FOR ADDISON USE ONLY

Permit Number: W-1359

Location: 14285 Midway Rd.

APPLICATION

Right of Way Work Permit-FRANCHISE

(For Franchise Utility/CTP – Street Cut/Excavation/Lane Closure)

PLEASE PRINT LEGIBLY

Date of Application: 04.03.2018

Facility Owner Company: CenturyLink Company Phone #: 214.764.2562

Utility/CTP Representative: Tim Fitzmaurice Cell Phone #: 469.369.3486

Utility/CTP Representative E-mail: tim.fitzmaurice@centurylink.com

General Contractor: Future Telecom Company Phone # 972.329.6400

Site Supervisor Name: Tim Jones 24-hour Phone # 832.816.7593

Contractor E-mail: tim.jones@futuretelco.com Site Foreman E-mail: tim.jones@futuretelco.com

Work Site Address and Location: 14285 Midway Rd

Purpose and general description of work: New HH in grass on N side of Hornet, bore 130' N to W side of 14285 Midway Rd

Proposed Start Work Date: 04.04.2018 Estimated Completion Date: 06.07.2018

Pavement Cut? ☐Yes ☒No Directional Bore/Boring? ☒Yes ☐No Excavation? ☒Yes ☐No

Lane Closure? ☐Yes ☒No Other:

Tim Fitzmaurice	Fitzmaurice, Tim Digitally signed by Fitzmaurice, Tim Date: 2018.04.03 08:23:58 -05'00'	Project Manager Global Field Services
Applicant's Printed Name	Signature	Position with Company

Applicant's E-mail: tim.fitzmaurice@centurylink.com Applicant's Phone #: 214.764.2562

Tom Jensen	214.764.2517	CenturyLink
Direct Supervisor's Name	Phone Number	Company Name

Supervisor's E-mail: tom.jensen@centurylink.com

FOR ADDISON USE ONLY

Received By: DW via Email Entered? ☐Yes Received Date: 4/3/18 8:58 AM

Approved By: Dave Wilde Inspector: JS Issue Date: 4/3/18

Plans Submitted? ☒Yes ☒No ☐N/A Previously Submitted Traffic Control Plan submitted? ☐Yes ☒No ☐N/A Expiration Date: 4/17/18

Insurance Provided? ☐Yes ☐No ☒On File Expires Performance/Maintenance Bond? ☐Yes ☐No ☐On File ☒N/A

Fee Paid: N/A Receipt #: CTP Processed By: Irene S.

Picked Up By: Doug Company: Future Tele Date & Time: 4.3.18 1:41PM

TOWN OF ADDISON INFRASTRUCTURE AND DEVELOPMENT SERVICES DEPARTMENT
ATTN.: RIGHT OF WAY PERMIT - DAVE WILDE 972-450-2847
16801 WESTGROVE RD. ADDISON, TX 75001-9010
PHONE: 972-450-2871 FAX: 972-450-2837

FOR ADDISON USE ONLY

Permit Number: W-1359

Location: 14285 MIDWAY Rd.

APPLICATION
Right of Way Work Permit -FRANCHISE
(For Franchise Utility/CTP - Street Cut/Excavation/Lane Closure)

Sub-Contractor List

PLEASE PRINT LEGIBLY

General Contractor's Name: Future Telecom General Contractor's Phone #: 972.329.6400

Sub-Contractor #1 Company Name: NA Address: _____

Print Sub-Contractor's Name: _____ Sub-Contractor Phone #: _____

Sub-Contractor's E-mail: _____

Print Site Supervisor's Name: _____ Supervisor's Phone #: _____

Site Supervisor's E-mail: _____

Insurance Provided? ☐Yes ☐No ☐On File

Sub-Contractor #2 Company Name: NA Address: _____

Print Sub-Contractor's Name: _____ Sub-Contractor Phone #: _____

Sub-Contractor's E-mail: _____

Print Supervisor's Name: _____ Supervisor's Phone #: _____

Site Supervisor's E-mail: _____

Insurance Provided? ☐Yes ☐No ☐On File

Sub-Contractor #3 Company Name: NA Address: _____

Print Sub-Contractor's Name: _____ Sub-Contractor Phone #: _____

Sub-Contractor's E-mail: _____

Print Supervisor's Name: _____ Supervisor's Phone #: _____

Site Supervisor's E-mail: _____

Insurance Provided? ☐Yes ☐No ☐On File

RIGHT OF WAY, EXCAVATION & LANE CLOSURE PERMIT

ADDISON SM

INFRASTRUCTURE & DEVELOPMENT SERVICES

16801 WESTGROVE DRIVE
ADDISON, TEXAS 75001
972.450.2871

W-1359

PERMIT NUMBER

4/04/18

START DATE

6/07/18 — EST. COMPLETION DATE

FUTURE TELECOM — CONTRACTOR

CENTURYLINK — FOR

14285 MIDWAY RD

LOCATION (ADDRESS)

FROM HH ON NORTH SIDE OF HORNET TO BUILDING AT ADDRESS

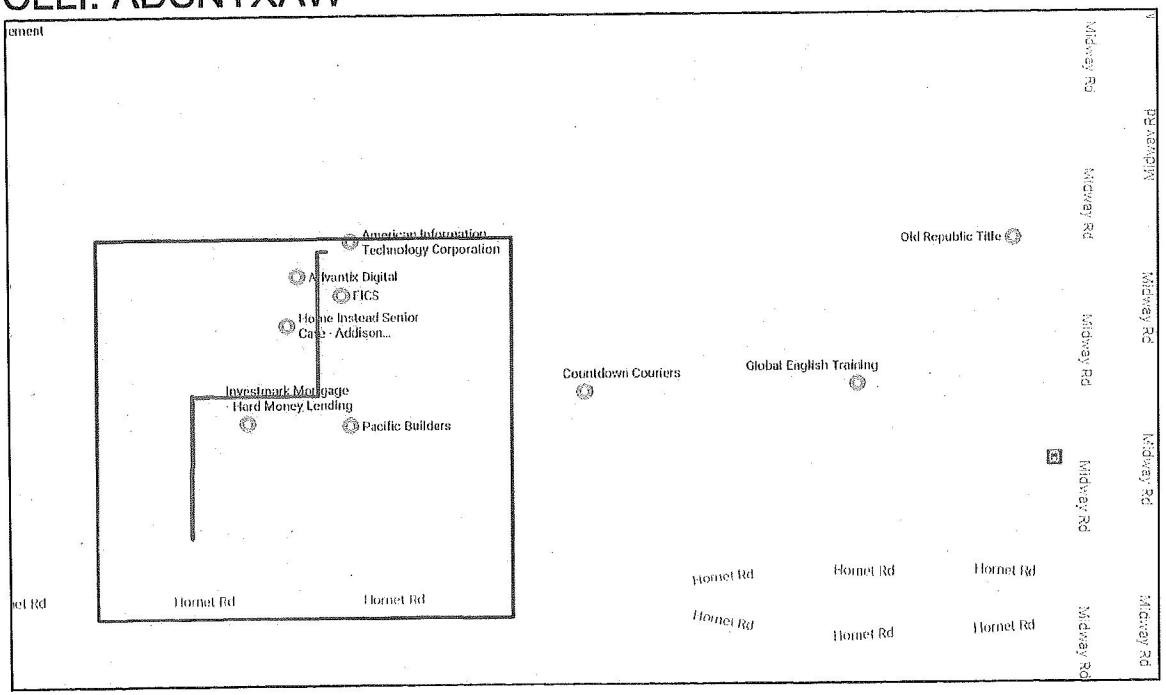
LOCATION (ACTUAL)

INSTALL CABLE FACILITIES FOR SERVICE TO ADDRESS

TYPE OF WORK

THIS CARD MUST BE DISPLAYED ON THE JOB SITE AT ALL TIMES.

ADDRESS: 14285 MIDWAY RD, ADDISON, TX, (Z4) NB: N366051
PROJECT NAME: 14285 MIDWAY RD
CLLI: ADSNTXAW



SITE LOCATION

CONTACTS

Level (3) Communications

Don Hurla- Plant Manager
1950 N Stemmons Fwy, Suite 6060
Dallas, TX
Office: 214-764-2577
Cell: 214-770-6579

Tim Fitzmaurice- Construction Manager
1950 N Stemmons Fwy
Dallas, TX
Cell: 214-764-2662

Engineering Contractor

Byers Engineering
Cy Blackburn
521 N 9th St
Midlothian, Tx
Cell: 817-480-5986

Construction Contractor
Future Telecom
Tim Jones
1800 Bruton rd
Balch Springs, Tx
972-328-6400

Building Contact
Jett Mattingly
(972)-263-4841

Texas One Call: 1-800-245-4545

SITE INDEX

SCOPE OF WORK:

Splice into existing 48 fiber and place new Level (3) HH at sta 0+00. Bore FOC from sta 0+00 to 1+30, then capture existing SOC at sta 1+35 where you will intercept the 4" SOC that feeds into the TELCO room at 14285 Midway Rd in Addison, TX. Then enter the building within the SOC at STA 1+40 and emerge from the SOC at STA 1+70 and then run up to Wall approx 10' and head East through the wall to the crawl space between the acoustic ceiling and the actual ceiling in EMT. Run East approximately 45' and then Head North approximately 120' and head Back West approximately 25' and turn North into the Electrical Room on the North Side of the Building. Once in the room proceed to the conduits heading to the 2nd and 3rd floor (@ STA 4+25). Run the 24F FOC into the conduit and run to the 3rd Floor Electrical Room. Then Go Up the wall approximately 5' and install the FDP@ STA 4+40 then run the Fiber up approximately 10' and over to the to the customers suite through the wall into the customers Server/Telco Room.

Know what's below. Call before you dig.

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	11/28/2017	TF	AJE	ORIGINAL

Level (3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
ENGINEERING FIRM: Byers Engineering Company
PROJECT NUMBER: 136646 ADSNTXAW
LOCATION: 14285 Midway Rd
Addison, TX
DRAWING NAME: 14285 Midway Rd, Addison, TX.dwg

CONFIDENTIAL/PROPRIETARY

LEGEND

LINETYPES

- UG FIBER – EXISTING
- UG FIBER – PROPOSED
- AERIAL FIBER – EXISTING
- AERIAL FIBER – PROPOSED
- STRAND – EXISTING
- STRAND – PROPOSED
- CONDUIT – EXISTING
- CONDUIT – PROPOSED
- INNERDUCT – EXISTING
- INNERDUCT – PROPOSED
- GAS
- WATER
- TELEPHONE
- ELECTRIC
- SANITARY SEWER (SEW)
- STORM DRAIN
- FENCE
- CABLE TV
- STEAM
- OIL
- UNKNOWN UTILITY
- RIGHT OF WAY
- EDGE OF PAVEMENT

SYMBOL	DESCRIPTION
ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
STA.	STATION

- RISER
- TELEPHONE
- POWER VAULT
- CATCH BASIN/INLET
- FIRE HYDRANT
- GROUND/BOND
- STREET LIGHT
- TREE
- CULVERT
- WING WALL
- BRIDGE
- MISC. UTILITY
- UTILITY POLE – EXISTING
- POLE – PROPOSED
- HANDHOLE – EXISTING
- HANDHOLE – PROPOSED
- MANHOLE – EXISTING
- MANHOLE – PROPOSED
- PULLBOX – EXISTING
- PULLBOX – PROPOSED

- VAULT – EXISTING
- VAULT – PROPOSED
- AERIAL STORAGE – EXISTING
- AERIAL STORAGE – PROPOSED
- VAULT/BUILDING STORAGE – EXISTING
- VAULT/BUILDING STORAGE – PROPOSED
- POLE ANCHOR/DOWN GUY – EXISTING
- POLE ANCHOR/DOWN GUY – PROPOSED
- PROPOSED DOWN GUY ON EXISTING ANCHOR
- TERMINATION – EXISTING
- TERMINATION – PROPOSED
- BUILDING CALLOUT – PROPOSED
- SPLICE POINT – EXISTING
- SPLICE POINT – PROPOSED
- SEQUENTIAL CALLOUT
- SEQUENTIAL IN TAIL CALLOUT
- SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT – PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

(1) CABLE FIBERS: FIBERS
CABLE OWNER: LEVEL3
CABLE LENGTH: LENGTH
NOTES:

CABLE SPAN CALLOUT – EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)

(1) CABLE FIBERS: FIBERS
CABLE OWNER: LEVEL3
CABLE LENGTH: LENGTH
NOTES:

CABLE SPAN CALLOUT – PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50X)

(1) CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: LENGTH
CONDUIT QTY: CONDUITS
CONDUIT SIZE: SIZE
CONDUIT TYPE: TYPE
INNER DUCT QTY: INNERDUCTS
INNER DUCT SIZE: SIZE
INNER DUCT TYPE: TYPE
NOTES:

CONDUIT CALLOUT – EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)
WITH OR WITHOUT INNER DUCT INFO

(1) CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: LENGTH
CONDUIT QTY: CONDUITS
CONDUIT SIZE: SIZE
CONDUIT TYPE: TYPE
INNER DUCT QTY: INNERDUCTS
INNER DUCT SIZE: SIZE
INNER DUCT TYPE: TYPE
NOTES:

CONDUIT CALLOUT – PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50X)
WITH OR WITHOUT INNER DUCT INFO

(1) STRAND TYPE: TYPE
STRAND LENGTH: LENGTH
NOTES:

STRAND CALLOUT – EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)

(1) STRAND TYPE: TYPE
STRAND LENGTH: LENGTH
NOTES:

STRAND CALLOUT – PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50X)

(#) SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION. SEE SHEET # FOR SITE PHOTOGRAPHS.

811 Know what's below. Call before you dig.

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	11/28/2017	TF	AJE	ORIGINAL

Level (3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
ENGINEERING FIRM: Byars Engineering Company
PROJECT NUMBER: 136646 ADSNTXAW
LOCATION: 14285 Midway Rd
Addison, TX
DRAWING NAME: 14285 Midway Rd, Addison, TX.dwg

CONFIDENTIAL/PROPRIETARY

GENERAL NOTES

GENERAL NOTES:

1. Contractor must obtain locates prior to disturbing the ground.
2. Contractor must have a copy of the approved permit from the appropriate agency on the jobsite at all times.
3. All cable will be placed at standard minimum depth. (Level 3 standard is 36" deep unless otherwise directed by a Level 3 representative.)
4. Any landscaping will be replaced to equal or better than that which existed prior to work.
5. Project site will be properly secured prior to the end of each day.
6. All work is to be in accordance with all authorities having jurisdiction in the work zone.
7. Contractors are advised to contact Level 3 for any additional information or clarification concerning scope of work or the requirements necessary for project completion.
8. Contractor is responsible to field verify all dimensions, quantities and existing conditions prior to construction. If a significant change to the running line is needed, please contact your Level 3 representative before proceeding.
9. Before construction begins, contractor shall take appropriate precautions to avoid any potential obstructions prior to proceeding with work.
10. No construction on private property will commence until approval is given by the appropriate Level 3 employee.
11. Contractor shall not proceed with work until they have received a Purchase Order and have been directed to do so by an authorized Level 3 representative.
12. Contractor shall not exceed the Purchase Order value without authorization in writing from the appropriate Level 3 representative.
13. As-Builts will be required for each project including cable footage sequentials at every access point, slack loop, splice location, pole and termination point. Contractor should also provide notes of all changes in depths, running lines, mh/hh locations, and any other applicable notes to depict the work that took place. NOTE: All major changes need to be pre-approved by an authorized Level 3 employee prior to starting the work.

SITE CONDITIONS

The actual location of existing conduit and cables may vary from the location shown. Repair of any damaged conduit containing cable shall be made by use of PVC split duct. The contractor shall enclose the existing cables in PVC.

The locations of existing utilities shown in this plan are approximate. When work is to be conducted in the vicinity of known utilities, their actual location must be field verified to avoid conflicts or damage to those utilities. Variation in location between "recorded positions" and actual positions should be anticipated.

It shall be the contractor's responsibility to verify the location of all underground utilities. Buried utilities may exist in the area in addition to those shown on the plan. The contractor shall contact property owners when working within private easements for location of underground tanks, pipelines, drain tiles, or other buried improvements. The contractor shall also notify the utility notification center prior to commencing any construction activities.

The contractor must assume all buried utilities encountered are alive and active unless specifically instructed otherwise by the owners or operators of said utilities.

Damage to sub-surface structures is the sole responsibility of the placing contractor.

The contractor shall protect the existing traffic control loops. If existing traffic control loops are damaged during construction, the entire loopwire from terminal shall be replaced in accordance with governing agency standards and regulations at contractor's expense.

Removal of existing asphalt pavement, concrete curbs, and concrete sidewalks will be "neat line" with saw or pavement cutter , per requirements and specifications of the agency or department responsible for each location. If concrete pavement is encountered while excavating conduit trenches, the concrete removal will be "neat line" with a pavement saw.

If concrete curb returns and/or sidewalks are replaced due to conduit or manhole installation, the contractor shall place approved handicapped sidewalk and curb access ramps in conformance with State statutes.

All materials necessary for repair or streets, curbs, sidewalks, sanitary sewers, storm sewers, and public service utilities and the installation of such materials shall be in conformance with the requirements and specifications of the agency or department responsible for the operation and maintenance of the repaired facility.

All work shall conform to the specifications of the jurisdictional permit agency.

All open trench will be clearly marked with barricaded or cones. Steel plates or other types of bridging shall be provided to cover open trench inthe travel portion of the streets. These plates or bridging shall be adequate to support the normal vehicle loads anticipate in this area and shall be in place during all non-working areas.

All surfaces to be restored to original condition, and backfill to be compacted as specified. Trench excavation in surfaces which include concrete treated base shall follow local area specifications

HAZARDOUS MATERIAL

The contractor shall notify the jurisdictional permit agency immediately if any material are encountered that are considered by the EPA, DEQ, or OSHA. If potentially hazardous materials are encountered the contractor shall secure the site and prevent the accidental exposure by the public or the contractor's personnel.

The contractor may excavate up to, but shall not disturb known hazardous materials such as asbestos, oils, acid, etc. The removal of all hazardous materials must be done by an approved or certified hazardous materials contractor licensed by the State of Alabama.

A copy of all correspondence pertinent to the removal of hazardous materials shall be transmitted to owner and a copy shall be available at the project office and the job site.

AERIAL NOTES

- Aerial construction to be performed to industry acceptable standards.
- All heights of cable placement will be recorded at the time of construction. Document all points of attachment.
- 6.6M strand will be used with standard $\frac{5}{8}$" hardware.
- All extension arms to be placed will be epoxy arms unless otherwise noted or approved by the inspector.
- Bond strand to power MGN where applicable. Anchors to be used will be $\frac{3}{4}$" screw in type.
- All straps will be placed 4" before and after every supporting clamp at minimun of 21" apart.
- P.O.A = Point of Attachment
- Add missing grounds
- Repair/Replace existing lashing wire if damaged

CONSTRUCTION STAKES

In areas where the conduit alignment is not clearly defined by curb lines, fence lines, or other evidence of the right-of-way, the engineer will provide centerline stakes or paint marks where required to make the proposed conduit alignment evident.

Closures identified in the plans shall be located by the contractor. Deviation from plan layout shall be approved by the engineer prior to conduit and/or closure installation.

Manhole centers will be field staked by the engineer when requestd with offset stakes at right anglesto the conduit alignment.

If additional field staking or location of conduits, manholes, property lines, etc. becomes necessary, the contractor is to notify the inspector or the engineer two working days prior to beginning the work.

PERMITS-FRANCHISES-EASEMENTS

Physical work shall not be started until the governing agency inspector and the contractor are in possession of and have carefully reviewed and fully understand all conditions and specifications set forth in the required permit, franchises, and/or easements.

Placing foreman to have a copy of the permits/easements on site all times

Any conflict between work print specifications and specifications set forth under related permits, franchises, and/or easements must be cleared by proper company authority before progressing with work involved.

TRAFFIC CONTROL

This project will involve working along a major arterial road and heavy traffic volume should be anticipated.

Uniform traffic flow shall be maintained at all times. Only equipment and materials necessary for immediately scheduled or in progress will be maintained in the work area. All other equipment and material will be "stored or stockpiled" in such a manner as to eliminate hazardous conditions for traffic or pedestrians during non-working or shut down period.

Traffic warning devices and signs shall conform to the manual on uniform traffic control devices for streets and highways (US Government Printing Office) and to the Alabama State highway division standard specifications for highway construction. High level warning type devices are to be used at times and special warning devices may be stipulated by the jurisdictional permit agency at any time he use will add to the safety and protection of traffic or pedestrians in the construction area.

All conduit trenching in paved areas shall be backfilled with crushed gravel or completely covered at the completion of each working day. Any backfilled trench shall be capped with a minimum layer of asphaltic concrete cold patch at the end of each working day.

The contractor shall mark the conduit trench and define his construction area clearly with barricades, cones, and/or other visible methods that alert the public of the construction activity.

A traffic control plan shall be prepared by the contractor as required and submitted to each permitting agency requesting such plan for review and approval or revision prior to commencing any construction activity for this project. The approved plan shall be submitted to the agency and a copy of the plan shall be kept at the construction site and must be available for review by agency representatives.

SPECIAL UTILITY CLEARANCES

All work conducted adjacent to water mains shall conform to following conditions.

A. Whenever possible conduit shall maintain a horizontal separation of 3', measured surface (outside edge to outside edge) from parallel water mains.
B. Whenever possible conduit shall pass under existing water mains and must maintain 12" vertical clear separation. Conduit passing over water mains must also maintain the 12" vertical separation.
C. The contractor shall be responsible for establishing and maintaining this required vertical separation by either exposing the water main every 100 feet in those areas where horizontal separation is less 3 feet or by utilizing the depths of adjacent water valves. If the contractor utilizes the adjacent water to determine water main depth, he shall contact the agency at each such location and the agency will determine the necessary depth of the top of the conduit at that point.
D. The vertical and horizontal separation shall be maintained at all times unless specifically revised by agreement between the jurisdictional permit agency and the agency. Any specific deviation in vertical and horizontal separation from those described shall be reported to the owner by the contractor. The contractor shall be responsible for maintaining vertical and horizontal separation at all times and shall be reponsible for any and all encroachments
E. Clearances to storm sewers and sanitary sewers shall be exactly the same as those to water mains.

STRUCTURE PROTECTION

Manholes and conduit to be placed adjacent to existing structures such as bridge, bridge footing/piers foundations, walls, power and telephone poles, and other utilities shall maintain a minimum clearance as shown. The contractor shall not undermine any adjacent structure without specific written permission from the owner/operator of such structure.

Shoring used as foundation support shall be designed specifically for both the live and dead loads of the structure or if only the dead is used for design. The contractor shall provide a detailed layout and plan of the method of establishing and maintaining the design load conditions (i.e. road detours, tiebacks,etc).

See utility clearance section notes for clearance criteria to parallel or cross utilities.

Existing utilities exposed during excavation shall be 100% supported by either trench bridging and suspension or by the use of longitudinal trays or platforms vertically supports by adjustable building jacks.

Existing splice cases and cables shall be supported by suspension from a crossing beam. Supports shall be placed at a maximum spacing of 4 feet and shall consist of a canvas sling with nylon belting or rope. All cable supports shall be placed in a manner that prevents kinks or other damage to the cable sheath.

An acceptable alternative to cable slings would be the utilization of a wide flange "I" beam or channel as a "cable tray" with cables/cases banded in place.

SHORING

The contractor shall provide shoring for conduit trench excavation 42" or more in depth as measured from the high side of the trench and for all manhole excavation.

Manhole shoring shall be tight-sheeted

All shoring shall conform to the standards and specifications of local county and the occupational safety health administration.

The contractor shall provide all shoring and design calculations to the permit issuing agency prior to commencing any construction activity.

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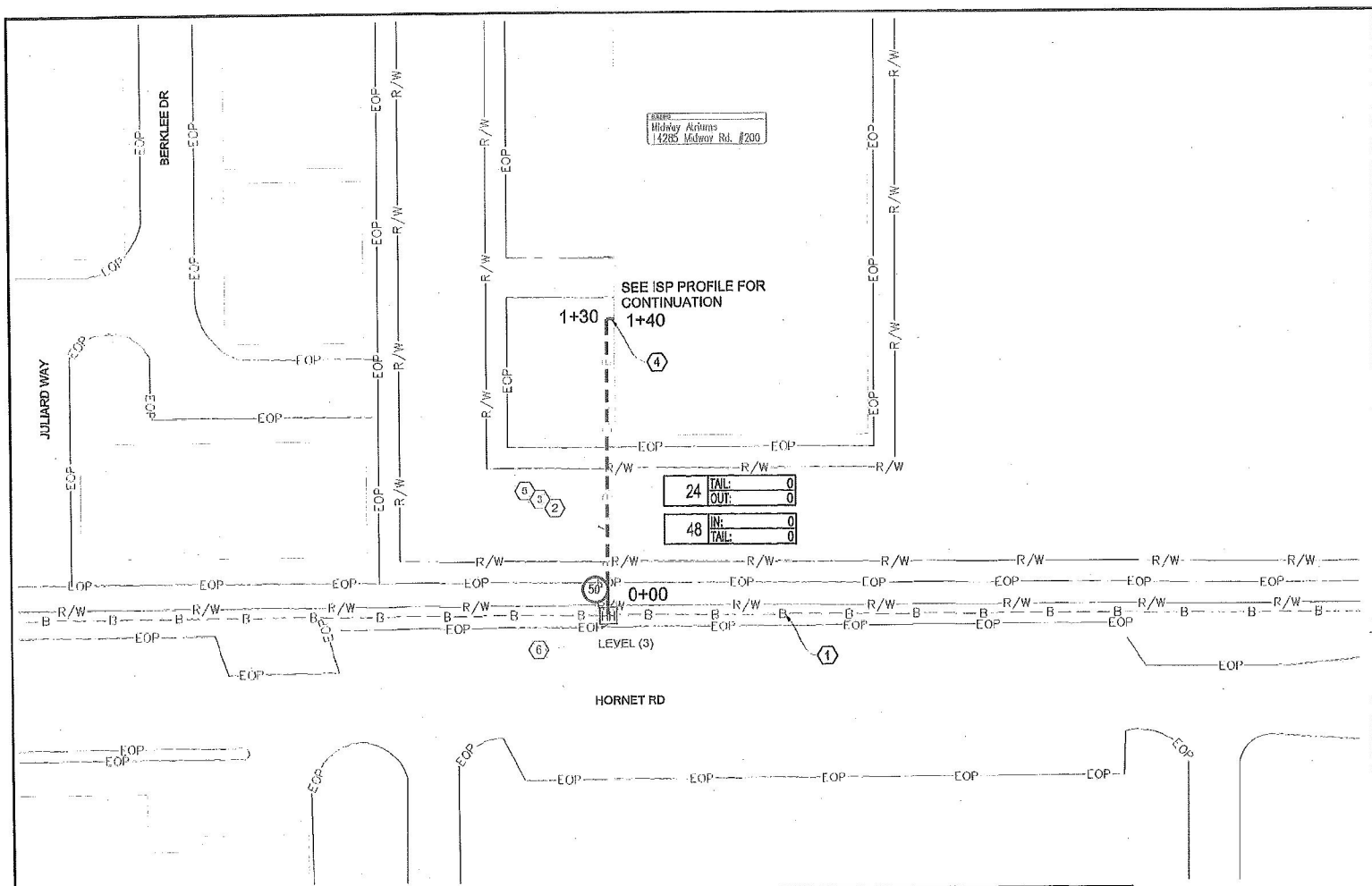
3				AS-BUILT
2				REVISION # 1
1	11/20/2017	TF	AJE	ORIGINAL

Level (3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
ENGINEERING FIRM: Byers Engineering Company
PROJECT NUMBER: 136040 ADSNTXAW
LOCATION: 14285 Midway Rd
Addison, TX
DRAWING NAME: 14285 Midway Rd, Addison, TX.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 3 OF 10



CONSTRUCTION NOTES

1. CABLE FIBERS: 24
   CABLE OWNER: LEVEL (3)
   CABLE LENGTH: TBD
   NOTES: INSTALLATION FOR 4141 SPRING VALLEY.
2. CABLE FIBERS: 24
   CABLE OWNER: LEVEL (3)
   CABLE LENGTH: 140
   NOTES: INTERCEPT NETWORK AND SPLICE 24F FOC INTO THE 24F NETWORK.
3. CONDUIT OWNER: LEVEL (3)
   CONDUIT LENGTH: 130
   CONDUIT QTY: 1
   CONDUIT SIZE: 1.25"
   CONDUIT TYPE: HDPE
   NOTES: INSTALL 1 X 1.25" ID FROM STA 00+00 TO STA 01+30.
4. CAPTURE EXISTING 4" SOC AT STA 01+30 RUN FOC THROUGH 4" SOC TO MECHANICAL RISER ROOM ON THE FIRST FLOOR.
5. INSTALL NEW LOCATE WIRE IN DUCT FROM NEW LEVEL (3) HH TO THE SOC TERMINATION IN THE FIRST FLOOR MECHANICAL RISER ROOM.
6. NSTALL A 24", X 36" X 36" LEVEL (3) HH AT STA 0+00

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Level (3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
ENGINEERING FIRM: Byers Engineering Company
PROJECT NUMBER: 130040 ADSNTXAW
LOCATION: 14285 Midway Rd
Addison, TX
DRAWING NAME: 14285 Midway Rd, Addison, TX.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 4 OF 10

Page Rate Card

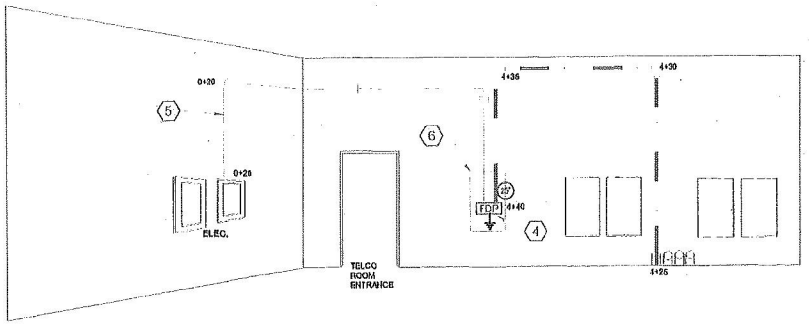
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30710 – Directional Bore greater than 1500': 3 HDPE conduits up to 2" (1 reel)	FT	130	
UGB-30830 – Place Locate Wire in Existing Conduit	FOOT	140	
UGB-30980 – Place up to 288 count FOC in conduit, greater than 1500'	FOOT	165	
UGB-31250 – Place New – 24"x36"x36" – Non-concrete Manhole / Handhole	EACH	1	
UGB-30480 – Select Backfill: Sand	CU YD	12	
UGB-30930 – Intercept Conduit: WYE Cast 2"	EACH	1	
UGB-32070 – Traffic Control	DAY	1	

Total Material Rate Card

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90070 – Conduit: 1 1/4" HDPE SDR-11	FOOT	390	
MAT-91020 – Tier 22 24"x36"x36"– w/ knock-outs and racking – Including Cover	EACH	1	
MAT-91990 – Locate wire #10 AWG – solid copper with insulated jacket	FOOT	140	

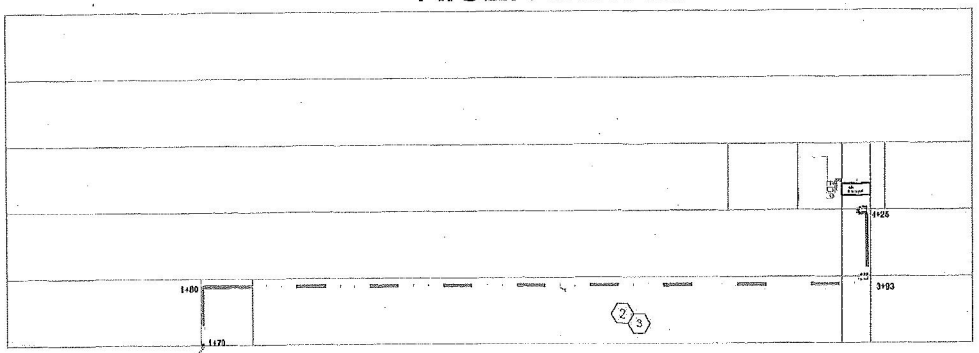
811 Know what's below. Call before you dig.

0 10' 20' 30' 40' 50'
SCALE: 1"=50'



24	TAIL: 0
	OUT: 0

RISER DETAIL



1+40 SEE PLAN SITE FOR CONTINUATION

CONSTRUCTION NOTES

1. EXISTING CUSTOMER 4" SDC FROM STA 1+35 TO STA 4+25, PULL FOC THROUGH 4" SDC TO FDP IN TELCO ROOM ON THE FIRST FLOOR.
2. CONDUIT OWNER: LEVEL (3)
   CONDUIT LENGTH: 15
   CONDUIT QTY: 1
   CONDUIT SIZE: 1.25"
   CONDUIT TYPE: PLENUM
   PLACE 1.25" PLENUM DUCT FROM 4+25 TO 4+40
3. CABLE FIBERS: 24
   CABLE OWNER: LEVEL (3)
   CABLE LENGTH: 465
   PLACE 24 FOC IN NEW 3 -- 1.25" HDPE FROM STA 1+35 TO 4+40
4. PLACE NEW WALL MOUNT RACK AT STA 4+40 IN TELCO ROOM.
   PLACE NEW FDP AT STA 4+40
5. PLACE:
   1) WALL MOUNTED RELAY RACK ON BACK BOARD.
   2) PLACE #6 GRD.
   3) INSTALL 25' OF 1/2" EMT FROM ELECTRICAL PANEL WITH 120V 20A L520R AT STA 0+25 AND LABEL LEVEL (3) POWER.
6. PLACE 48" X 48" BACK BOARD ON THE WALL AT STA 4+40

(#) SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION. SEE SHEET # FOR SITE PHOTOGRAPHS.

Page Rake Off			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
ISP-41090 -- Install EMT or AC power conduit up to 2" in diameter.	FOOT	25	
ISP-41160 -- Install innerduct (plenum, corrugated, etc.) <= 1.5" in existing conduit.	FOOT	15	
UGB-30980 -- Place up to 288 count FOC in conduit, greater than 1500'	FOOT	465	
ISP-43270 -- Install plywood backboard (include fire retardant paint) up to 4'x4'x3/4".	EACH	1	
ISP-42560 -- Install single power receptacle up to L15-30.	EACH	1	

Total Material Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90890 -- Innerduct: 1.25" Plenum	FOOT	45	
MAT-91580 -- Miscellaneous Back Board up to 4'x4'x3/4", Fire Retardant Paint	EACH	1	
MAT-91760 -- L5-20 Receptacle	EACH	1	
MAT-63010 -- Conduit: EMT 1/2"	FOOT	25	
MAT-91990 -- Locate wire #10 AWG -- solid copper with insulated jacket	FOOT	425	

811 Know what's below. Call before you dig.

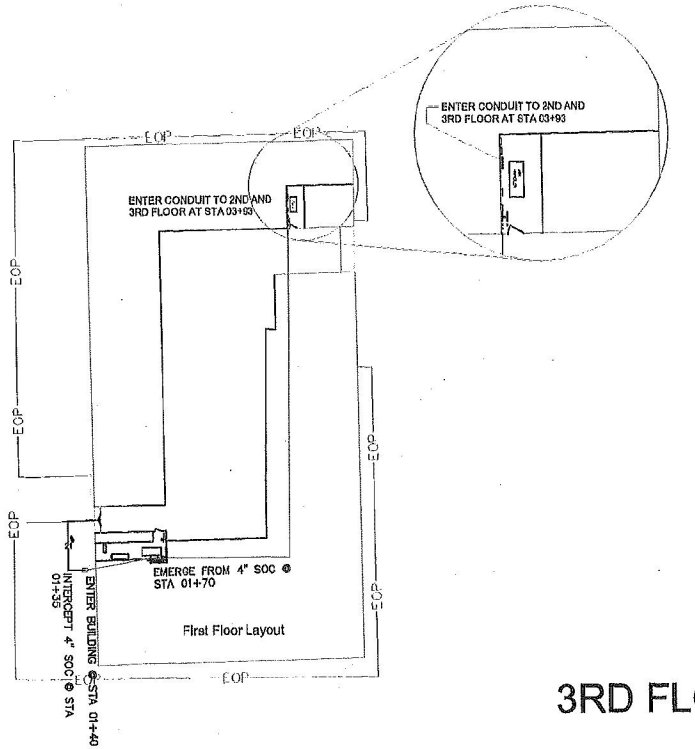
0 10' 20' 30' 40' 50'
SCALE: 1"=50'

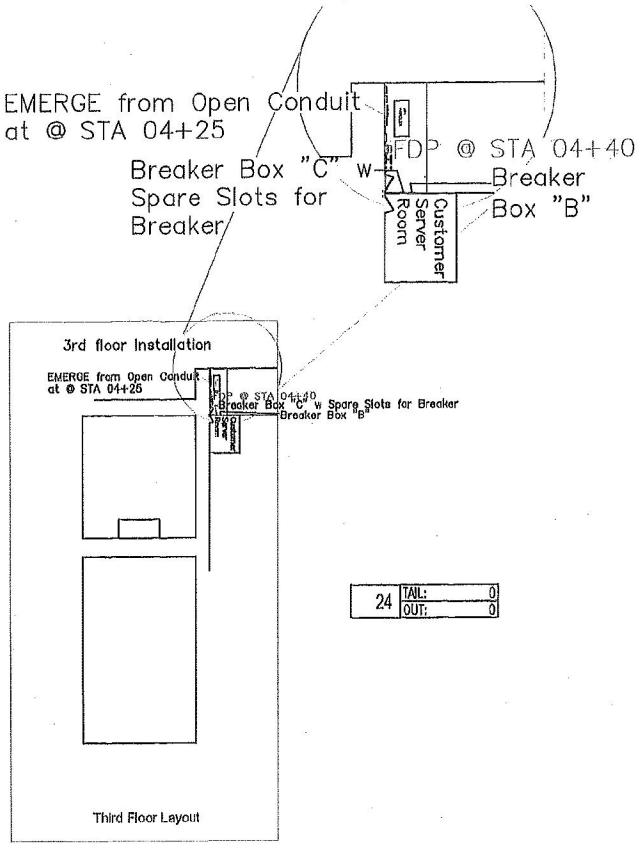
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	11/20/2017	TF	AJE	ORIGINAL

Level (3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
ENGINEERING FIRM: Byers Engineering Company
PROJECT NUMBER: 130040 ADSNTXAW
LOCATION: 14285 Midway Rd
Addison, TX
DRAWING NAME: 14285 Midway Rd, Addison, TX.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 5 OF 10

1ST FLOOR VIEW LOOKING DOWN





3RD FLOOR VIEW LOOKING DOWN

ISP PROFILE DETAIL SHEET

811 Know what's below. Call before you dig.

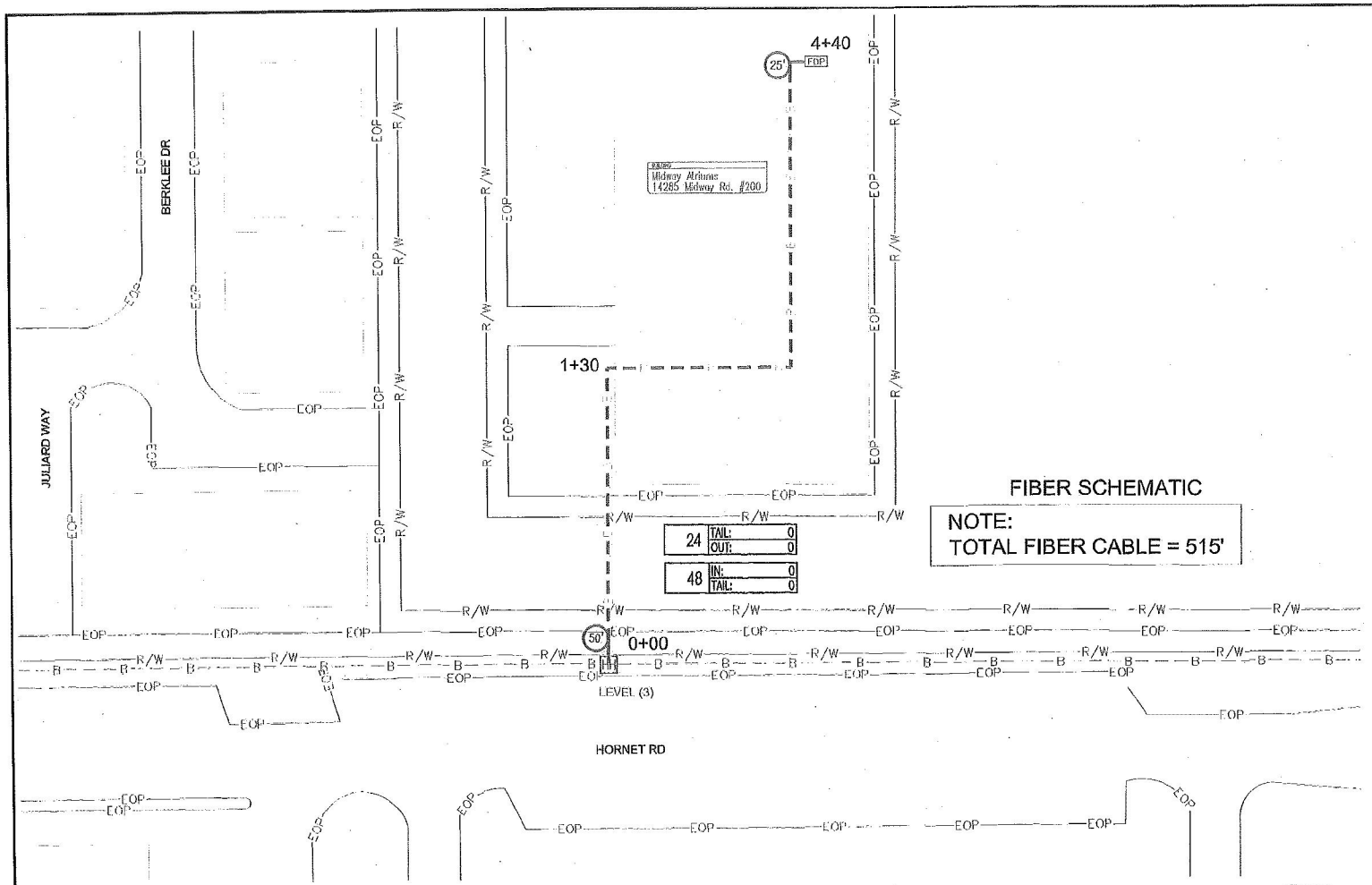
0 10' 20' 30' 40' 50'
SCALE: 1"=50'

SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION. SEE SHEET # FOR SITE PHOTOGRAPHS.

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	11/28/2017	TF	AJE	ORIGINAL

Level (3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tina Fitzmaurice
ENGINEERING FIRM: Byers Engineering Company
PROJECT NUMBER: 136646 ADSNTXAW
LOCATION: 14285 Midway Rd
Addison, TX
DRAWING NAME: 14285 Midway Rd, Addison, TX.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 6 OF 10



FIBER SCHEMATIC

NOTE:
TOTAL FIBER CABLE = 515'

FIBER SCHEMATIC DRAWING

SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION. SEE SHEET # FOR SITE PHOTOGRAPHS.

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	11/20/2017	TF	AE	ORIGINAL

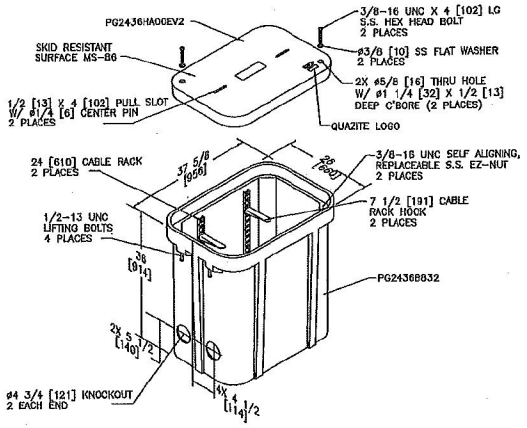
811 Know what's below. Call before you dig.

0 10' 20' 30' 40' 50'
SCALE: 1"=50'

Level (3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Filannadoe
ENGINEERING FIRM: Byers Engineering Company
PROJECT NUMBER: 136840 ADSNTXAW
LOCATION: 14285 Midway Rd
Addison, TX
DRAWING NAME: 14285 Midway Rd, Addison, TX.dwg
CONFIDENTIAL/PROPRIETARY SHEET: 7 OF 10

TYPICALS



TYPICAL DETAIL – #2

24X36X36 BOX ASSEMBLY
W/(2) 24" CR, (2) 7 1/2" CR, HOOKS
& (4) Ø4 3/4 KNOCKOUT
PG2436Z978EV2
QUAZITE – 25479684

811 Know what's below. Call before you dig.

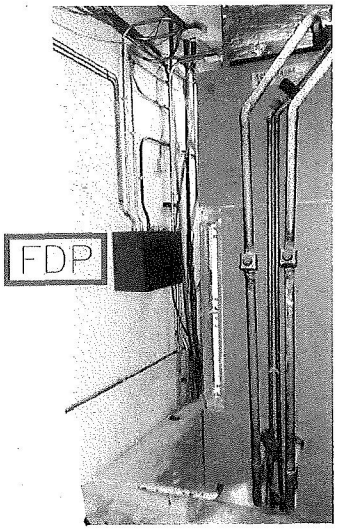
1 SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION. SEE SHEET # FOR SITE PHOTOGRAPHS.

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	11/28/2017	TF	AJE	ORIGINAL

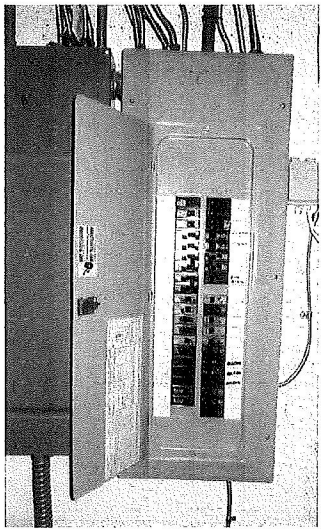
Level (3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
ENGINEERING FIRM: Byers Engineering Company
PROJECT NUMBER: 136849 ADSNTXAW
LOCATION: 14205 Midway Rd
Addison, TX
DRAWING NAME: 14205 Midway Rd, Addison, TX.dwg

SITE PHOTOGRAPHS



TERMINAL AND WALL MOUNT RACK INSTALLTION



ELECTRICAL POWER

NEW LEVEL (3) HAND HOLE PLACEMENT AT STA 0+00

3RD FLOOR EXISTING DUCT WHERE IT WILL EXIT OUT.

811 Know what's below. Call before you dig.

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	11/28/2017	TF	AJE	ORIGINAL

Level (3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
ENGINEERING FIRM: Byers Engineering Company
PROJECT NUMBER: 136046 ADSNTXAW
LOCATION: 14285 Midway Rd
Addison, TX
DRAWING NAME: 14285 Midway Rd, Addison, TX.dwg

CONFIDENTIAL/PROPRIETARY

Total Underground Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30710 – Directional Bore greater than 1500': 3 HDPE conduits up to 2" (1 reel)	FT	130	
UGB-30830 – Place Locate Wire in Existing Conduit	FOOT	135	
UGB-30940 – Intercept Conduit: WYE Cast 4"	EACH	1	
UGB-30980 – Place up to 288 count FOC in conduit, greater than 1500'	FOOT	140	
UGB-31250 – Place New – 24"x36"x36" – Non-concrete Manhole / Handhole	EACH	1	
UGB-32070 – Traffic Control	DAY	1	

Total Inside Plant (ISP) Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30980 – Place up to 288 count FOC in conduit, greater than 1500'	FOOT	465	
ISP-41090 – Install EMT or AC power conduit up to 2" in diameter.	FOOT	25	
ISP-41160 – Install innerduct (plenum, corrugated, etc.) <= 1.5" in existing conduit.	FOOT	15	
ISP-41210 – Install 19" or 23" relay rack 2-post – Seismic 1, 2.	EACH	1	
ISP-42560 – Install single power receptacle up to L15-30.	EACH	1	
SPL-50090 – SET UP AND PREP AT PANEL 1-36 FIBERS	EACH	1	
SPL-50210 – SPLICEISP LOOSE TUBE UP TO 24 PER LOCATION	EACH	24	

Total Material Rate Card			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90070 – Conduit: 1 1/4" HDPE SDR-11	FOOT	390	
MAT-90690 – Innerduct: 1.25" Plenum	FOOT	15	
MAT-91020 – Tier 22 24"x36"x36"- w/ knock-outs and racking – Including Cover	EACH	1	
MAT-91990 – Locate wire #10 AWG – solid copper with insulated jacket	FOOT	815	
MAT-91760 – L5-20 Receptacle	EACH	1	
MAT-93010 – Conduit: EMT 1/2"	FOOT	25	

811 Know what's below. Call before you dig.

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	11/28/2017	TF	AJE	ORIGINAL

Level(3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
ENGINEERING FIRM: Byers Engineering Company
PROJECT NUMBER: 136046 ADSNTXAW
LOCATION: 14205 Midway Rd
Addison, TX
DRAWING NAME: 14205 Midway Rd, Addison, TX.dwg

CONFIDENTIAL/PROPRIETARY