



FOR ADDISON USE ONLY
 Permit Number: W-1358
 Location: 14655 Stella Parkway

APPLICATION

Right of Way Work Permit-FRANCHISE

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

PLEASE PRINT LEGIBLY

Date of Application: 04/23/2018
 Facility Owner Company: LEVEL (3) COMMUNICATION / CENTURY LINK Company Phone #: 214-764-2562
 Utility/CTP Representative: TIM FITZMAURICE Cell Phone #: 409-369-3496
 Utility/CTP Representative E-mail: tim.fitzmaurice@centurylink.com
 General Contractor: FUTURE TELECOM Company Phone # 972-329-6400
 Site Supervisor Name: DAVE OLIVAREZ 24-hour Phone # 214-789-2127
 Contractor E-mail: Tim.Jones@futuretelco.com Site Foreman E-mail: dave@futuretelco.com
 Work Site Address and Location: 14655 DALLAS PARKWAY

Purpose and general description of work: BORE TO INSTALL FIBER OPTIC CABLE INTO TELCO ROOM AT 14655
 Proposed Start Work Date: 04/23/2018 Estimated Completion Date: 06/29/2018 DALLAS DRIVE

Pavement Cut? Yes No Directional Bore/Boring? Yes No Excavation? Yes No
 Lane Closure? Yes No Other: _____

Cy M Blackburn Applicant's Printed Name [Signature] Signature CONTRACTOR Position with Company

Applicant's E-mail: Cy.Blackburn@byers.com Applicant's Phone #: 817-480-5986
TIM THOMPSON Direct Supervisor's Name 214-537-2765 Phone Number BYERS ENGINEERING Company Name

Supervisor's E-mail: T. THOMPSON@BYERS.COM

FOR ADDISON USE ONLY

Received By: [Signature] Entered? Yes No Received Date: 4/3/18 8:00 AM

Approved By: [Signature] Inspector: JE Issue Date: 4/3/18

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

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

Fee Paid: NA Receipt #: CTP Processed By: [Signature]
 Picked Up By: David Olivarez Company: Future Telecom Date & Time: 4/3/18 1:24

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: <u>W-1358</u>
Location: <u>14655 Dallas Hwy</u>

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: Level 3 Communications / Century Link General Contractor's Phone #: _____

Sub-Contractor #1 Company Name: Future Telecom Address: 1800 Bruton Rd, Balch Springs,

Print Sub-Contractor's Name: Tim Jones Sub-Contractor Phone #: 972-816-7593

Sub-Contractor's E-mail: Tim.Jones@FutureTelco.com

Print Site Supervisor's Name: Dave Olivarez Supervisor's Phone #: 214-789-2127

Site Supervisor's E-mail: Dave@FutureTelco.com

Insurance Provided? Yes No On File

Sub-Contractor #2 Company Name: _____ 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: _____ 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



INFRASTRUCTURE &
DEVELOPMENT SERVICES

16801 WESTGROVE DRIVE
ADDISON, TEXAS 75001
972.450.2871

W-1358

PERMIT NUMBER

4/03/18

START DATE

6/29/18

EST. COMPLETION DATE

FUTURE TELECOM

CONTRACTOR

LEVEL3

FOR

14655 DALLAS PARKWAY

LOCATION (ADDRESS)

FROM HH ON SOUTH SIDE OF DRIVE TO NORTH SIDE OF BLDG, IN ROW

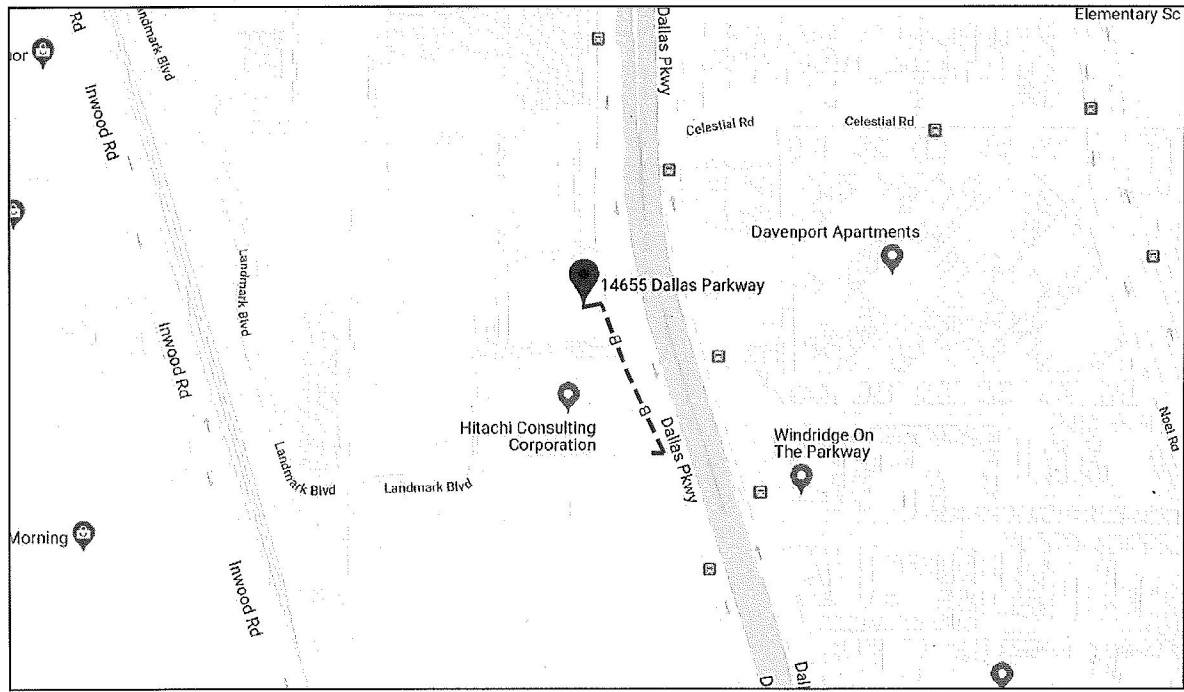
LOCATION (ACTUAL)

INSTALL CABLE FACILITIES FOR SERVICE TO ADDRESS

TYPE OF WORK

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

ADDRESS: 14655 DALLAS PKWY DALLAS, TX (Z4)
 PROJECT NAME: DALLAS PKWY
 CLLI: ADSNTXLC



SITE LOCATION

CONTACTS

Level (3) Communications
 Don Hurja- Plant Manager
 1950 N Stemmons Fwy, Suite 6060
 Dallas, TX
 Office: 214-764-2377
 Cell: 214-770-6579

Tim Fitzmaurice- Construction Manager
 1950 N Stemmons Fwy
 Dallas, TX
 Cell: 214-764-2562

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
 972-329-6400

Building Contact
 Steven Ciancotti
 972-503-6688

Texas One Call: 1-800-245-4545

SITE INDEX

- 1 - COVER SHEET
- 2 - LEGEND
- 3 - GENERAL NOTES
- 4 - SITE PLAN
- 5 - ISP PROFILE
- 6 - FIBER SCHEMATIC
- 7 - TYPICALS
- 8 - RATE CARD TABLE
- 9 - PHOTOS
- 10 - PERMIT

SCOPE OF WORK:

From Exislin Time Warner handhole bore 273' and install new Level (3) handhole at 2+73. Capture 4" SOC. Run cable 47' to 3+20 and turn. From 3+20 turn south and run cable 9' to 3+29. From 3+29 run cable to FDP at 3+70.



Know what's below.
 Call before you dig.

3				AS-BUILT
2				REVISION # 1
1	07/17/2017	BYERS	JRR	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
Level(3) COMMUNICATIONS				
LEVEL 3 ENGINEER: Tim Fitzmaurice				
ENGINEERING FIRM: Byers Engineering				
PROJECT NUMBER: 130648		ADSNTXLC		
LOCATION: 14655 Dallas Pkwy Dallas, TX 75254				
DRAWING NAME: 14655 Dallas Pkwy.dwg				
CONFIDENTIAL/PROPRIETARY				SHEET: 1 OF 8

GENERAL NOTES

GENERAL NOTES:

- Contractor must obtain locates prior to disturbing the ground.
- Contractor must have a copy of the approved permit from the appropriate agency on the jobsite at all times.
- All cable will be placed at standard minimum depth. (Level 3 standard is 36" deep unless otherwise directed by a Level 3 representative.)
- Any landscaping will be replaced to equal or better than that which existed prior to work.
- Project site will be properly secured prior to the end of each day.
- All work is to be in accordance with all authorities having jurisdiction in the work zone.
- Contractors are advised to contact Level 3 for any additional information or clarification concerning scope of work or the requirements necessary for project completion.
- 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.
- Before construction begins, contractor shall take appropriate precautions to avoid any potential obstructions prior to proceeding with work.
- No construction on private property will commence until approval is given by the appropriate Level 3 employee.
- 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.
- Contractor shall not exceed the Purchase Order value without authorization in writing from the appropriate Level 3 representative.
- 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, m/h/h 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 loop/wire 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 in the travel portion of the streets. These plates or bridging shall be adequate to support the normal vehicle loads anticipated 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 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 3" screw in type.
- All straps will be placed 4" before and after every supporting clamp at minimum 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 requested with offset stakes at right angles to 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.

- Whenever possible conduit shall maintain a horizontal separation of 3', measured surface (outside edge to outside edge) from parallel water mains.
- 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.
- 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 than 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.
- 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 responsible for any and all encroachments.
- 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, wells, power and telephone poles, and other utilities shall maintain a minimum clearance as shown. The contractor shall be responsible for maintaining vertical and horizontal separation at all times and shall be responsible for any and all encroachments. 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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NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	07/17/2017	BYERS	JRR	ORIGINAL

Level(3) COMMUNICATIONS	
LEVEL 3 ENGINEER: Tim Fitzmaurice	
ENGINEERING FIRM: Byers Engineering	
PROJECT NUMBER: 136946	ADSNTXLC
LOCATION: 14855 Dallas Pkwy Dallas, TX 75254	
DRAWING NAME: 14855 Dallas Pkwy.dwg	
CONFIDENTIAL/PROPRIETARY	SHEET: 3 OF 8

LEGEND

LINETYPES

	UG FIBER - EXISTING
	UC 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
	VAULT - LEVEL 3
	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

	MANUFACTURER NAME	SPICE POINT - EXISTING
	MANUFACTURER NAME	SPICE POINT - PROPOSED
	#F IN: 0 OUT: 0	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:
---	------------------------------------------------------

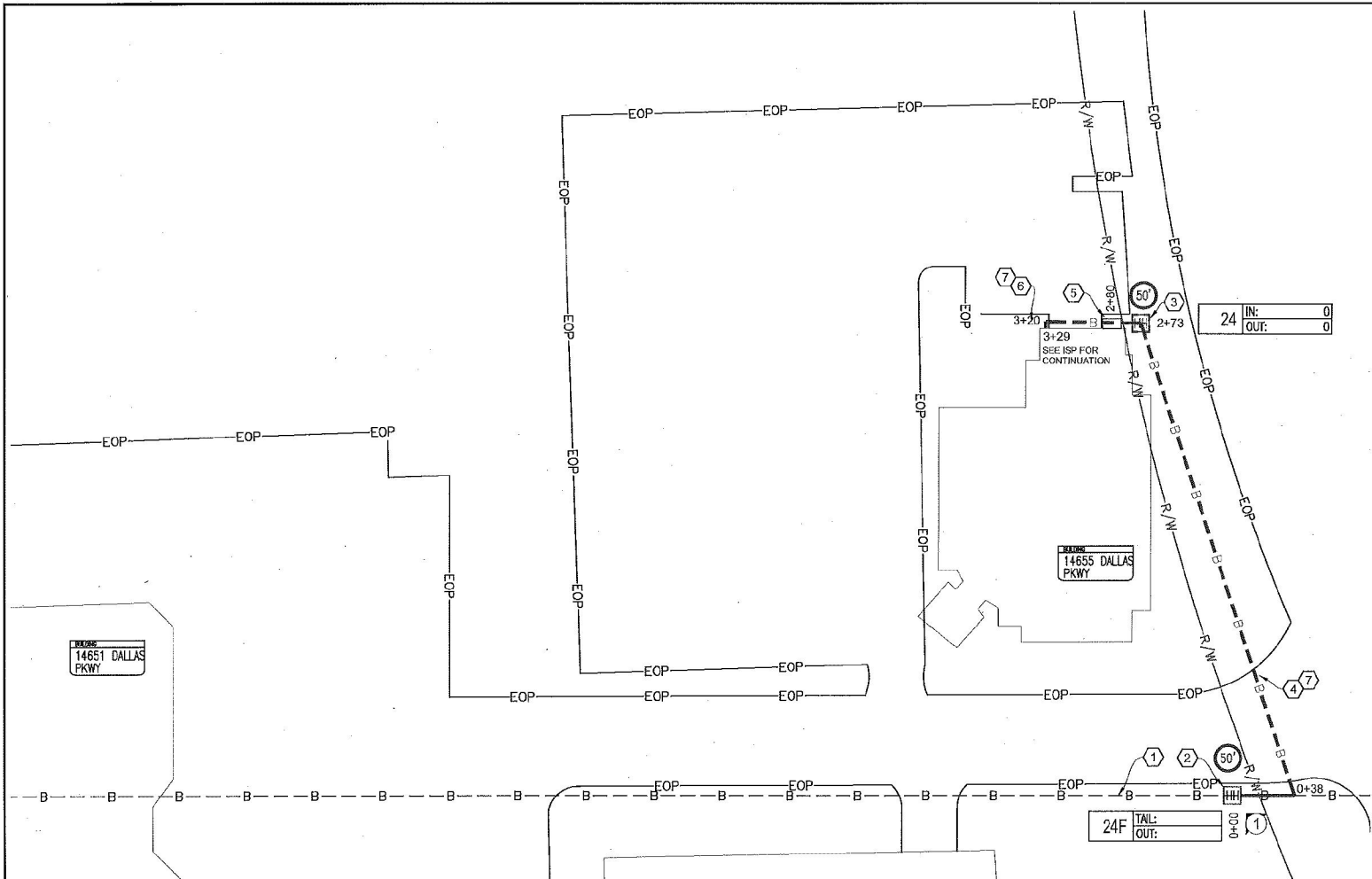
STRAND CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)

1	STRAND TYPE: TYPE STRAND LENGTH: LENGTH NOTES:
---	------------------------------------------------------

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



3				AS-BUILT
2				REVISION # 1
1	07/17/2017	BYERS	JRR	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
Level(3) COMMUNICATIONS				
LEVEL 3 ENGINEER: Tim Fitzmaurice				
ENGINEERING FIRM: Byers Engineering				
PROJECT NUMBER: 159846				
LOCATION: 14655 Dallas Pkwy Dallas, TX 75254				
DRAWING NAME: 14655 Dallas Pkwy.dwg				
CONFIDENTIAL/PROPRIETARY				
				SHEET: 2 OF 8



CONSTRUCTION NOTES

- ① CABLE FIBERS: NA
CABLE OWNER: LEVEL (3)
CABLE LENGTH: NA
- ② EXISTING TIME WARNER HANDHOLE
AT STA 0+00
- ③ INSTALL NEW 2'X3'X3' LEVEL (3)
HAND HOLE AT STA 2+73
- ④ CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 826
CONDUIT QTY: 3
CONDUIT SIZE: 1.25"
CONDUIT TYPE: HDPE
NOTES: BEGIN DIRECTIONAL BORE OF 3 X 1.25"
HDPE FROM TIME WARNER HAND HOLE AT
STA 0+00 TO STA 0+38, AT 0+38
CROSS DRIVEWAY NORTH TO STA 2+73.
- ⑤ AT 2+80 DIG PIT AND CAPTURE 4"
SOC.
- ⑥ EXISTING CUSTOMER 4" SOC FROM STA
AT 2+80 TO 3+28, RUN FOC
THROUGH 4" SOC UP TO FDP IN
TELCO ROOM.
- ⑦ CABLE FIBERS: 24
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 428
PLACE 50' LOOP IN HANDHOLE AT
STA 0+00 AND 2+73

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	826	
UGB-30830 - Place Locate Wire in Existing Conduit	FOOT	340	
UGB-31250 - Place New - 24"x36"x36" - Non-concrete Manhole / Handhole	EACH	1	
UGB-30980 - Place up to 288 count FOC in conduit, greater than 1500'	FT	428	
UGB-30480 - Select Backfill: Sand	CU FT	12	
UGB-30830 - 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	826	
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	340	

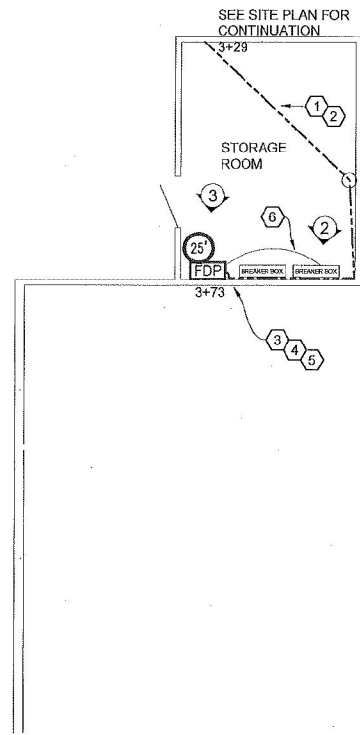
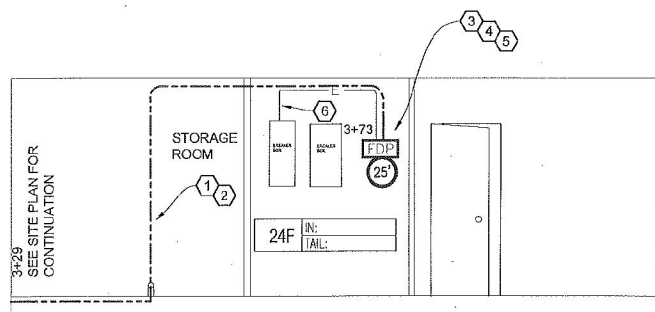
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	07/17/2017	EYERS	JRR	ORIGINAL



Level(3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
 ENGINEERING FIRM: Byers Engineering
 PROJECT NUMBER: 136546
 LOCATION: 14655 Dallas Pkwy
 Dallas, TX 75254
 DRAWING NAME: 14655 Dallas Pkwy.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 4 OF 8



CONSTRUCTION NOTES

- ① CONDUIT OWNER: LEVEL (3)
CONDUIT LENGTH: 41
CONDUIT QTY: 1
CONDUIT SIZE: 1.25
CONDUIT TYPE: PLENUM
PLACE PLENUM CONDUIT FROM EXISTING 4" SOC IN STORAGE ROOM TO FDP IN STORAGE/TELCO ROOM AT 3+73.
- ② CABLE FIBERS: 24
CABLE OWNER: LEVEL (3)
CABLE LENGTH: 66
AT STA 3+29 NEW FOC WILL ENTER BUILDING CUSTOMER CONDUIT TO TERMINATE AT NEW FDP AT STA 3+73. PLACE 25' LOOP IN NEW FDP.
- ③ PLACE NEW BACK BOARD AND WALL MOUNT RACK AT STA 3+7 IN TELCO/STORAGE ROOM.
- ④ FURNISH AND PLACE 4'x4' BACK BOARD FOR WALL MOUNT CABINET AT 3+73
- ⑤ PLACE:
1) WALL MOUNTED RELAY RACK ON BACK BOARD.
2) PLACE #6 GRD.
3) INSTALL 30" OF 1/2" EMT FROM ELECTRICAL PANEL WITH 120V 20A L520R IN ELECTRICAL ROOM AND RUN TO FDP AT STA 3+70 IN STORAGE/TELCO ROOM. TERMINATE, AND LABEL LEVEL (3) POWER.
- ⑥ CAPTURE POWER FROM EXISTING POWER BOX IN STORAGE ROOM. RUN POWER UP THROUGH CEILING ACROSS TO STORAGE/TELCO ROOM THEN DROP DOWN FROM CEILING TO TERMINATE INTO NEW FDP AT STA 3+73.

Page Take Off				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UGP-30980 -- Place up to 288 count FOC in conduit, greater than 1500'	FT	69		
ISP-41090 -- Install EMT or AC power conduit up to 2" in diameter.	FOOT	30		
ISP-41160 -- Install Innerduct (plenum, corrugated, etc.) <= 1.5" in existing conduit.	FOOT	41		
ISP-43270 -- Install plywood backboard (include fire retardant paint) up to 4'x4'x3/4".	EACH	1		
ISP-41210 -- Install 19" or 23" relay rack 2-post -- Seismic 1, 2.	EACH	1		
ISP-42550 -- Install single power receptacle up to 115-30.	EACH	1		
SPL-50090 -- SET UP AND PREP AT PANEL 1-36 FIBERS	EACH	1		
SPL-50210 -- SPLICES/SP. LOOSE TUBE UP TO 24 PER LOCATION	EACH	24		

Total Material Rate Card				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
MAT-90690 -- Innerduct: 1.25" Plenum	FT	41		
MAT-91580 -- Miscellaneous Back Board up to 4'x4'x3/4". Fire Retardant Paint	EACH	1		
MAT-91760 -- L5-20 Receptacle	EACH	1		
MAT-93010 -- Conduit: EMT 1/2"	FT	30		



3				AS-BUILT
2				REVISION # 1
1	07/17/2017	EYERS	JRR	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
Level(3) COMMUNICATIONS				
LEVEL 3 ENGINEER: Tim Fitzmaurice				
ENGINEERING FIRM: Eyrns Engineering				
PROJECT NUMBER: 150646				
LOCATION: 14655 Dallas Pkwy Dallas, TX 75254				
DRAWING NAME: 14655 Dallas Pkwy.dwg				
CONFIDENTIAL/PROPRIETARY				
				SHEET: 5 OF 8

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	826	
UGB-30830 - Place Locate Wire in Existing Conduit	FOOT	340	
UGB-31250 - Place New - 24"x36"x36" - Non-concrete Manhole / Handhole	EACH	1	
UGB-30980 - Place up to 288 count FOC in conduit, greater than 1500'	FT	429	
UGB-30480 - Select Backfill: Sand	CU FT	12	
UGB-30930 - Intercept Conduit: WYE Cast 2"	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'	FT	69	
ISP-41090 - Install EMT or AC power conduit up to 2" in diameter.	FOOT	30	
ISP-41160 - Install innerduct (plenum, corrugated, etc.) <= 1.5" in existing conduit.	FOOT	41	
ISP-43270 - Install plywood backboard (include fire retardant paint) up to 4'x4'x3/4".	EACH	1	
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

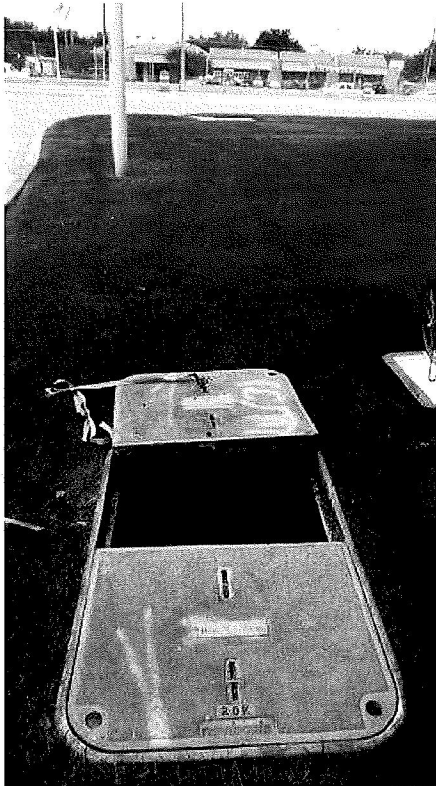
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90070 - Conduit: 1 1/4" HDPE SDR-11	FOOT	826	
MAT-91020 - Tier 22 24"x36"x36"- w/ knock-outs and racking - Including Cover	EACH	1	
MAT-91990 - Locate wire #10 AWG - solid copper with insulated jacket	FOOT	340	
MAT-90690 - Innerduct: 1.25" Plenum	FT	41	
MAT-91580 - Miscellaneous Back Board up to 4'x4'x3/4". Fire Retardant Paint	EACH	1	
MAT-91760 - L5-20 Receptacle	EACH	1	
MAT-93010 - Conduit: EMT 1/2"	FT	30	



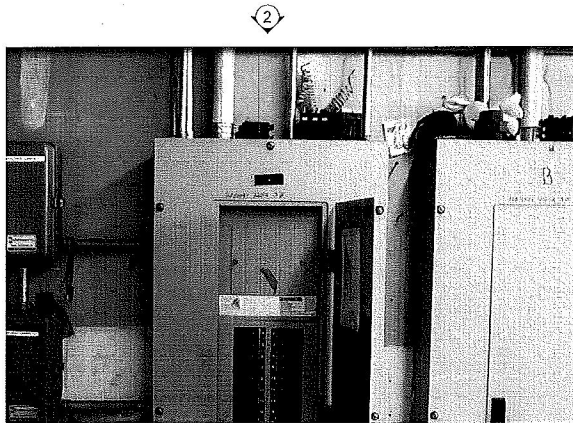
Know what's below.
Call before you dig.

3				AS-BUILT
2				REVISION # 1
1	07/17/2014	BYERS	JRH	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
Level(3) COMMUNICATIONS				
LEVEL 3 ENGINEER: Tim Fitzmaurice				
ENGINEERING FIRM: Byers Engineering				
PROJECT NUMBER: 130646				
LOCATION: 14656 Dallas Pkwy Dallas, TX 75254				
DRAWING NAME: 14656 Dallas Pkwy.dwg				
CONFIDENTIAL/PROPRIETARY				
				SHEET: 6 OF 8

SITE PHOTOGRAPHS



EXISTING TIME WARNER HANDHOLE



BREAKER BOX IN STORAGE ROOM



LOCATION OF NEW FPD - CUSTOMER IS TO CLEAN LOCATION PRIOR TO CONSTRUCTION



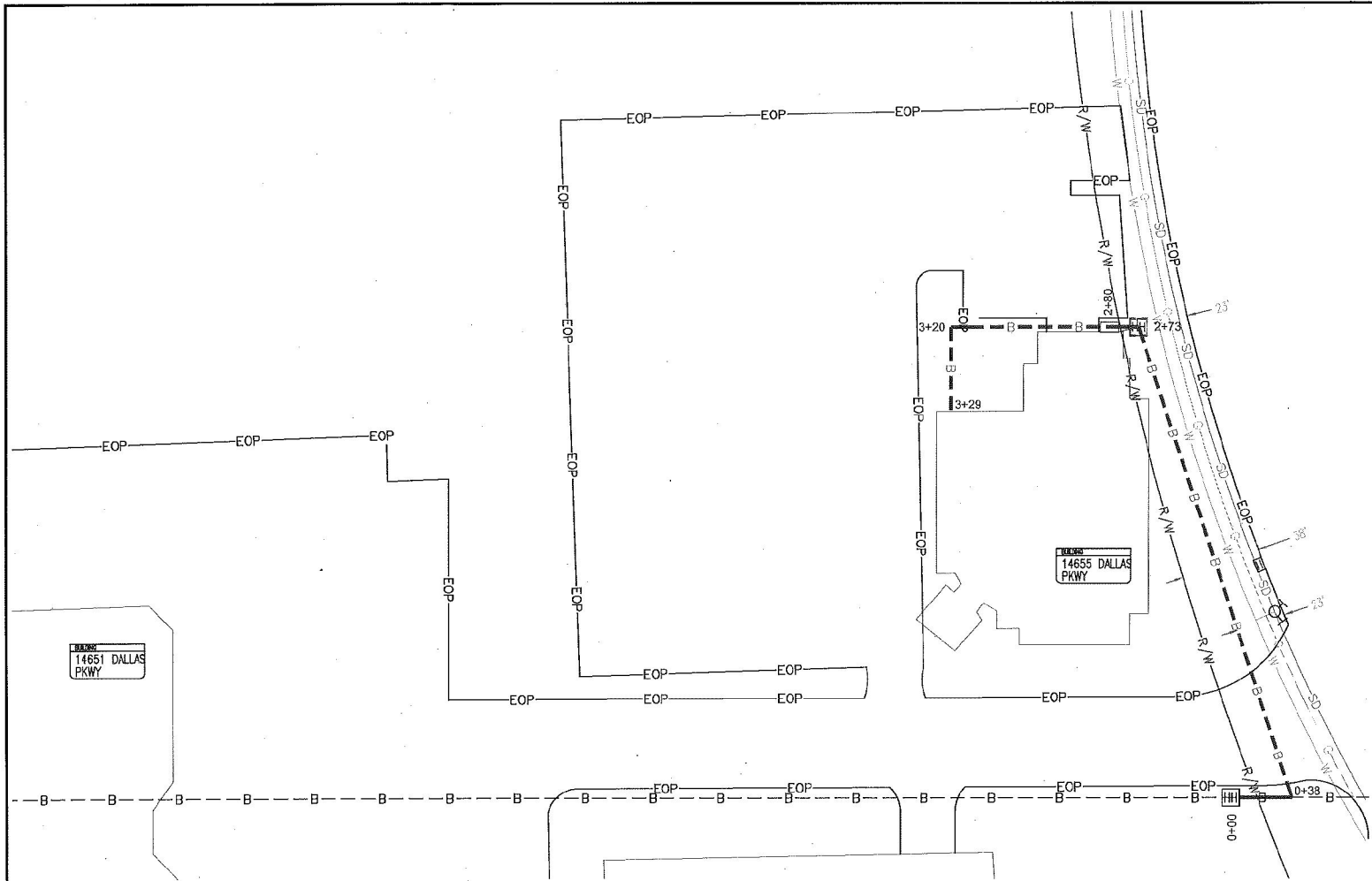
Know what's below.
Call before you dig.

NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	07/17/2017	BYERS	JRR	ORIGINAL

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
 ENGINEERING FIRM: Byers Engineering
 PROJECT NUMBER: 138646 ADSNTXLC
 LOCATION: 14655 Dallas Pkwy
 Dallas, TX 75254
 DRAWING NAME: 14655 Dallas Pkwy.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 7 OF 8



14651 DALLAS PKWY

14655 DALLAS PKWY

CALL BEFORE YOU DIG



TEXAS EXCAVATION SAFETY SYSTEM
1-800-DIG-TESS
 AT LEAST TWO WORKING DAYS BEFORE YOU DIG.
 THE LOCATIONS OF UTILITIES SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE OWNER HEREBY DISCLAIMS ANY RESPONSIBILITY TO THIRD PARTIES FOR THE ACCURACY OF THIS INFORMATION. PERSONS WORKING IN THE AREA COVERED BY THIS DRAWING MUST CONTACT STATEWIDE "CALL-BEFORE-YOU-DIG" SYSTEM TO ASCERTAIN THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO PERFORMING ANY EXCAVATION.

PERMIT DRAWING

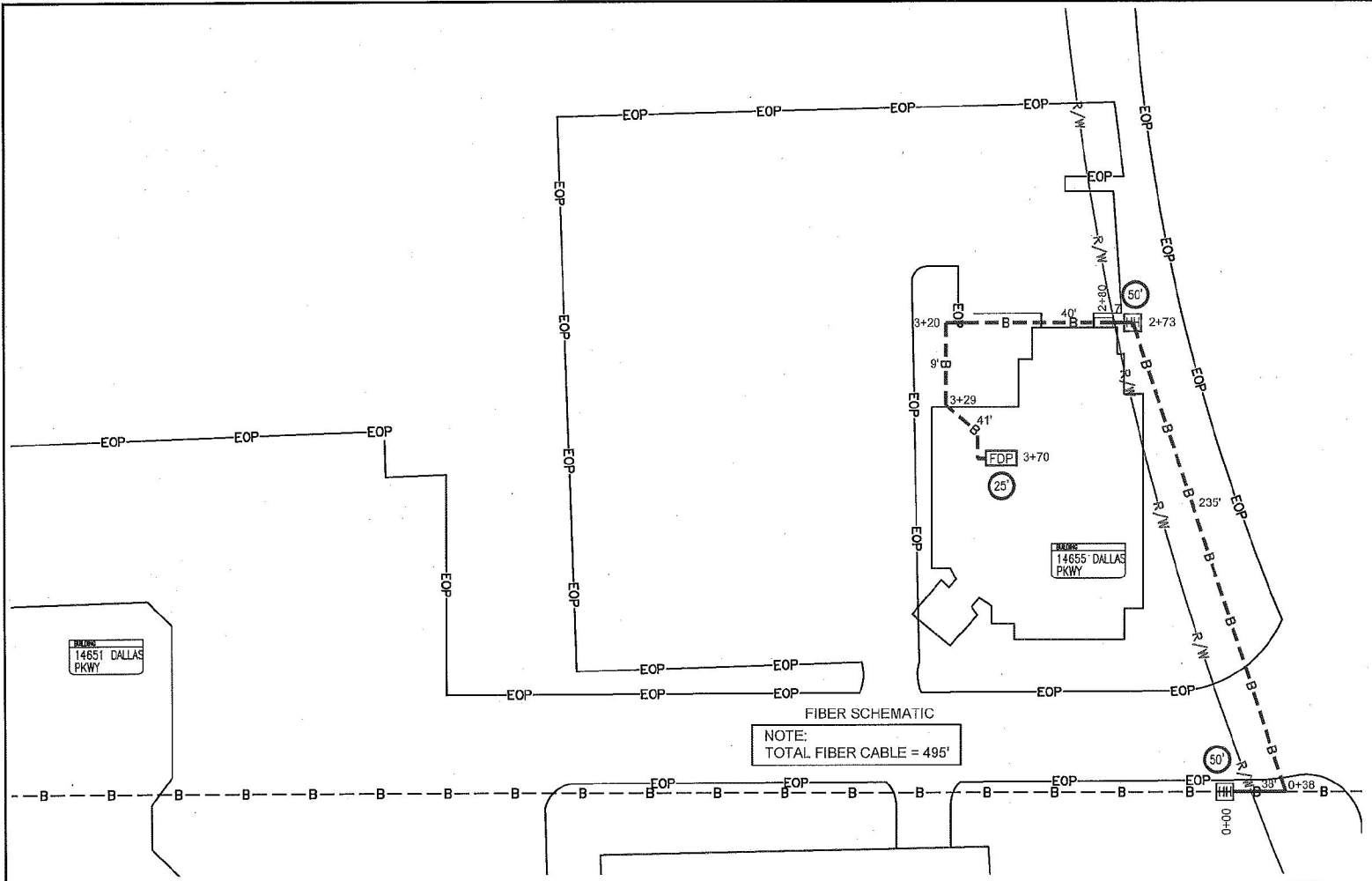


ALL EXISTING UTILITIES MUST BE POTHOLED AND DEPTH DOCUMENTED ON PRINTS OR CEASE AT LOCATION UNTIL UTILITIES ARE DOCUMENTED

MUST MAINTAIN 24" CLEARANCE FROM WATER, SAN SEWER & STORM SEWER LINES HORIZONTAL AND VERTICAL

ALL CONSTRUCTION CAN BE COMPLETED IN THE ROW WITHOUT INTERRUPTING THE FLOW OF TRAFFIC

3				AS-BUILT
2				REVISION # 1
1	07/17/2017	BYERS	JRR	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
Level(3) COMMUNICATIONS				
LEVEL 3 ENGINEER: Tim Fitzmaurice				
ENGINEERING FIRM: Byers Engineering				
PROJECT NUMBER: 136646 ADSNTXLC				
LOCATION: 14655 Dallas Pkwy Dallas, TX 75254				
DRAWING NAME: 14655 Dallas Pkwy.dwg				
CONFIDENTIAL/PROPRIETARY SHEET: 8 OF 8				



FIBER SCHEMATIC
 NOTE:
 TOTAL FIBER CABLE = 495'

FIBER SCHEMATIC



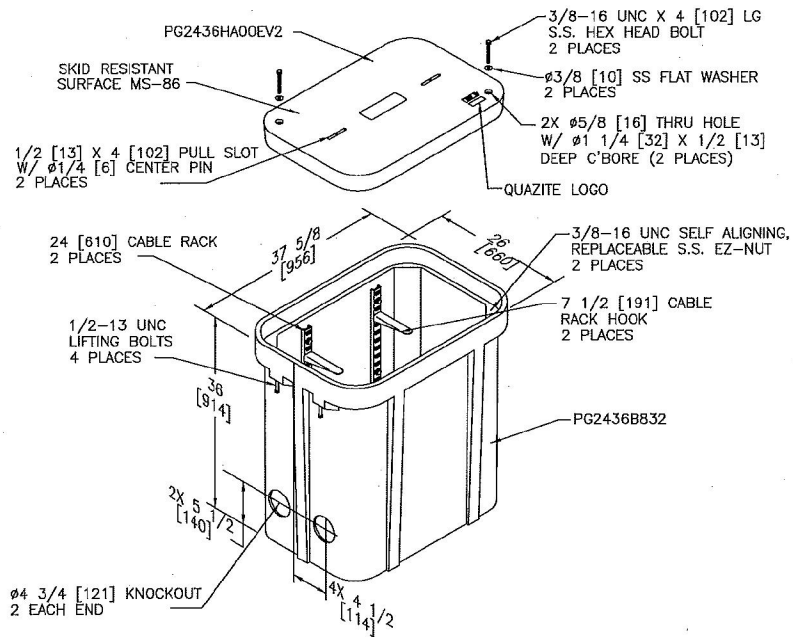
3				AS-BUILT
2				REVISION # 1
1	07/17/2017	EYERS	JRR	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT

Level(3)
 COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Fitzmaurice
 ENGINEERING FIRM: Byers Engineering
 PROJECT NUMBER: 130646 ADSENTX.C
 LOCATION: 14655 Dallas Pkwy
 Dallas, TX 75244
 DRAWING NAME: 14655 Dallas Pkwy.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 6 OF 10

TYPICALS

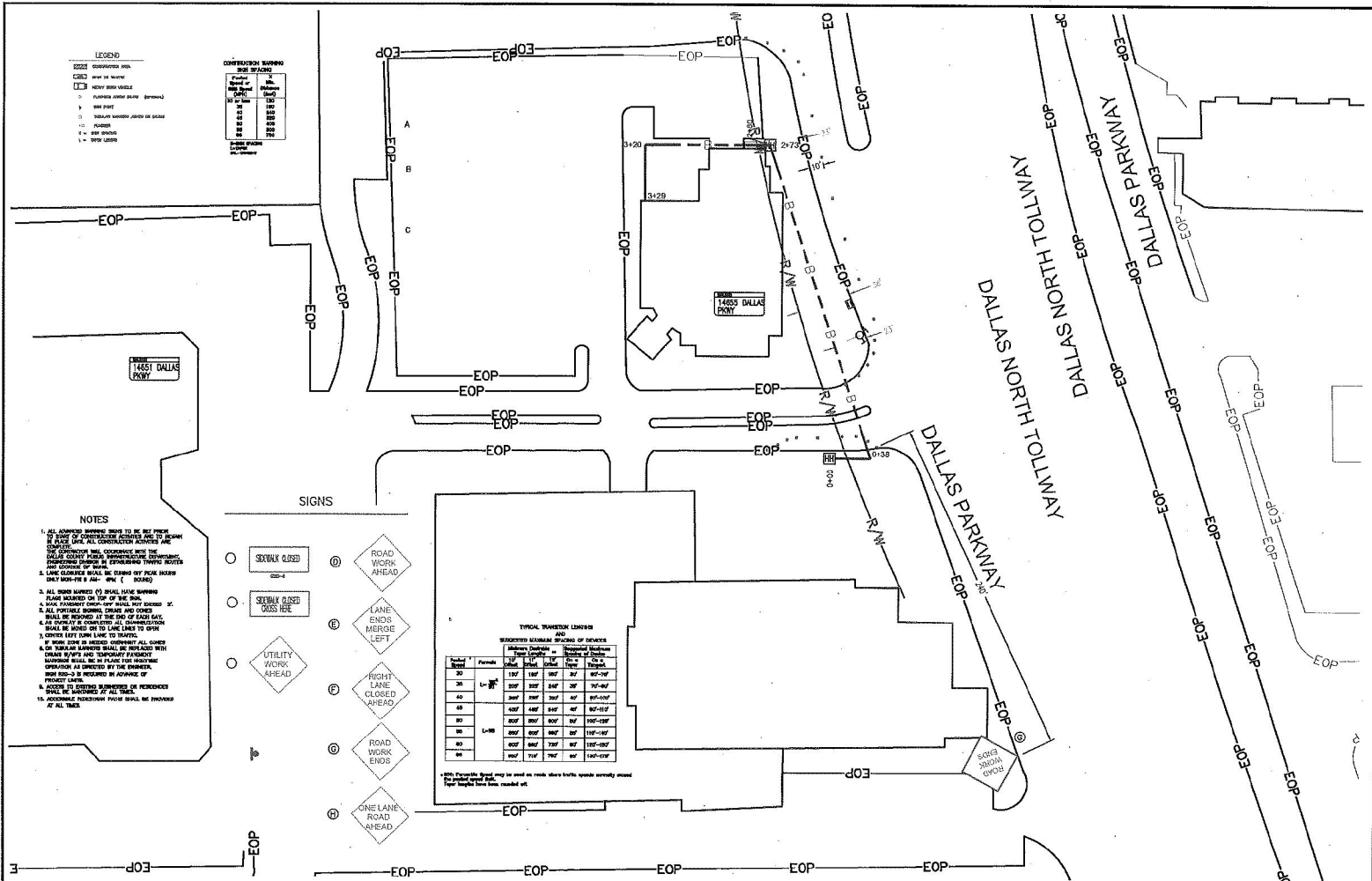


TYPICAL DETAIL - # 1

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



3				AS-BUILT
2				REVISION # 1
1	07/17/2017	EYERS	JRR	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
Level(3) COMMUNICATIONS				
LEVEL 3 ENGINEER: Tim Fitzmaurice				
ENGINEERING FIRM: Byer's Engineering				
PROJECT NUMBER: 130646		ADSN1XLC		
LOCATION: 14635 Dallas Pkwy Dallas, TX 75254				
DRAWING NAME: 14635 Dallas Pkwy.dwg				
CONFIDENTIAL/PROPRIETARY				SHEET: 7 OF 16



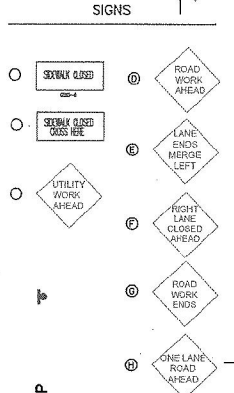
LEGEND

--- PROPOSED WORK
 --- EXISTING ROAD
 --- NEW ROAD (AS-BUILT)
 --- EXISTING ROAD (AS-BUILT)
 --- EXISTING ROAD (AS-BUILT)
 --- EXISTING ROAD (AS-BUILT)
 --- EXISTING ROAD (AS-BUILT)
 --- EXISTING ROAD (AS-BUILT)
 --- EXISTING ROAD (AS-BUILT)

CONSTRUCTION NUMBER

NO.	DATE	BY	CHKD.
1	07/17/2017	BYERS	JRR
2			
3			

- NOTES**
1. ALL APPROVED SIGNAGE MUST BE SET UP PRIOR TO START OF CONSTRUCTION. ALL SIGNAGE MUST BE MAINTAINED THROUGHOUT THE PROJECT. ALL SIGNAGE MUST BE REMOVED AT THE END OF THE PROJECT.
 2. ALL SIGNAGE MUST BE MAINTAINED THROUGHOUT THE PROJECT. ALL SIGNAGE MUST BE REMOVED AT THE END OF THE PROJECT.
 3. ALL SIGNAGE MUST BE MAINTAINED THROUGHOUT THE PROJECT. ALL SIGNAGE MUST BE REMOVED AT THE END OF THE PROJECT.
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 8. ALL SIGNAGE MUST BE MAINTAINED THROUGHOUT THE PROJECT. ALL SIGNAGE MUST BE REMOVED AT THE END OF THE PROJECT.
 9. ALL SIGNAGE MUST BE MAINTAINED THROUGHOUT THE PROJECT. ALL SIGNAGE MUST BE REMOVED AT THE END OF THE PROJECT.
 10. ALL SIGNAGE MUST BE MAINTAINED THROUGHOUT THE PROJECT. ALL SIGNAGE MUST BE REMOVED AT THE END OF THE PROJECT.



TYPICAL TRANSITION LENGTHS AND SCHEDULED MAINTENANCE OPERATIONS

Station	From	To	From	To	From	To
30	100'	100'	100'	100'	100'	100'
35	100'	100'	100'	100'	100'	100'
40	100'	100'	100'	100'	100'	100'
45	100'	100'	100'	100'	100'	100'
50	100'	100'	100'	100'	100'	100'
55	100'	100'	100'	100'	100'	100'
60	100'	100'	100'	100'	100'	100'
65	100'	100'	100'	100'	100'	100'

TRAFFIC CONTROL PLAN SHEET 3



NO.	DATE	ENG. DESIGN	DRAFTING	COMMENT
3				AS-BUILT
2				REVISION # 1
1	07/17/2017	BYERS	JRR	ORIGINAL

Level(3) COMMUNICATIONS

LEVEL 3 ENGINEER: Tim Filzmaurice
 ENGINEERING FIRM: Byers Engineering
 PROJECT NUMBER: 136546
 LOCATION: 14655 Dallas Pkwy
 Dallas, TX 75254
 DRAWING NAME: 14655 Dallas Pkwy TCCP.dwg
 CONFIDENTIAL/PROPRIETARY