



FOR ADDISON USE ONLY
 Permit Number: W-1269
 Location: 16803 D. Pkwy.
 Revised 2/20/14
Add. Rev. Side.

APPLICATION

Right of Way Work Permit -FRANCHISE

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

PLEASE PRINT LEGIBLY

Date of application: November 6, 2017
 Facility Owner Company: Alpheus Communications Company Phone #: 214.468.2211
 Utility/CTP Representative: Jose Aguilar Cell Phone #: 713.305.2655
 General Contractor: Brothers Telecom Company Phone #: 972.762.9327
 Site Supervisor Name: Jason Rodriguez 24 hour phone #: 972.762.9327

Work Site Address and Location: 16803 Dallas Parkway Addison, TX
 Contractor to place 2-1.25" HDPE along Addison Rd. at 16803 Dallas Parkway.
 Purpose and general description of work: contractor will also pull thru existing conduit along addison Rd. at 16803 Dallas Parkway.
 Proposed Start Work Date: November 20, 2017 Estimated Completion Date: December 20, 2017
 (#17302)

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

Jose Aguilar Jon Azler OSP Project Manager
 Applicant's Printed Name Signature Position with Company

Applicant's Email: Jose.Aguilar@alpheus.net/charles@tgainc.net Applicant's Phone Number: 713.305.2655

Teo Galvan 713.336.6336 Alpheus Communications
 Direct Supervisor's Printed Name Phone Number Company Name

FOR ADDISON USE ONLY

Received By: Micah Simpson Entered? Yes Received Date: 11-7-17

Approved By: Dave Wilde Inspector: JF Issue Date: 11/15/17

Plans Submitted? Yes No N/A Traffic Control Plan Submitted? Yes No N/A 12/01/17

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

Fee Paid: NA Receipt#: CTP Date: 11-28-17 Processed By: Micah Simpson

Picked Up By: Jason R. Company: Brothers Date & Time: 11-28-17

TOWN OF ADDISON INFRASTRUCTURE OPERATIONS AND 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
11-42AM



FOR ADDISON USE ONLY
 Permit Number: W-12.69
 Location: 16803 Dlx. Pkwy
 Revised 2/20/14
Add Rd Side

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: Brothers Telecom General Contractor's Phone #: 214.468.2211

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

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

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

Insurance Provided? Yes No On File

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

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

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

Insurance Provided? Yes No On File

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

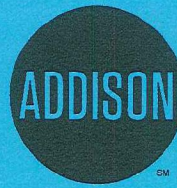
Print Sub-Contractor's Name: _____ Sub-Contractor Phone #: _____

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

Insurance Provided? Yes No On File.

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RIGHT OF WAY, EXCAVATION &
LANE CLOSURE PERMIT



INFRASTRUCTURE &
DEVELOPMENT SERVICES

16801 WESTGROVE DRIVE
ADDISON, TEXAS 75001
972.450.2871

W-1269

PERMIT NUMBER

11/20/17

START DATE

12/20/17

EST. COMPLETION DATE

BROTHERS TELECOM

CONTRACTOR

ALPHEUS

FOR

16803 DALLAS PKWY

LOCATION (ADDRESS)

ADDISON RD FROM EXCEL PKWY TO ADDRESS

LOCATION (ACTUAL)

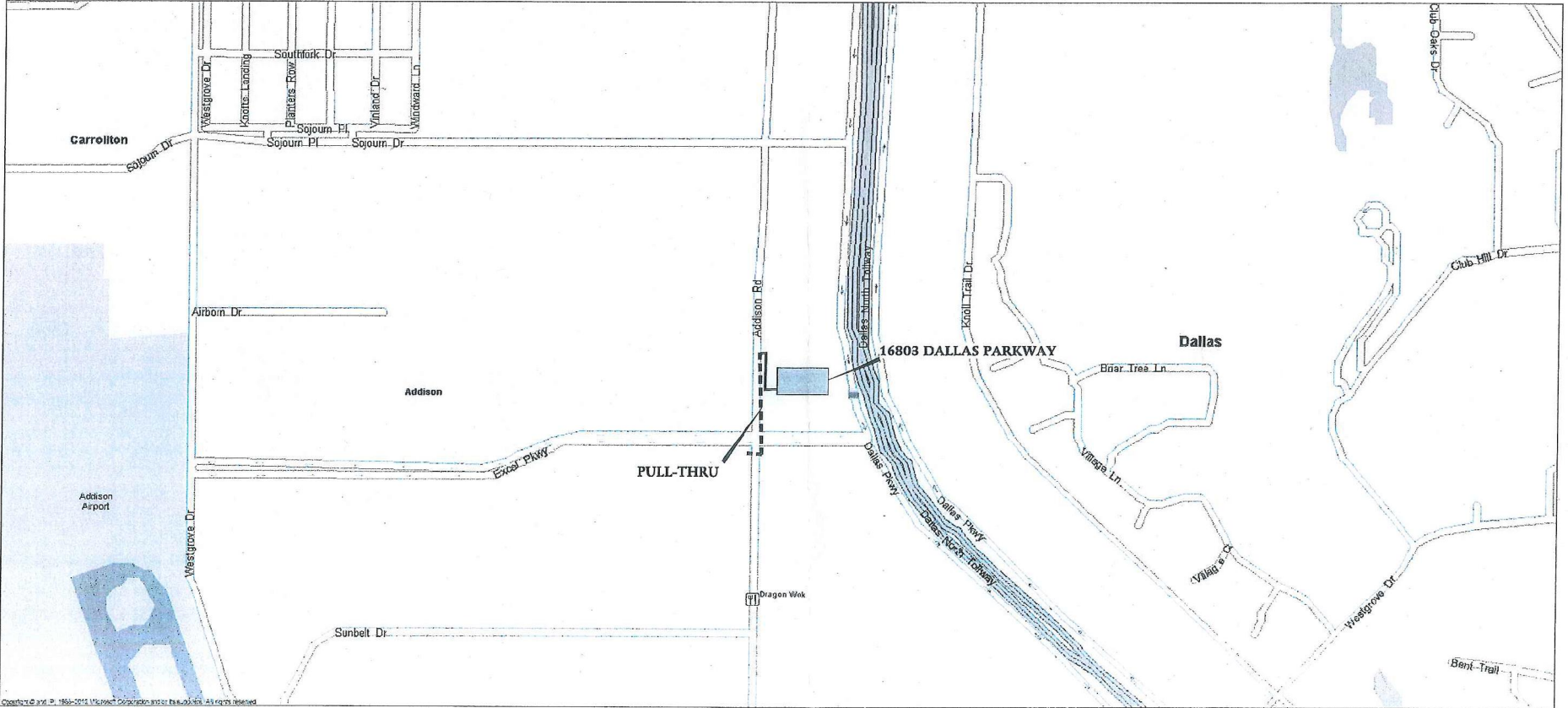
PLACE NEW CONDUITS & PULL CABLE THRU NEW AND EXISTING

TYPE OF WORK

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



16803 DALLAS PARKWAY
PHASE II
ADDISON, TEXAS
PROJECT #



GENERAL NOTES:

- 1. ALL WORK WILL COMPLY WITH APPLICABLE LOCAL AND REGULATORY AGENCIES, INCLUDING, BUT NOT LIMITED TO, OSHA, ETC. GENERAL NOTES WILL APPLY TO ALL DRAWINGS.
- 2. THE CONTRACTOR WILL NOTIFY (IF APPLICABLE) THE ADJACENT PROPERTY OWNERS A MINIMUM OF 24 HOURS IN ADVANCE OF CONSTRUCTION.
- 3. ALL TRAFFIC CONTROL DEVICES WILL BE IN PLACE PRIOR TO CONSTRUCTION. DEVICES NO LONGER NEEDED WILL BE REMOVED AS QUICKLY AS POSSIBLE.
- 4. PEDESTRIAN TRAFFIC AREAS MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS WILL NOT BE ROUTED ONTO PRIVATE PROPERTY.
- 5. NO MATERIALS OR EQUIPMENT WILL BE STORED OR ALLOWED TO STAND UNPROTECTED WHERE PEDESTRIAN OR VEHICULAR TRAFFIC IS PRESENT.
- 6. NO EQUIPMENT OR MATERIALS WILL BE STORED ON ROAD SURFACE DURING NON-WORK PERIODS.
- 7. NO EQUIPMENT OR MATERIALS WILL BE STORED ON THE SIDEWALK AT ANY TIME.
- 8. EXCAVATION MATERIAL WILL BE STORED AWAY FROM THE PAVED ROADWAY. ALL SPILLED MATERIAL WILL BE PICKED UP IMMEDIATELY.
- 9. EXISTING SIGNS, DELINEATORS, GUARDRAILS, MARKERS, TREES, SHRUBS, FENCES, WALKS, STEPS, ETC. THAT ARE DISTURBED BY THIS CONSTRUCTION WILL BE REPLACED OR RESTORED TO ORIGINAL OR BETTER CONDITION OR TO THE SATISFACTION OF THE ENGINEER, PROPERTY OWNER, OR ANY MUNICIPAL AUTHORITY HAVING JURISDICTION.
- 10. MUNICIPAL ROAD SIGNS, DELINEATORS, GUARDRAILS, ETC. WILL NOT BE REMOVED WITHOUT PRIOR WRITTEN PERMISSION FROM THE APPROVING AUTHORITY.
- 11. ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE CITY, COUNTY, AND STATE SPECIFICATIONS AND STANDARDS.
- 12. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS, BUT ARE NOT NECESSARILY EXACT. THEREFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR FLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN EVENT OF CONFLICTS.
- 13. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING PUBLIC AND OR PRIVATE UTILITY LINES, INCLUDING BUT NOT LIMITED TO WATER LINES AND TRAFFIC SIGNAL CONDUITS, WASTEWATER COLLECTION SYSTEMS, STORM SEWERS DURING CONSTRUCTION. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE CITY OF PLANO, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING "STANDARD CONSTRUCTION SPECIFICATIONS" WITH THE LATEST ADDENDA AND AMENDMENTS THEREIN, WITH NO COST TO THE CITY OF PLANO STREET, BRIDGE AND R.O.W.
- 1. CONDITION OF THE ROAD AND/OR RIGHT OF WAY, UPON COMPLETION OF JOB, SHALL BE AS GOOD AS OR BETTER THAN PRIOR TO STARTING WORK
- 2. EXPOSE 15" OF REINFORCING STEEL AT PROPOSED SAWED JOINT. IF NO REINFORCING STEEL EXISTS, USE HORIZONTAL DOWELS. HORIZONTAL DOWELS SHALL BE #5 BARS 24" LONG, 24" C-C, DRILLED AND EMBEDDED 8" INTO THE CENTER OF THE EXISTING SLAB WITH "PO ROD" OR EQUAL
- 3. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
- 4. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
- 5. CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS AND STATE OF TEXAS LAW CONCERNING EXCAVATION, TRENCHING AND SHORING AS SPECIFIED FOR THE CITY OF PLANO.
- 6. WHEELCHAIR RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF PLANO STANDARDS AT ALL INTERSECTIONS WHERE SIDEWALKS EXIST AND MEET ADA REQUIREMENTS AND EXISTING CURB OR SIDEWALK IS DAMAGED OR REMOVED DURING CONSTRUCTION.
- 7. DRIVEWAYS SIDEWALKS AND PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF PLANO, DEPARTMENT OF PLANNING/ DEVELOPMENT AND ENGINEERING'S "STANDARD CONSTRUCTION SPECIFICATIONS" AND "STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING" UNLESS OTHERWISE NOTED AND APPROVED ON THESE PLANS. THE DESIGN IS CONSISTENT WITH THE MINIMUM STANDARDS ESTABLISHED IN THE DESIGN MANUAL FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING".

CONSTRUCTION NOTES

- 1. DIRECTIONAL BORING WILL BE UTILIZED WHEREVER POSSIBLE. ALL EXCAVATIONS WILL BE BACKFILLED PER CITY, DOT, AND COUNTY SPECIFICATIONS.
- 2. FIBER OPTIC WARNING TAPE WILL BE PLACED 12" BELOW THE EXISTING GRADE IN ALL EXCAVATIONS.
- 3. VERIFICATION OF THE LOCATION OF EXISTING UTILITY CROSSING IS THE RESPONSIBILITY OF THE CONTRACTOR. HAND DIGGING WILL BE UTILIZED WHERE REQUIRED.
- 4. CALL THE LOCAL UTILITY ONE-CALL AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION.
- 5. A 24" SEPARATION BETWEEN CITY OF PLANO FACILITIES AND OTHER UTILITIES WILL BE MAINTAINED.
- 6. CONDUIT CAPS WILL BE PLACED ON THE ENDS OF ALL VACANT DUCTS DURING CONSTRUCTION, UPON COMPLETION, AND WHILE AWAITING FIBER INSTALLATION.
- 7. INSTALL THREE (3)-1.25" HDPE CONDUIT AS SHOWN ON DRAWING.
- 8. THE MINIMUM BENDING RADIUS FOR FIBER CABLE WILL BE 24".
- 9. MAXIMUM CABLE INSTALLATION TENSION WILL NOT EXCEED 500 POUNDS. A 600 POUND BREAKAWAY SWIVEL WILL BE USED DURING PULLING.
- 10. THE REMOVAL AND STORAGE OF ALL SHRUBBERY TO BE REPLACED IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 11. THE CONTRACTOR WILL BE RESPONSIBLE FOR RESTORING THE CONSTRUCTION AREA TO ORIGINAL OR BETTER CONDITION.
- 12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONSTRUCTION AS-BUILT DRAWINGS AND PRESENT A COMPLETE SET OF RED-LINED DRAWINGS TO ALPHEUS AND THE CITY OF PLANO WITHIN 14 DAYS OF COMPLETION OF THE WORK.
- 13. CONDUITS WILL BE TERMINATED NO MORE THAN SIX (6) INCHES ABOVE THE FLOOR GRADE IN HANDHOLES.
- 14. PLACE AT LEAST EIGHT (8) INCHES OF CRUSHED ROCK IN THE BOTTOM OF HANDHOLE PITS PRIOR TO PLACING THE WIRE MESH (2 SQUARES PER INCH) AND THE HANDHOLE.
- 15. PLACE 100 FEET FIBER SLACK COIL IN EACH HANDHOLE/HANDHOLE.
- 16. BURIED POWER LINES: HAND DIG AS REQUIRED.
- 17. BURIED FIBER OPTIC TELEPHONE CABLES: HAND DIG AS REQUIRED.
- 18. BURIED CATV CABLES: HAND DIG AS REQUIRED.
- 19. BURIED GAS LINES: HAND DIG AS REQUIRED.
- 20. BORE OUTSIDE THE DRUPLINE OF ALL TREES TO PREVENT ROOT DAMAGE.
- 21. WHEN TRENCHING, BORE IF A TREE ROOT OF 1" DIAMETER OR LARGER IS ENCOUNTERED.
- 22. UNLESS OTHERWISE INDICATED, RIGHT OF WAY (ROW) LINES COINCIDE WITH THE BACK OF SIDEWALK.
- 23. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

ALL CONTRACTORS MUST SECURE "LANE/STREET CLOSURE PERMITS" FROM THE CITY'S DEPARTMENT OF PLANNING/DEVELOPMENT AND ENGINEERING BEFORE CLOSING A LANE, STREET OR SIDEWALK. THE REQUEST MUST BE MADE AT LEAST THREE BUSINESS DAYS PRIOR TO THE DATE FOR WHICH THE CLOSURE IS SOUGHT. NOTE THAT WORKING HOURS MAY BE RESTRICTED OR THE REQUEST MAY BE DENIED.

TRENCH SAFETY SYSTEMS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREPARE SHOP DRAWINGS FOR THE "TRENCH SAFETY SYSTEM" AS REQUIRED BY O.S.H.A. BY A LICENSED PROFESSIONAL ENGINEER RETAINED AND PAID BY THE CONTRACTOR.

UNDERGROUND GAS FACILITIES

LOCATIONS OF TXU MAIN LINES (TO INCLUDE UNIT GAS TRANSMISSION AND/OR INDUSTRIAL GAS SUPPLY CORPORATION WHERE APPLICABLE) ARE SHOWN IN AN APPROXIMATE LOCATION ONLY. SERVICE LINES ARE USUALLY NOT SHOWN. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED. WHEN TXU PIPE LINE MARKINGS ARE NOT VISIBLE, CALL FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS. WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF TXU FACILITIES ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN TXU FACILITIES ARE EXPOSED SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

STREETS, DRIVEWAYS, SIDEWALKS, PAVING, WATER LINES, WASTEWATER COLLECTION SYSTEMS, AND DRAINAGE SYSTEMS SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH THE CITY OF PLANO, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S "STANDARD CONSTRUCTION SPECIFICATIONS", AND "STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING" UNLESS OTHERWISE NOTED AND APPROVED ON THESE PLANS. THE DESIGN IS CONSISTENT WITH THE MINIMUM STANDARD ESTABLISHED IN THE DESIGN MANUAL FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING".

MATERIAL LIST

DESCRIPTION	QUANTITY



ALPHEUS COMMUNICATIONS
16803 DALLAS PARKWAY
PHASE II
ADDISON, TEXAS
PROJECT#

APPROVALS

DRAWN BY	TECH GROUP	DATE	AUG-2017
CHECKED BY		DATE	
DESIGN COORD.		DATE	
PROJECT SUPV.		DATE	
OPERATIONS		DATE	

REVISIONS

NO.	DESCRIPTION	DATE

DRAWING DATA

HOR. SCALE:	N.T.S.	F.B.:	
VERT. SCALE:	N.T.S.	PROJECT ID:	
File No.: 17302			
PHASE			

DATE: NOV-2017

APPROVERS TITLE

02 OF 10

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CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
48 HOURS NOTICE REQUIRED.
CALL: 1-800-344-8377

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CONTACTS

ALPHEUS COMMUNICATIONS

UTILITY COMPANIES

CITY GOVERNMENT

OUTSIDE PLANT ENGINEERING

PROJECT ENGINEER:
 NAME: TEO GALVAN PHONE: 713.336.6336
 SUPERVISOR:
 NAME: N/A PHONE: ()
 MANAGER:
 NAME: PHONE: ()

CALL BEFORE YOU DIG (TX.) PHONE: 1-800-545-6005
 TEXAS ONE CALL

COMPANY: Dig Tess PHONE: ()
 CONTACT:
 ADDRESS:
 CITY, STATE:

CITY: ARLINGTON PHONE: 972.459.6550
 CONTACT:
 ADDRESS: 312 ABRAMS STREET
 CITY, STATE: RICHARDSON, TEXAS

OUTSIDE PLANT CONSTRUCTION

PROJECT SUPERVISOR:
 NAME: RJ McCALL PHONE: 817.247.4078
 CONSTRUCTION ENGINEER:
 NAME: N/A PHONE: ()
 MANAGER:
 NAME: PHONE: ()

COUNTY GOVERNMENT

COUNTY:
 CONTACT: PHONE: ()
 ADDRESS:
 CITY, STATE:

UTILITY COMPANIES

ENGINEERING CONTRACTOR

NAME: Tech Group PHONE: 972.613.0881
 PROJECT MANAGER:
 NAME: Charles Martinez PHONE: 214.317.5452
 ENGINEERING SUPERVISOR:
 NAME: PHONE: ()

STATE GOVERNMENT

STATE:
 CONTACT: PHONE: ()
 ADDRESS:
 CITY, STATE:

CONSTRUCTION CONTRACTOR

NAME: TBD
 PROJECT MANAGER: PHONE:
 NAME: TBD
 ENGINEERING SUPERVISOR: PHONE: ()
 NAME:

MATERIAL LIST

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ALPHEUS COMMUNICATIONS
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APPROVALS

DRAWN BY	TECH GROUP	DATE
		NOV-2017
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OPERATIONS	DATE	

REVISIONS

NO.	DESCRIPTION	DATE

DRAWING DATA

HOR. SCALE:	N.T.S.	F.B.:
VERT. SCALE:	N.T.S.	PROJECT ID:
File No.:	17302	

PHASE
 DATE: AUG-2017 APPROVERS_TITLE

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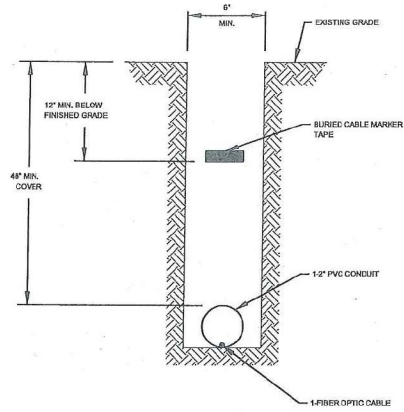
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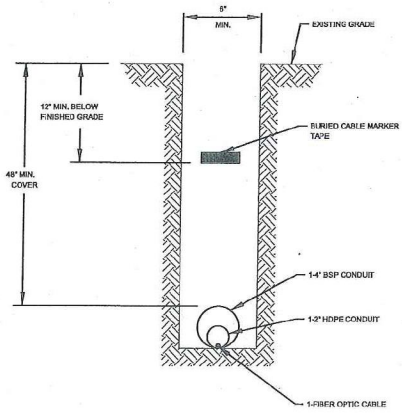
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CONSTRUCTION TYPICALS

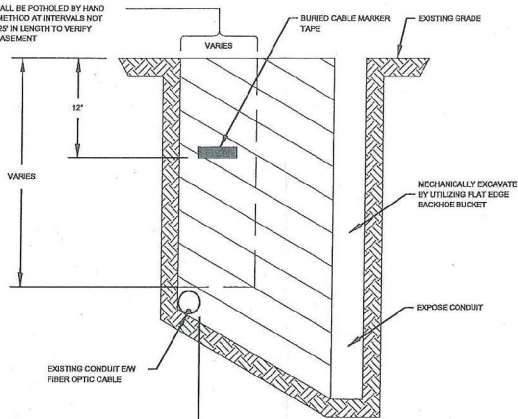


TYPICAL DETAIL "A"
EXPOSE CONDUIT



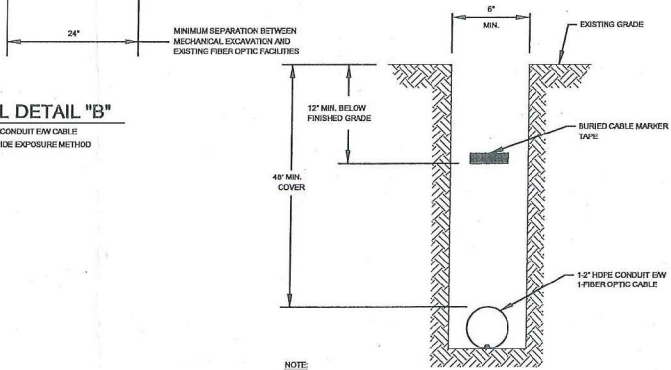
TYPICAL DETAIL "D"
PLACE 1-4" BSP CONDUIT

CONDUIT SHALL BE POTHOLED BY HAND EXPOSURE METHOD AT INTERVALS NOT TO EXCEED 20' IN LENGTH TO VERIFY ACTUAL ENGAGEMENT



TYPICAL DETAIL "B"
EXPOSE CONDUIT E/W CABLE
POTHOLESIDE EXPOSURE METHOD

THIS DETAIL SHALL ONLY APPLY FOR THE EXPOSURE OF ALL BURIED CONDUIT, WHICH SHALL INCLUDE HOPE



TYPICAL DETAIL "C"
PLACE 1-2" HOPE CONDUITS

NOTE
BACKFILL MUST BE MADE WITH ROCK FREE MATERIAL

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04 OF 10

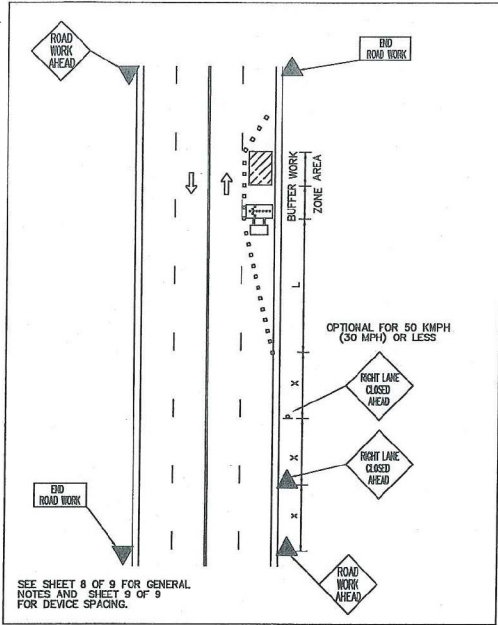
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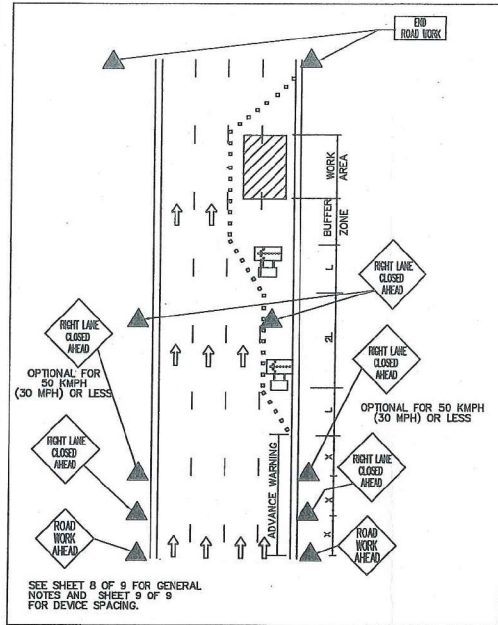


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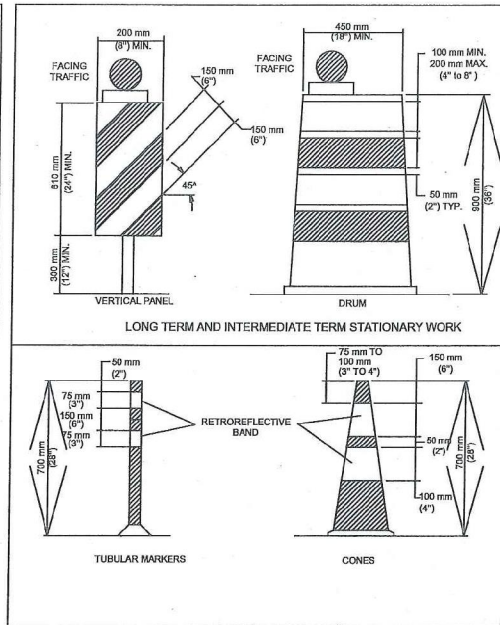
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ARTERIAL ONE LANE CLOSURE



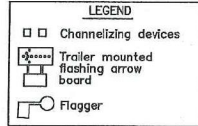
ONE WAY ARTERIAL TWO-LANE CLOSURE



CHANNELIZING DEVICES


Typical Transition Lengths and Suggested Maximum Spacing of Devices

Speed KM/PH	Posted Speed MPH	Formula	Minimum Desirable Taper Lengths (L) Meters (Feet)			Suggested Max. Device Spacing Meters (Feet)		Suggested Sign Spacing "x" Dimension	
			3.0(10) Offset Meters (feet)	3.3(11) Offset Meters (feet)	3.6(12) Offset Meters (feet)	On a taper Meters (feet)	On a tangent Meters (feet)		
50	30	L=WS ² 60	45 (150)	50 (165)	55 (180)	7.5 (30)	9 (30)	15-20 (60-75)	40 (120)
55	35		55 (205)	70 (225)	75 (245)	10 (35)	15 (50)	25-25 (70-80)	50 (160)
65	40		80 (285)	80 (295)	100 (320)	12 (40)	25-30 (80-100)	75 (240)	
70	45	L=WS ² 100	135 (450)	150 (495)	165 (540)	15 (45)	25-30 (90-110)	100 (320)	
80	50		180 (590)	185 (605)	190 (620)	15 (50)	30-35 (100-125)	120 (400)	
90	55		165 (550)	185 (605)	200 (660)	16 (55)	35-40 (110-140)	150 (500)	
95	60	L=WS ² 150	180 (600)	200 (660)	220 (720)	18 (60)	40-45 (120-150)	180 (600)	
105	65		195 (650)	215 (715)	235 (780)	19 (65)	40-50 (130-165)	210 (700)	
115	70		215 (705)	235 (770)	255 (840)	21 (70)	45-55 (140-175)	240 (800)	



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ADDISON, TEXAS
PROJECT#

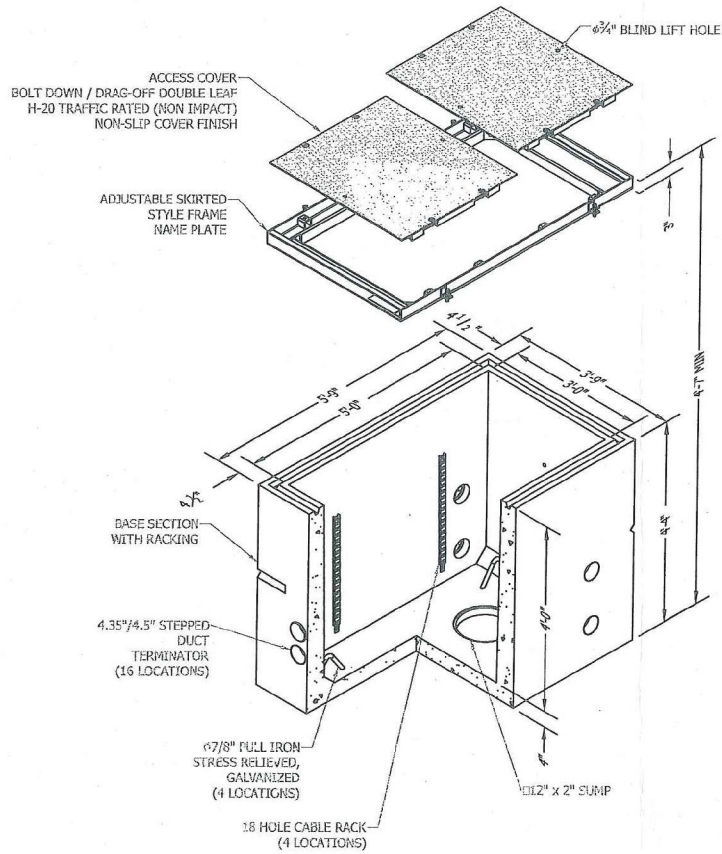
APPROVALS			
DRAWN BY	TECH GROUP	DATE	NOV-2017
CHECKED BY		DATE	
DESIGN COORD.		DATE	
PROJECT SUPV.		DATE	
OPERATIONS		DATE	

REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING DATA		
HOR. SCALE:	N.T.S.	F.B.:
VERT. SCALE:	N.T.S.	PROJECT ID:
File No.:	17302	

PHASE	
DATE: NOV-2017	APPROVERS TITLE

3' X 5' X4 PRECAST HANDHOLE DETAIL



MATERIAL LIST

DESCRIPTION	QUANTITY



ALPHEUS COMMUNICATIONS
 16803 DALLAS PARKWAY
 PHASE II
 ADDISON, TEXAS
 PROJECT#

APPROVALS

DRAWN BY	TECH GROUP	DATE	NOV-2017
CHECKED BY		DATE	
DESIGN COORD.		DATE	
PROJECT SUPV.		DATE	
OPERATIONS		DATE	

REVISIONS

NO.	DESCRIPTION	DATE

DRAWING DATA

HOR. SCALE:	N.T.S.	F.B.:	
VERT. SCALE:	N.T.S.	PROJECT ID:	
File No.:	17302		
PHASE			

DATE: NOV-2017 APPROVERS TITLE

06 OF 10

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CALL BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 48 HOURS NOTICE REQUIRED.
 CALL: 1-800-344-8377

W:\VAPAC23\Land Projects\17402016803 DALLAS FWOY PH2 ALPHEUS\17402016803.dwg, 11/6/2017 2:18:45 PM, HP_Lawler, 9050 PS, Noemi Hernandez

CLARIFICATION #	DESCRIPTION	QUANTITY
630	DIRECTIONAL BORE	230
210	4" CORE	1
212	(OSP) 2-1.25" HDPE	230
212	(ISP) 1-1.25" PLENUM RATED INNERDUCT	-
240	HANDHOLE	-
410	(OSP) TOTAL 48 FIBER CABLE	905
410	(ISP) TOTAL 96 FIBER CABLE	-

MATERIAL LIST	
DESCRIPTION	QUANTITY



ALPHEUS COMMUNICATIONS
16803 DALLAS PARKWAY
PHASE II
ADDISON, TEXAS
PROJECT#

APPROVALS		
DRAWN BY	TECH GROUP	DATE
CHECKED BY		DATE
DESIGN COORD.		DATE
PROJECT SUPV.		DATE
OPERATIONS		DATE

REVISIONS		
NO.	DESCRIPTION	DATE

DRAWING DATA		
HOR. SCALE:	N.T.S.	F.B.:
VERT. SCALE:	N.T.S.	PROJECT ID:
File No.: 17302		

PHASE

DATE: NOV-2017 APPROVERS_TITLE

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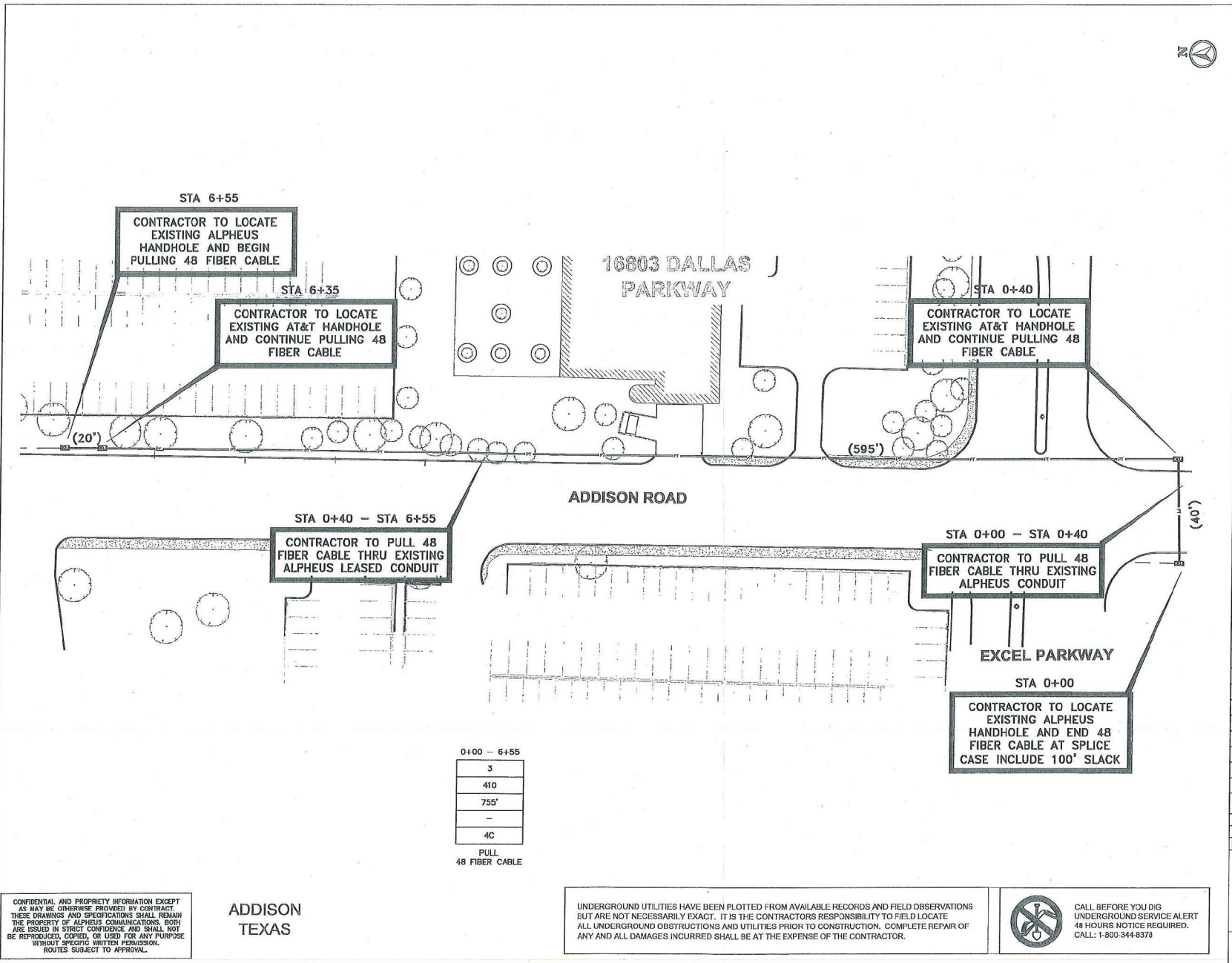
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MATERIAL LIST

DESCRIPTION	QUANTITY



ALPHEUS COMMUNICATIONS
 16803 DALLAS PARKWAY
 BUILDING CONNECT
 ADDISON, TEXAS
 PROJECT#

APPROVALS

DRAWN BY	DATE
CHECKED BY	DATE
DESIGN COORD.	DATE
PROJECT SUPV.	DATE
OPERATIONS	DATE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWING DATA

HOR. SCALE:	N.T.S.	F.B.:
VERT. SCALE:	N.T.S.	PROJECT ID:
File No.: 17302		

PHASE
PULL THRU

DATE:	NOV-2017	DIRECTOR
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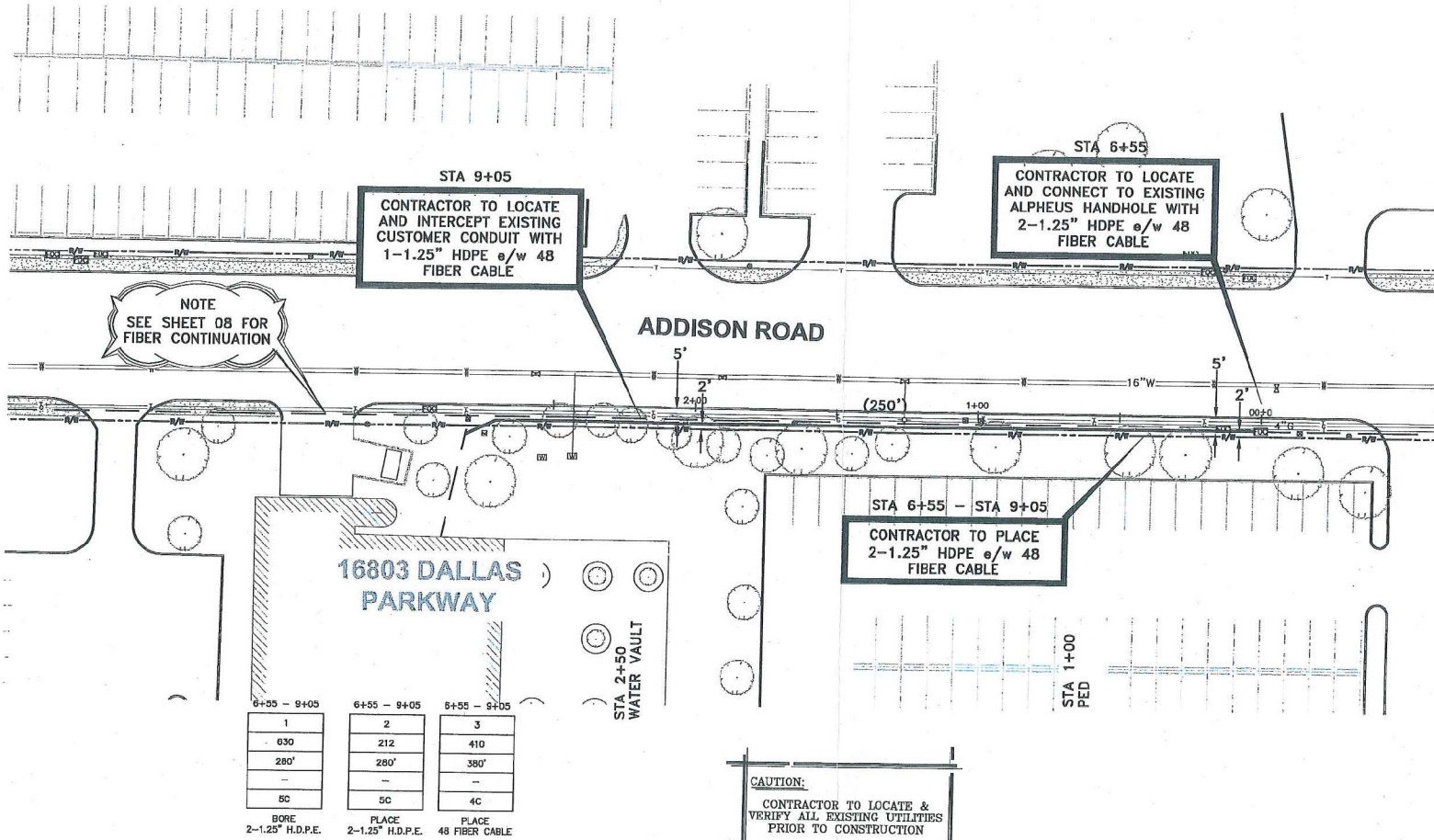
3
410
755'
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4C

PULL
48 FIBER CABLE

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NOTE

UTILITY & R.O.W. REPRESENTED ON PLANS ARE BASED ON RECORDS. NOT ON BOUNDARY SURVEY & FIELD EXPOSURES.



MATERIAL LIST	
DESCRIPTION	QUANTITY



ALPHEUS COMMUNICATIONS
16803 DALLAS PARKWAY
BUILDING CONNECT
ADDISON, TEXAS
PROJECT#

APPROVALS

DRAWN BY	DATE
CHECKED BY	DATE
DESIGN COORD.	DATE
PROJECT SUPV.	DATE
OPERATIONS	DATE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWING DATA

HOR. SCALE: 1"=40'	F.B.:
VERT. SCALE: 1"=40'	PROJECT ID:
File No.: 17302	
PHASE	

NEW BUILD

DATE: NOV-2017 DIRECTOR

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ADDISON TEXAS

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