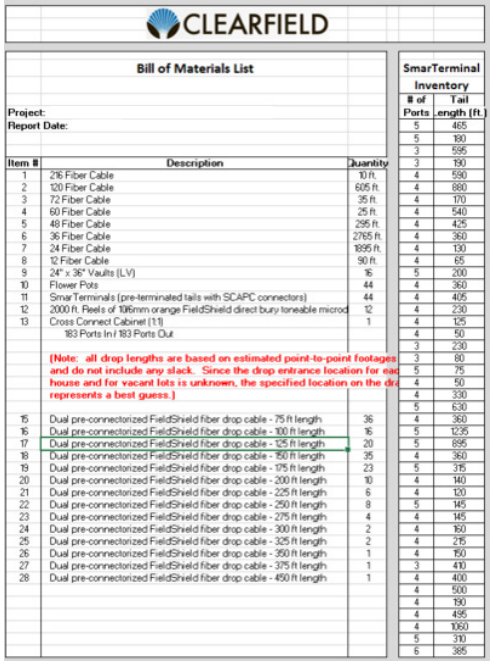
Clearfield's Engineering "Proof of Concept" Program

Interested in Deploying Fiber?

This **NO COST** program is designed especially for **first-time** fiber deployments and communities who want fiber services but need more details on build costs. Clearfield provides a customized approach to on-boarding inexperienced broadband providers by listening to understand what your goals for your network design.

- Customer supplies CAD, ESRI-GIS shape file, Google Earth KMZ, KML file to use as a guide
- Using a generic design template, Clearfield provides a graphic illustration of how Clearfield products would fit into the network
- Based on the graphic illustration, Clearfield will produce a bill of material for pricing



CLEARFIELD

Bill of Materials List

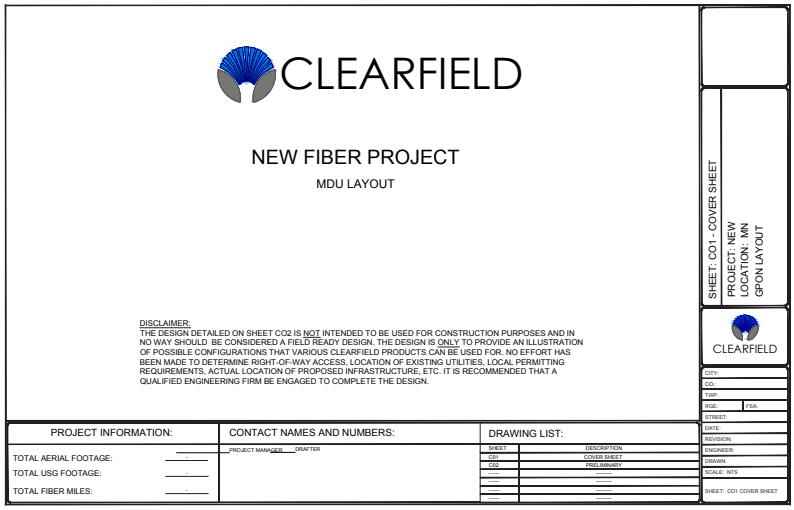
Project:
Report Date:

Item #	Description	Quantity
1	216 Fiber Cable	10 ft.
2	120 Fiber Cable	605 ft.
3	72 Fiber Cable	35 ft.
4	60 Fiber Cable	25 ft.
5	48 Fiber Cable	295 ft.
6	36 Fiber Cable	2765 ft.
7	24 Fiber Cable	1895 ft.
8	12 Fiber Cable	90 ft.
9	24" x 36" Vaults (LV)	16
10	Flower Pots	44
11	SmarTerminals (pre-terminated tails with SCAPC connectors)	44
12	2000 ft. Reels of 1.98mm orange FieldShield direct bury toneable microd	12
13	Cross Connect Cabinet (1:1)	1
	183 Ports In / 183 Ports Out	
	(Note: all drop lengths are based on estimated point-to-point footages and do not include any slack. Since the drop entrance location for eac house and for vacant lots is unknown, the specified location on the dr represents a best guess.)	
15	Dual pre-connectorized FieldShield fiber drop cable - 75 ft length	36
16	Dual pre-connectorized FieldShield fiber drop cable - 100 ft length	16
17	Dual pre-connectorized FieldShield fiber drop cable - 125 ft length	20
18	Dual pre-connectorized FieldShield fiber drop cable - 150 ft length	35
19	Dual pre-connectorized FieldShield fiber drop cable - 175 ft length	23
20	Dual pre-connectorized FieldShield fiber drop cable - 200 ft length	10
21	Dual pre-connectorized FieldShield fiber drop cable - 225 ft length	6
22	Dual pre-connectorized FieldShield fiber drop cable - 250 ft length	8
23	Dual pre-connectorized FieldShield fiber drop cable - 275 ft length	4
24	Dual pre-connectorized FieldShield fiber drop cable - 300 ft length	2
25	Dual pre-connectorized FieldShield fiber drop cable - 325 ft length	2
26	Dual pre-connectorized FieldShield fiber drop cable - 350 ft length	1
27	Dual pre-connectorized FieldShield fiber drop cable - 375 ft length	1
28	Dual pre-connectorized FieldShield fiber drop cable - 450 ft length	1

SmarTerminal Inventory

# of Ports	Tail Length (ft.)
5	465
5	180
3	595
3	190
4	590
4	880
4	170
4	540
4	425
4	360
4	130
4	65
5	200
4	360
4	405
4	230
4	125
4	50
3	230
3	80
5	75
4	50
4	330
5	530
4	360
5	1235
5	895
4	360
5	315
4	140
4	120
5	145
4	145
4	160
4	275
4	150
3	410
4	400
4	500
4	190
4	495
4	1060
5	310
6	385

Example of Bill of Materials



CLEARFIELD

NEW FIBER PROJECT

MDU LAYOUT

DISCLAIMER:
THE DESIGN DETAILED ON SHEET CO2 IS NOT INTENDED TO BE USED FOR CONSTRUCTION PURPOSES AND IN NO WAY SHOULD BE CONSIDERED A FIELD READY DESIGN. THE DESIGN IS ONLY TO PROVIDE AN ILLUSTRATION OF POSSIBLE CONFIGURATIONS THAT VARIOUS CLEARFIELD PRODUCTS CAN BE USED FOR. NO EFFORT HAS BEEN MADE TO DETERMINE RIGHT-OF-WAY ACCESS, LOCATION OF EXISTING UTILITIES, LOCAL PERMITTING REQUIREMENTS, ACTUAL LOCATION OF PROPOSED INFRASTRUCTURE, ETC. IT IS RECOMMENDED THAT A QUALIFIED ENGINEERING FIRM BE ENGAGED TO COMPLETE THE DESIGN.

SHEET: CO1 - COVER SHEET
PROJECT: NEW
LOCATION: MN
GPON LAYOUT

CLEARFIELD

CITY:
CO.:
TWP:
RGE: FSA:
STREET:
DATE:
REVISION:
ENGINEER:
DRAWN:
SCALE: NTS
SHEET: CO1 COVER SHEET

PROJECT INFORMATION:
TOTAL AERIAL FOOTAGE:
TOTAL USG FOOTAGE:
TOTAL FIBER MILES:

CONTACT NAMES AND NUMBERS:
PROJECT MANAGER DRAFTER

DRAWING LIST:

SHEET	DESCRIPTION
CO1	COVER SHEET
CO2	PRELIMINARY

Example of Cover Sheet

For more information on how Clearfield's Proof of Concept program could work for you, call the sales line at 800-932-9821.