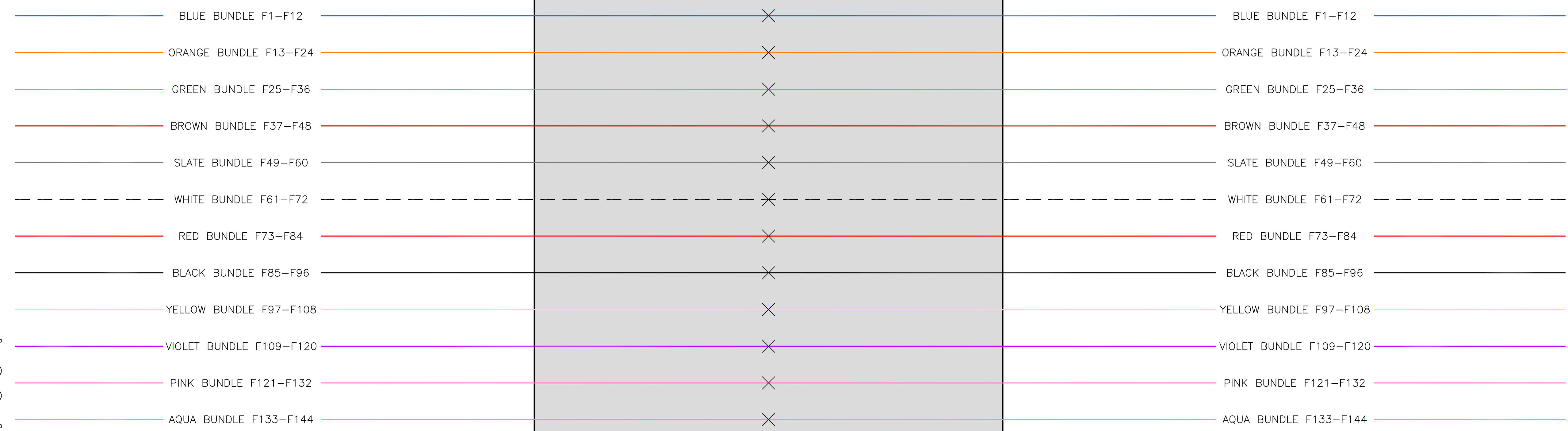
# SP-HN009

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



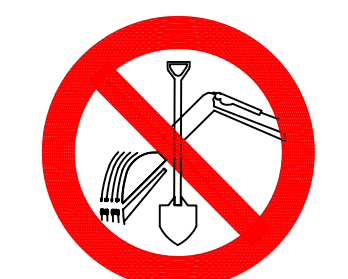
**LEGEND**

X - SPLICE

ρ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AO-025  
POLE# 179/340



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN009 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO.  
SP-HN009  
SHEET 81 OF 95

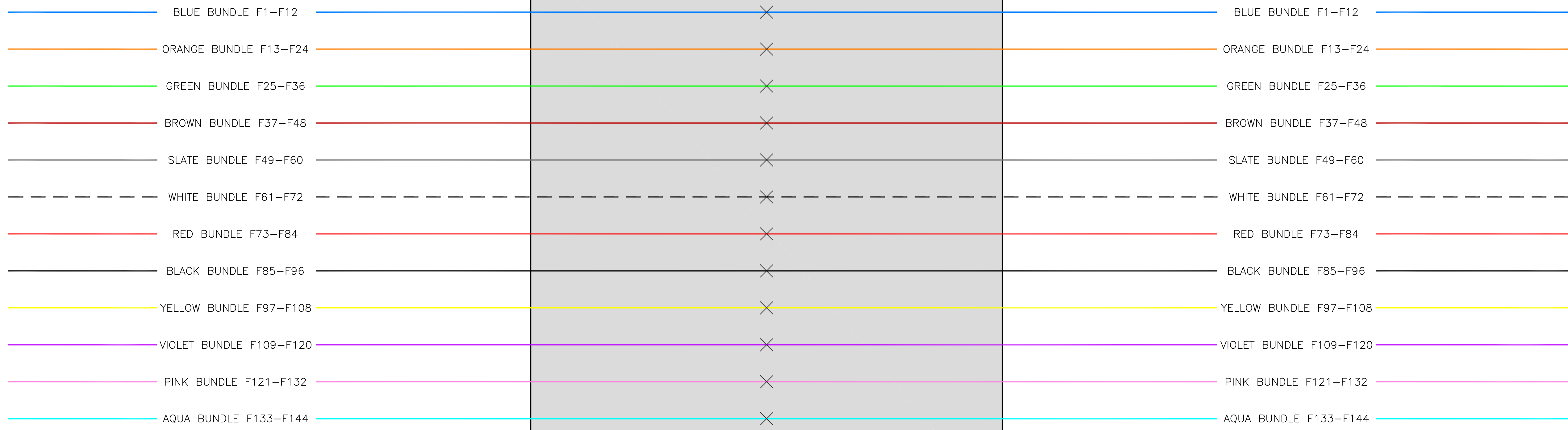
# SP-HN010

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



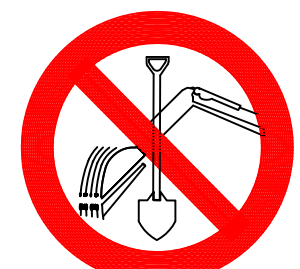
**LEGEND**

✕ - SPLICE

ρ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AP-023  
POLE# 102/265



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN010 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

N  
↑  
↓

DRAWING NO.  
**SP-HN010**

SHEET 82 OF 95

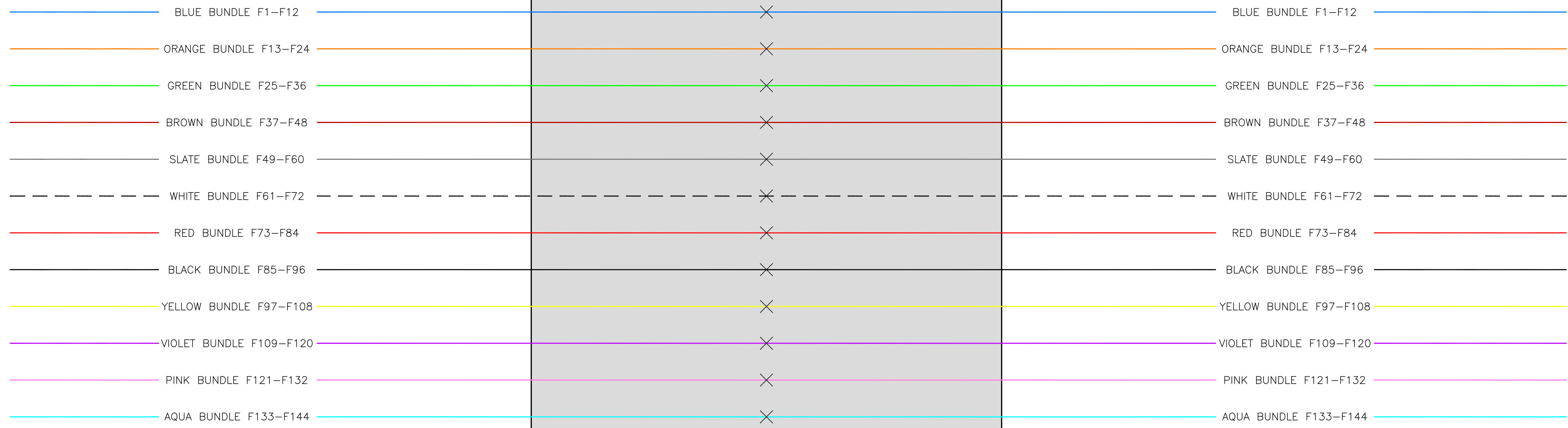
# SP-HN011

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



LEGEND

✕ - SPLICE

⌒ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AQ-021  
POLE# 37/195

			<p style="font-size: 8px;">CALL BEFORE YOU DIG 1-888-DIGSAFE 1-888-344-7233 48 HOURS NOTICE REQUIRED</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>BY</th> <th>APVD</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td>ISSUED FOR BID</td> <td>JRF</td> <td>MLZ</td> <td>06/01/12</td> </tr> <tr> <td>REV 1</td> <td>Moved SP-HN006 &amp; SP-HN007</td> <td>JRF</td> <td>MLZ</td> <td>01/28/13</td> </tr> <tr> <td>REV 2</td> <td>STRAND+SLACK TOTALS ADDED</td> <td>JRF</td> <td>MLZ</td> <td>01/29/13</td> </tr> </tbody> </table>	REV	DESCRIPTION	BY	APVD	DATE		ISSUED FOR BID	JRF	MLZ	06/01/12	REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13	REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13	<p><b>INFORMATION</b></p> <p>STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)</p> <p>TOTAL STRAND FOOTAGE - 218,749'</p> <p>POLE COUNT - (THIS SHEET)</p> <p style="font-size: 8px;">Strand span distances do not include sag % tolerance.</p>	<p style="font-size: 8px;">INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF VERMONT TELECOMMUNICATIONS AUTHORITY</p>	<p style="font-size: 8px;">415 WATERMAN ROAD ROYALTON, VERMONT 05001 TELEPHONE: (866) 792-9930 FAX: (973) 503-5666</p>	<p>PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124</p> <p>DRAWING TITLE: SP-HN011 BUTT SPLICE DETAIL</p> <p>PROJECT NO. 505.001.01 DATE: 06/01/12</p> <p>SCALE: NTS DRAWN BY: JRF APPROVED BY: MLZ</p>	<p>N</p>
REV	DESCRIPTION	BY	APVD	DATE																									
	ISSUED FOR BID	JRF	MLZ	06/01/12																									
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13																									
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13																									
										DRAWING NO. <b>SP-HN011</b> SHEET 83 OF 95																			

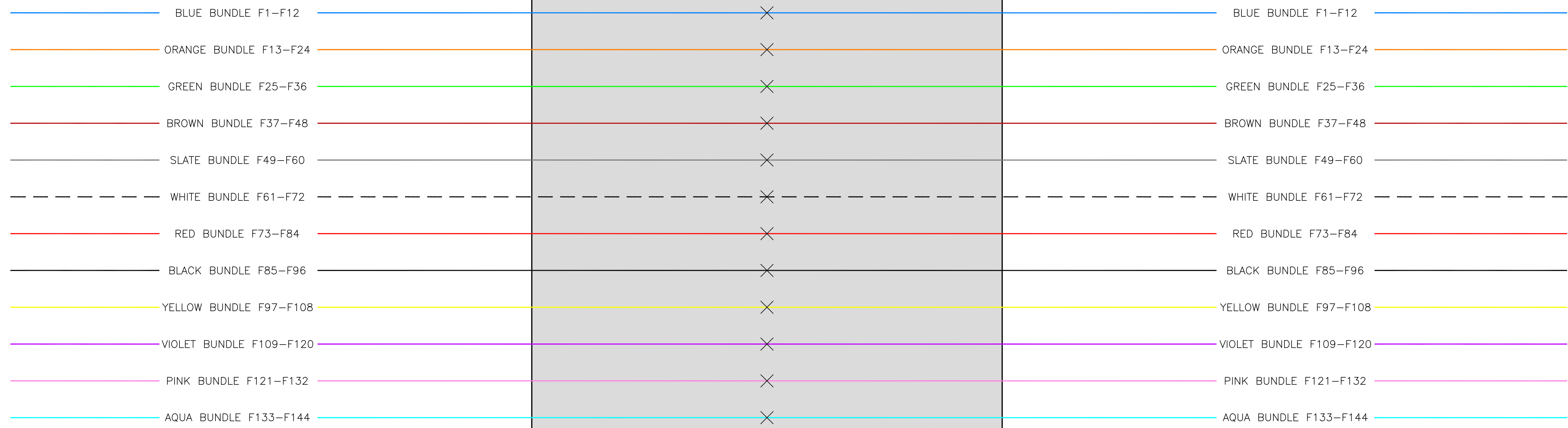
# SP-HN012

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



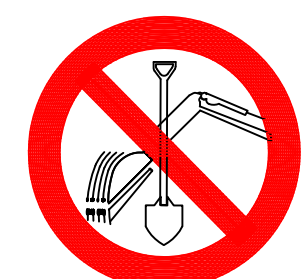
### LEGEND

✕ - SPLICE

⌚ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

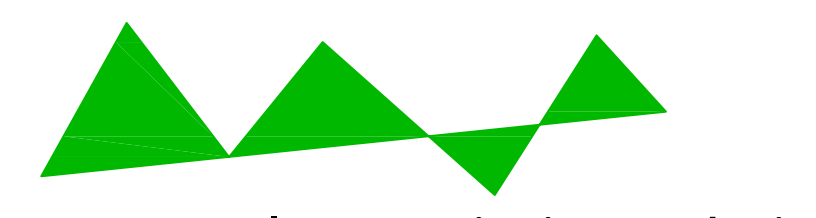
MAP AR-020  
POLE# 61/91



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)	
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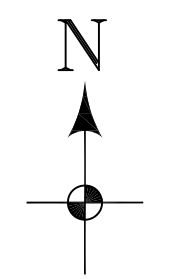


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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN012 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ



DRAWING NO.  
**SP-HN012**  
SHEET 84 OF 95

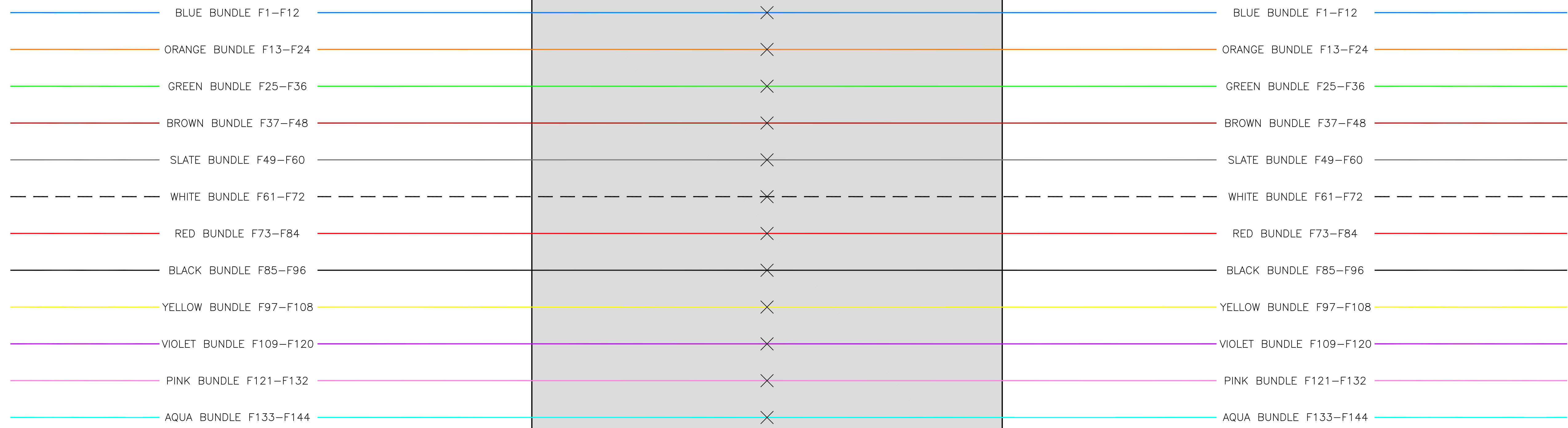
# SP-HN013

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



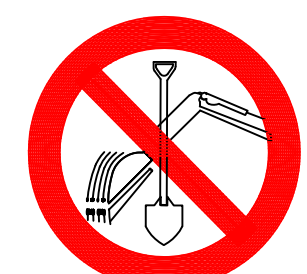
### LEGEND

✕ - SPLICE

⌒ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

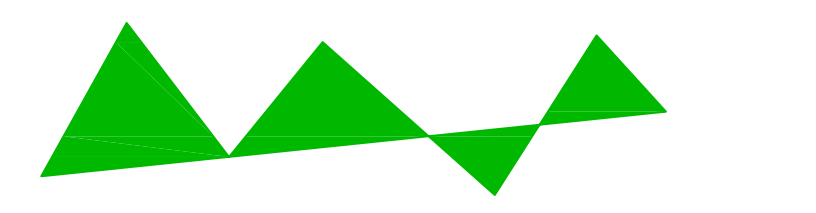
AQ-017  
POLE# 11



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
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POLE COUNT - (THIS SHEET)	
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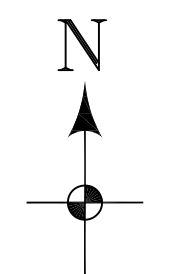


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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN013 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ



DRAWING NO.  
**SP-HN013**  
SHEET 85 OF 95

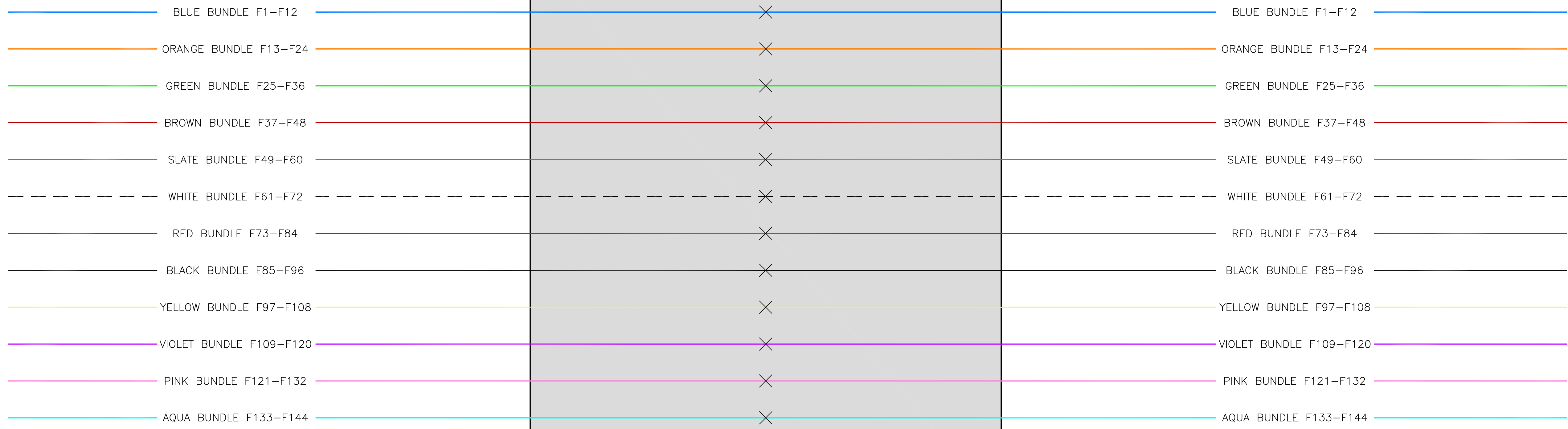
# SP-HN014

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



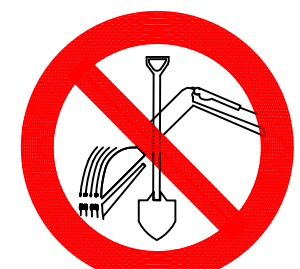
### LEGEND

✕ - SPLICE

⌚ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AR-015  
POLE# 117



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

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PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN014 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO.  
**SP-HN014**  
SHEET 86 OF 95

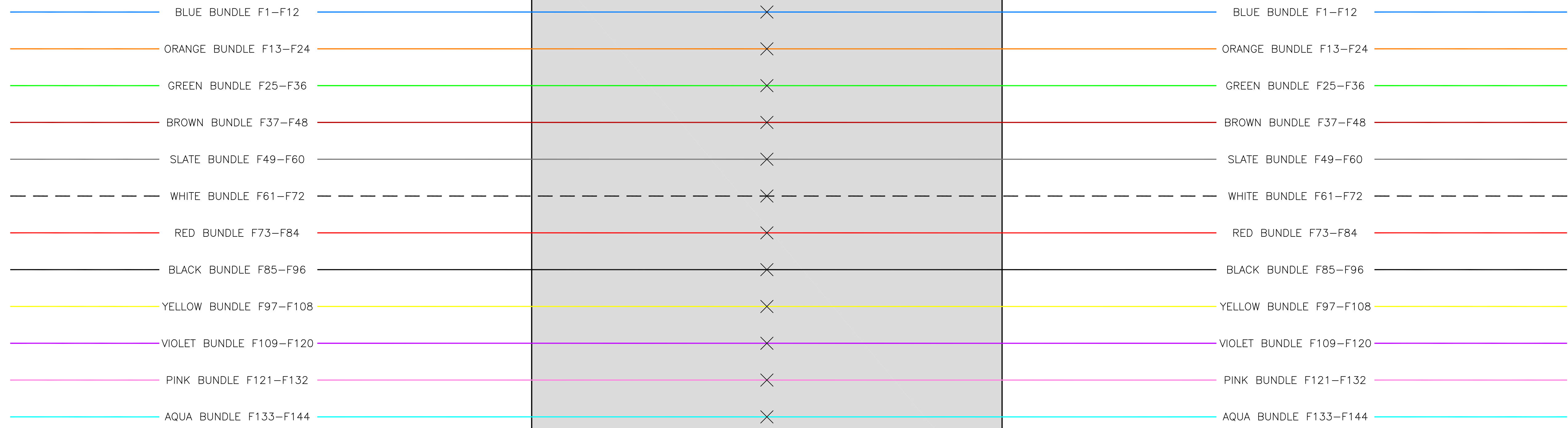
# SP-HN015

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



### LEGEND

- ✕ - SPLICE
- ⊖ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AT-014  
POLE# 71



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

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**MATRIX DESIGN GROUP**

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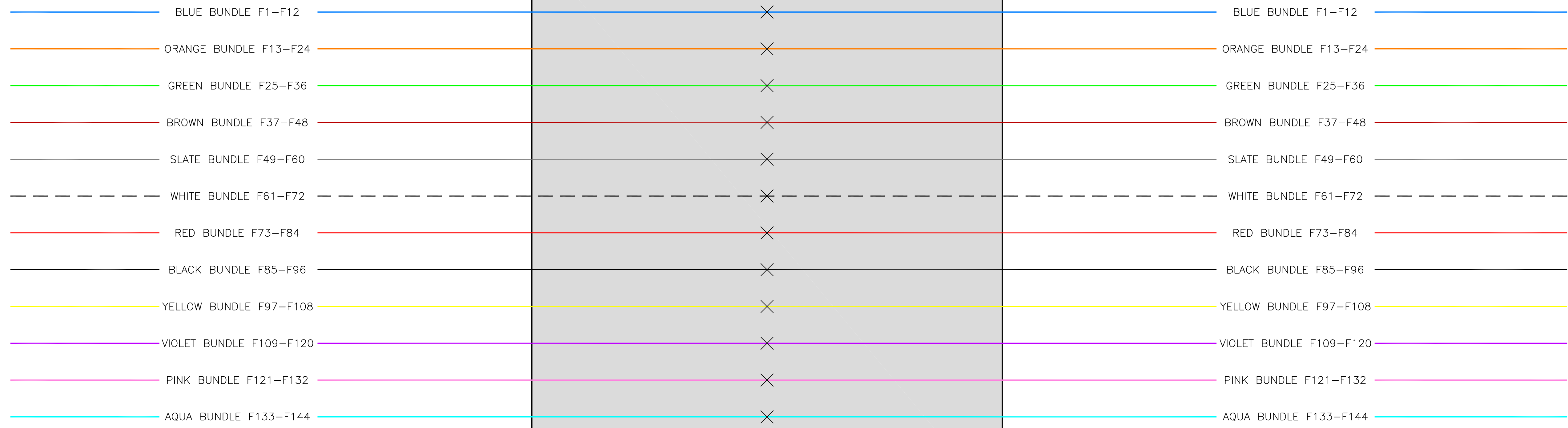
PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN015 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO.  
SP-HN015  
SHEET 87 OF 95

# SP-HN016

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

FTTH



VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH


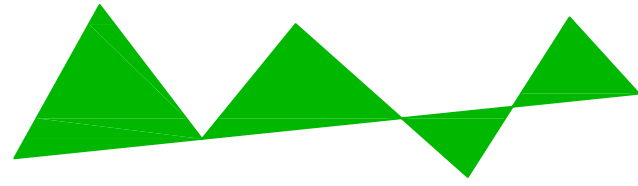
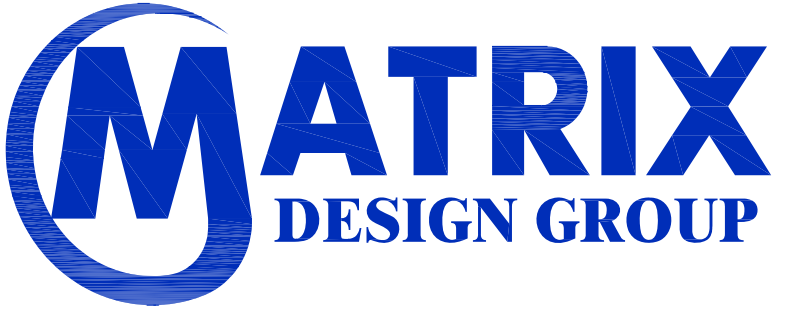
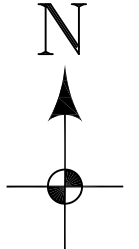
**LEGEND**

✕ - SPLICE

⊖ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AT-012  
POLE# 25/89

 CALL BEFORE YOU DIG 1-888-DIGSAFE 1-888-344-7233 48 HOURS NOTICE REQUIRED	REV	DESCRIPTION	BY	APVD	DATE	<b>INFORMATION</b> STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED) TOTAL STRAND FOOTAGE - 218,749'  POLE COUNT - (THIS SHEET)  Strand span distances do not include sag % tolerance.	 Vermont Telecommunications Authority  <small>INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF VERMONT TELECOMMUNICATIONS AUTHORITY</small>	 415 WATERMAN ROAD ROYALTON, VERMONT 05001 TELEPHONE: (866) 792-9930 FAX: (973) 503-5666	PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		 DRAWING NO. SP-HN016 BUTT SPLICE DETAIL DRAWING NO. SP-HN016 SHEET 88 OF 95
	REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	06/01/12				DRAWING TITLE:	SP-HN016 BUTT SPLICE DETAIL		
	REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/28/13				PROJECT NO.	505.001.01	DATE:	
						POLE COUNT -	SCALE:	NTS	DRAWN BY:	JRF	APPROVED BY:	MLZ



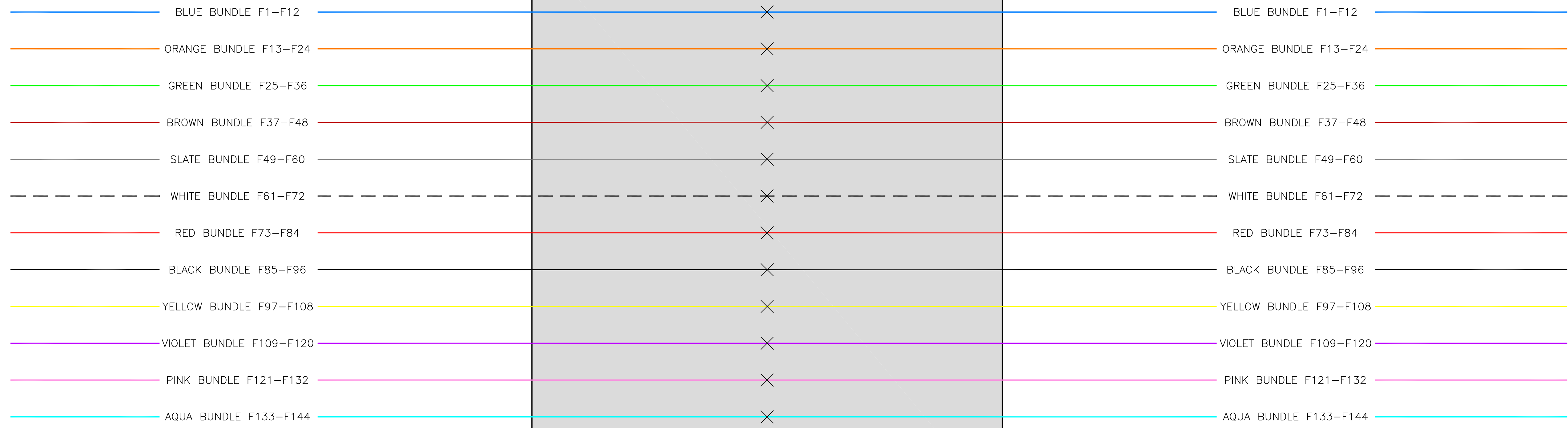
# SP-HN017

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK

VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

FTTH

FTTH



**LEGEND**

✕ - SPLICE

⌒ - OPEN

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

MAP AT-009  
POLE# 25/6

CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)	

Strand span distances do not include sag % tolerance.

**Vermont Telecommunications Authority**

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**415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN017 BUTT SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

N  
↑  
↓

DRAWING NO.  
**SP-HN017**

SHEET 89 OF 95

# SP-HN018

## NORTHERN ENTERPRISE TIE-CABLE

LEGEND

✕ - SPLICE

⌒ - OPEN

MAP AT-009  
POLE# 34a/5



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)
TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)
Strand span distances do not include sag % tolerance.

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**415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	NORTHERN ENTERPRISE TIE-CABLE SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

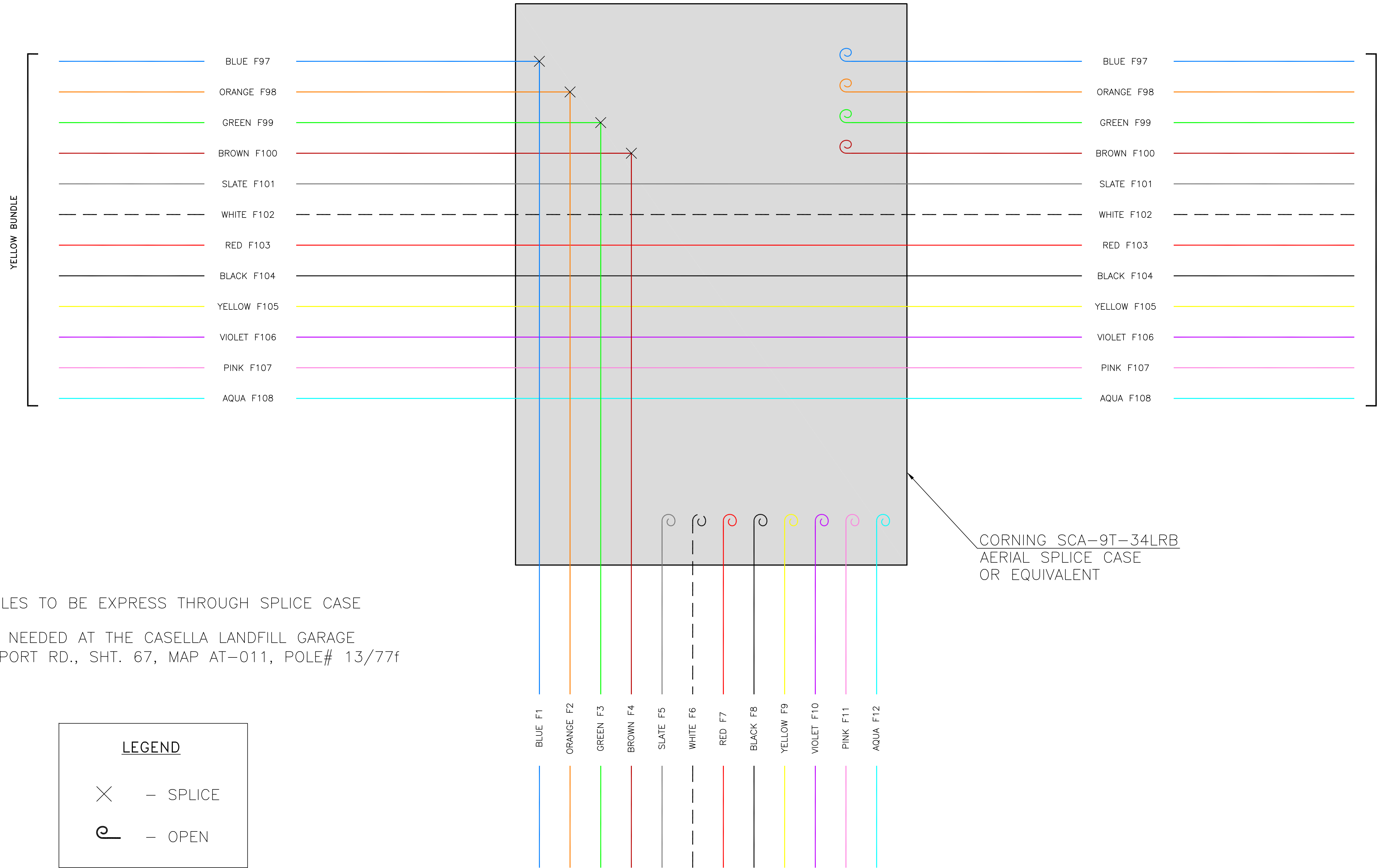
N  
↑  
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DRAWING NO.  
**SP-HN018**

SHEET 90 OF 95

# SP-HN019

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK



VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

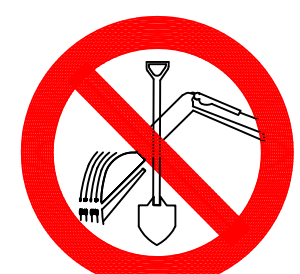
**NOTES:**

1. ALL REMAINING BUNDLES TO BE EXPRESS THROUGH SPLICE CASE
2. THIS DETAIL WILL BE NEEDED AT THE CASELLA LANDFILL GARAGE IN COVENTRY ON AIRPORT RD., SHT. 67, MAP AT-011, POLE# 13/77f

**LEGEND**

- X - SPLICE
- p - OPEN

12F ADSS CABLE TO  
CASELLA LANDFILL GARAGE



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)	
Strand span distances do not include sag % tolerance.	

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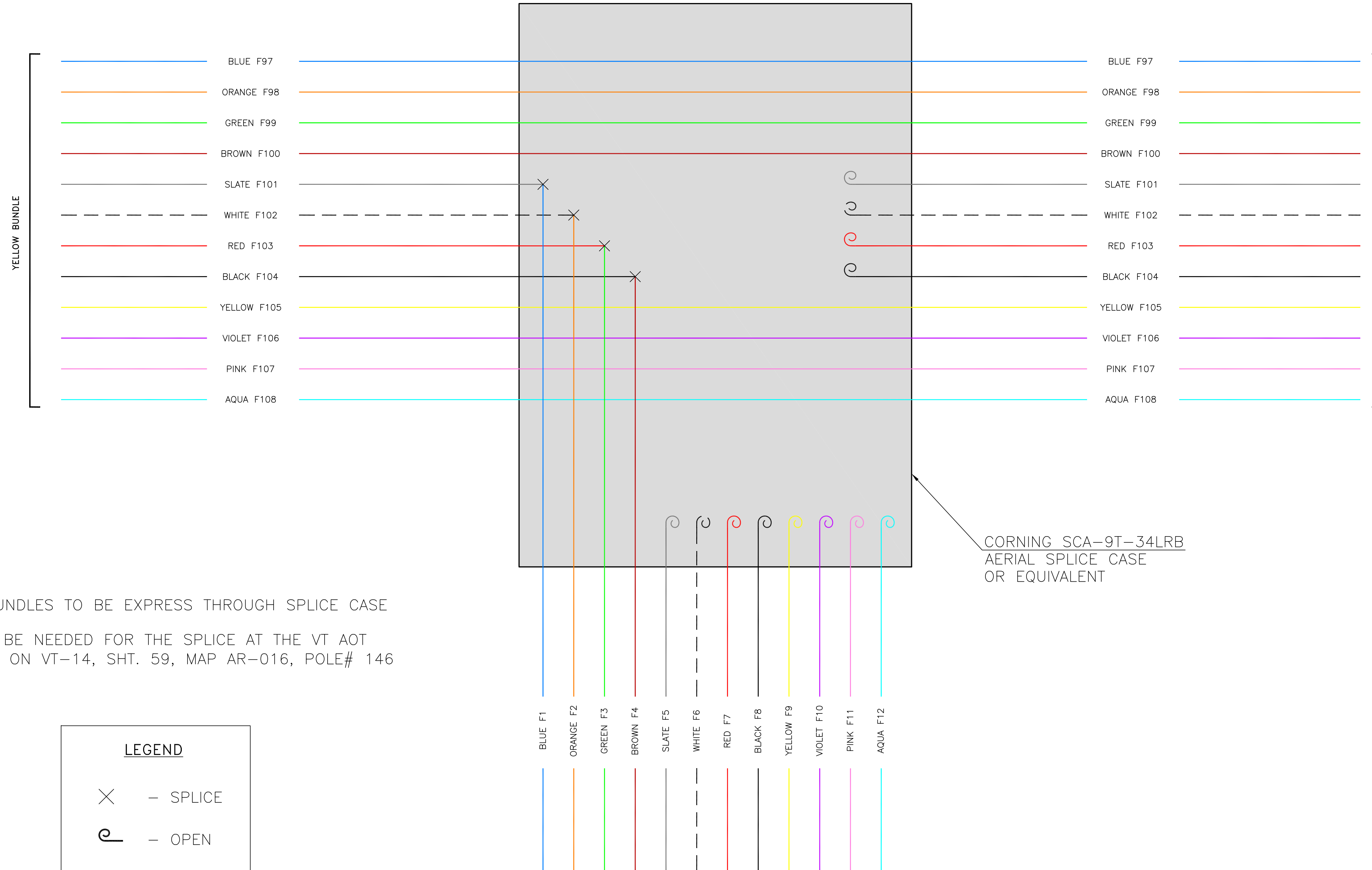
**415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN019 LATERAL SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO.  
**SP-HN019**  
SHEET 91 OF 95

# SP-HN020

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK



VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

CORNING SCA-9T-34LRB  
AERIAL SPLICE CASE  
OR EQUIVALENT

**NOTES:**

1. ALL REMAINING BUNDLES TO BE EXPRESS THROUGH SPLICE CASE
2. THIS DETAIL WILL BE NEEDED FOR THE SPLICE AT THE VT AOT IRASBURG GARAGE ON VT-14, SHT. 59, MAP AR-016, POLE# 146

**LEGEND**

X - SPLICE

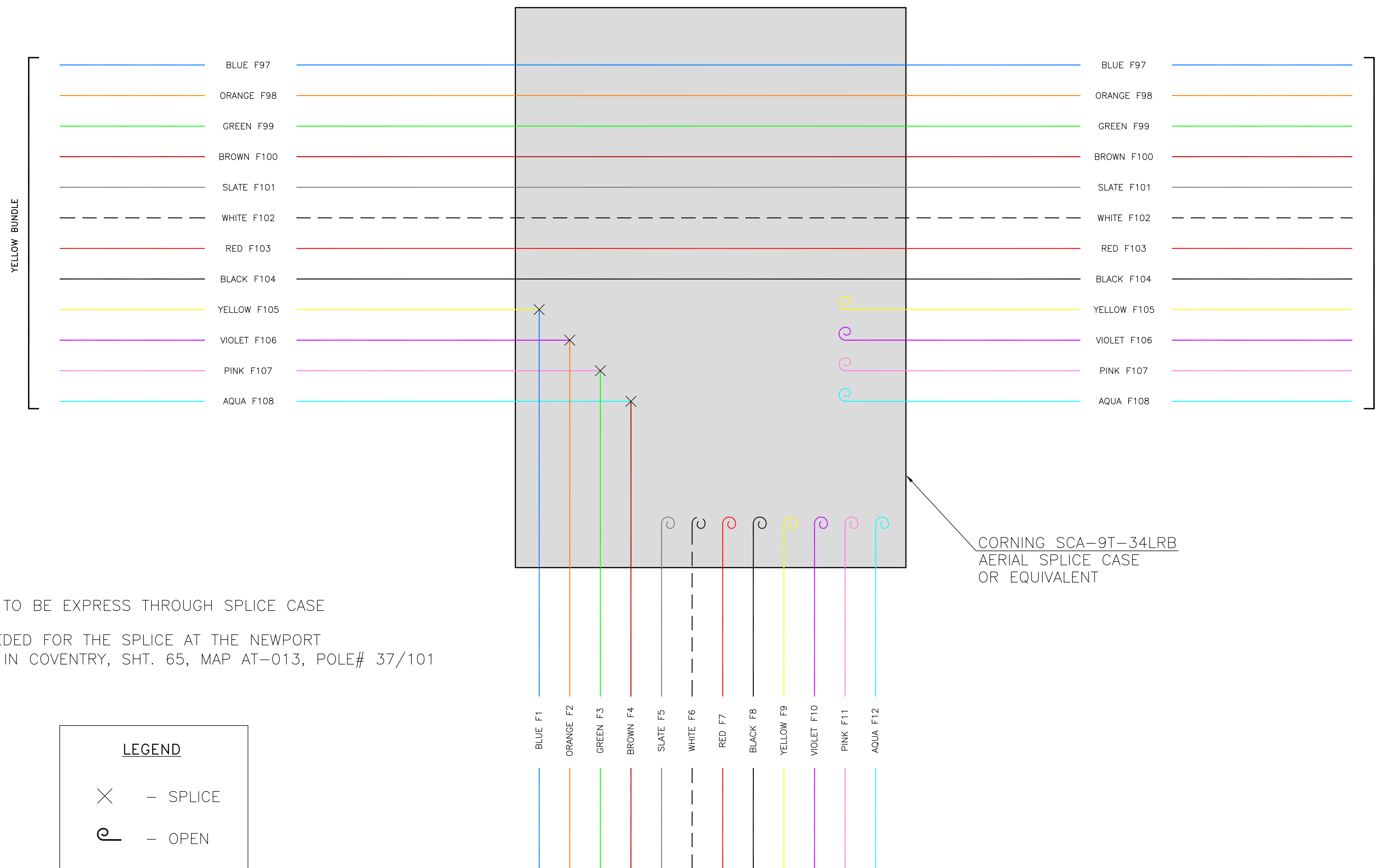
P - OPEN

12F ADSS CABLE TO  
AOT IRASBURG GARAGE

<p style="font-size: 8px; text-align: center;">CALL BEFORE YOU DIG 1-888-DIGSAFE 1-888-344-7233 48 HOURS NOTICE REQUIRED</p>	<b>REV</b>	<b>DESCRIPTION</b>	<b>BY</b>	<b>APVD</b>	<b>DATE</b>	<p><b>INFORMATION</b></p> <p>STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)</p> <p>TOTAL STRAND FOOTAGE - 218,749'</p> <p>POLE COUNT - (THIS SHEET)</p> <p style="font-size: 8px;">Strand span distances do not include sag % tolerance.</p>	<p style="font-size: 8px;">INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF VERMONT TELECOMMUNICATIONS AUTHORITY</p>	<p style="font-size: 8px;">415 WATERMAN ROAD ROYALTON, VERMONT 05001 TELEPHONE: (866) 792-9930 FAX: (973) 503-5666</p>	PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
	REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13				DRAWING TITLE: SP-HN020 LATERAL SPLICE DETAIL		DRAWING NO. SP-HN020
	REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13				PROJECT NO. 505.001.01 DATE: 06/01/12		SHEET 92 OF 95
						SCALE: NTS	DRAWN BY: JRF	APPROVED BY: MLZ			

# SP-HN021

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK



VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

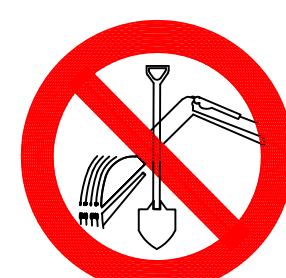
**NOTES:**

1. ALL REMAINING BUNDLES TO BE EXPRESS THROUGH SPLICE CASE
2. THIS DETAIL WILL BE NEEDED FOR THE SPLICE AT THE NEWPORT AIRPORT ON AIRPORT RD IN COVENTRY, SHT. 65, MAP AT-013, POLE# 37/101

**LEGEND**

- ✕ - SPLICE
- ⌚ - OPEN

12F ADSS CABLE TO  
NEWPORT AIRPORT



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION	
STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)	TOTAL STRAND FOOTAGE - 218,749'
POLE COUNT - (THIS SHEET)	
Strand span distances do not include sag % tolerance.	

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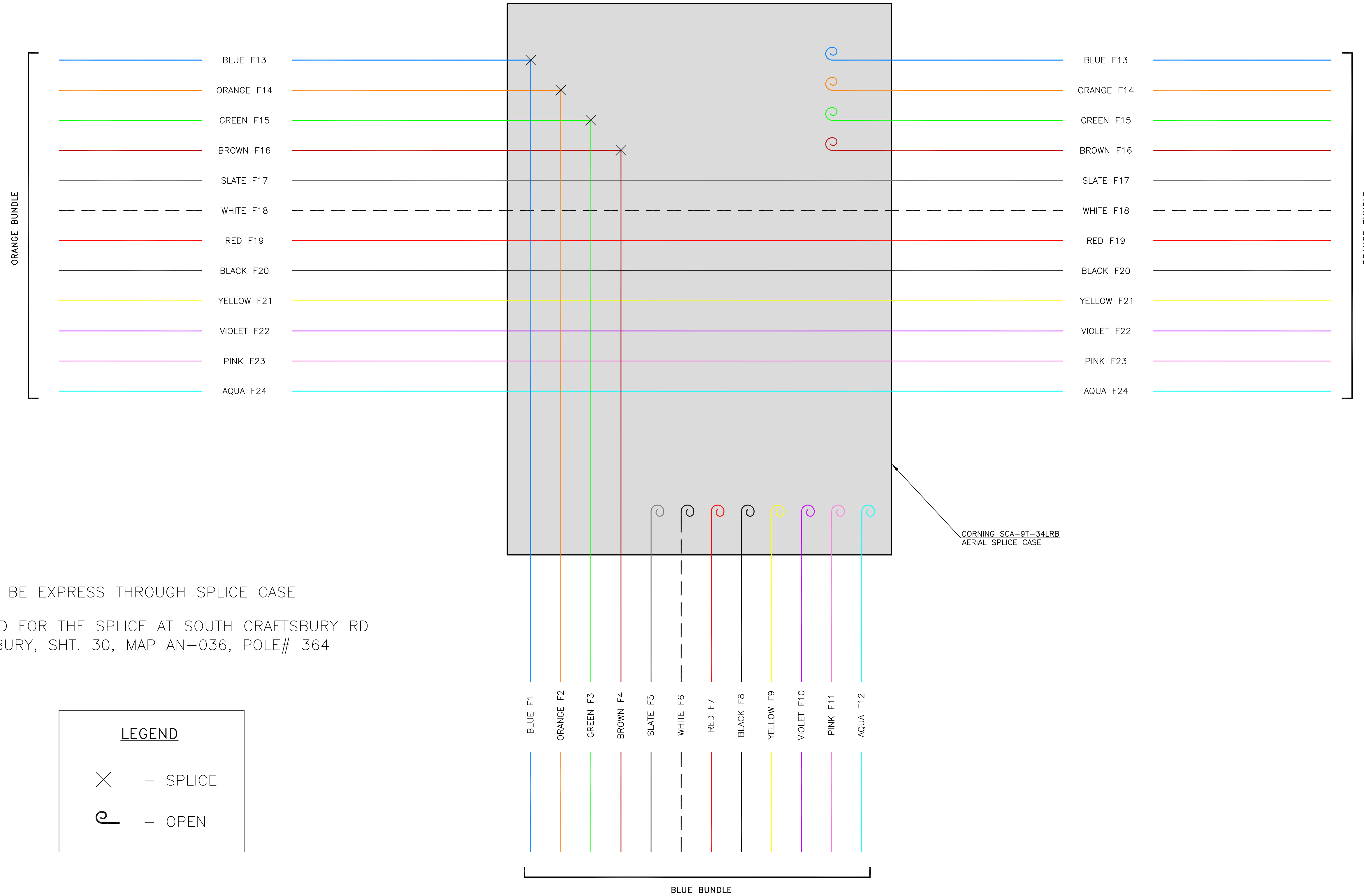
**MATRIX  
DESIGN GROUP**

415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666

PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		N ↑ ○ ↓
DRAWING TITLE: SP-HN021 LATERAL SPLICE DETAIL		
PROJECT NO. 505.001.01	DATE: 06/01/12	DRAWING NO. SP-HN021
SCALE: NTS	DRAWN BY: JRF	APPROVED BY: MLZ

# SP-HN022

VTA 144F ADSS CABLE  
HEADING SOUTH/WEST  
TOWARDS HARDWICK



VTA 144F ADSS CABLE  
HEADING NORTH/EAST  
TOWARDS NEWPORT

**NOTES:**

1. ALL REMAINING BUNDLES TO BE EXPRESS THROUGH SPLICE CASE
2. THIS DETAIL WILL BE NEEDED FOR THE SPLICE AT SOUTH CRAFTSBURY RD & CEMETARY RD IN CRAFTSBURY, SHT. 30, MAP AN-036, POLE# 364

**LEGEND**

- SPLICE  
 - OPEN

144F ADSS BRIDGE CABLE  
TO VTEL SPLICE

 CALL BEFORE YOU DIG 1-888-DIGSAFE 1-888-344-7233 48 HOURS NOTICE REQUIRED		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>BY</th> <th>APVD</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td>ISSUED FOR BID</td> <td>JRF</td> <td>MLZ</td> <td>06/01/12</td> </tr> <tr> <td>REV 1</td> <td>Moved SP-HN006 &amp; SP-HN007</td> <td>JRF</td> <td>MLZ</td> <td>01/28/13</td> </tr> <tr> <td>REV 2</td> <td>STRAND+SLACK TOTALS ADDED</td> <td>JRF</td> <td>MLZ</td> <td>01/29/13</td> </tr> </tbody> </table>	REV	DESCRIPTION	BY	APVD	DATE		ISSUED FOR BID	JRF	MLZ	06/01/12	REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13	REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13	<p><b>INFORMATION</b></p> <p>STRAND FOOTAGE - (THIS SHEET ONLY) (PTP/ANCHOR GUY FTG NOT INCLUDED)</p> <p>TOTAL STRAND FOOTAGE - 218,749'</p> <p>POLE COUNT - (THIS SHEET)</p> <p><small>Strand span distances do not include sag % tolerance.</small></p>	 Vermont Telecommunications Authority <small>INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF VERMONT TELECOMMUNICATIONS AUTHORITY</small>	 <b>MATRIX</b> DESIGN GROUP 415 WATERMAN ROAD ROYALTON, VERMONT 05001 TELEPHONE: (866) 792-9930 FAX: (973) 503-5666	<p>PROJECT: VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124</p> <p>DRAWING TITLE: SP-HN022 LATERAL SPLICE DETAIL (TO VTEL)</p> <p>PROJECT NO. 505.001.01 DATE: 06/01/12</p> <p>SCALE: NTS DRAWN BY: JRF APPROVED BY: MLZ</p>	<p>N</p> DRAWING NO. <b>SP-HN022</b> SHEET 94 OF 95
	REV	DESCRIPTION	BY	APVD	DATE																						
		ISSUED FOR BID	JRF	MLZ	06/01/12																						
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13																							
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13																							

**ADDITIONAL / AVAILABLE**  
**SPLICE DETAIL PAGE / #**



CALL BEFORE YOU DIG  
1-888-DIGSAFE  
1-888-344-7233  
48 HOURS NOTICE REQUIRED

REV	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR BID	JRF	MLZ	06/01/12
REV 1	Moved SP-HN006 & SP-HN007	JRF	MLZ	01/28/13
REV 2	STRAND+SLACK TOTALS ADDED	JRF	MLZ	01/29/13

INFORMATION
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**415 WATERMAN ROAD  
ROYALTON, VERMONT 05001  
TELEPHONE: (866) 792-9930 FAX: (973) 503-5666**

PROJECT:	VERMONT TELECOMMUNICATIONS AUTHORITY VTA 2011-124		
DRAWING TITLE:	SP-HN023 LATERAL SPLICE DETAIL		
PROJECT NO.	505.001.01	DATE:	06/01/12
SCALE:	NTS	DRAWN BY:	JRF
		APPROVED BY:	MLZ

DRAWING NO.  
**SP-HN023**  
SHEET 95 OF 95