

PERMIT APPLICATION REVIEW FORM FOR **CABLE, CONDUIT, AND POLE LINE ACTIVITY IN FORT BEND COUNTY**

Fort Bend County Engineering Department 301 Jackson Suite 401

Richmond, Texas 77469 281.633.7500 Permits@fortbendcountytx.gov

Х	Right	of Way Permit
	Comn	nercial Driveway Permi
Perr	nit No:	2018-17777

•	•	e activity in Fort Bend County and accompanying opriate regulations set by Commissioner's Court
(1) COMPLETE APPLICATION FORM:		
X a. Name of road, street, and/or	drainage ditch affec	cted.
X b. Vicinity map showing course	of directions	
X c. Plans and specifications		
(2) BOND:		
County Attorney, approval whe applicable.	n	
X Perpetual bond currently posted.	Bond No:	Amount: \$50,000.00
Performance bond submitted.	Bond No:	Amount:
Cashier's Check	Check No:	Amount:
(3) DRAINAGE DISTRICT APPROVAL (WHE	:N APPLICABLE): -	Date
We have reviewed this project and agree it not be seen as the seen agree of the seen agree.	neets minimum req	
		1/26/2018
Permit Administrator		Date



REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

Fort Bend County Engineering Department 301 Jackson Suite 401

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X	Right	of Way Permit
	Comr	mercial Driveway Permit
Pern	nit No:	2018-17777

		Permit No: 2	018-17777			
Appl	icant: MCI Me	etro Access Tranmission Se	ervices, Corp	o./Eagle Eye Per	rmitting & Design, LLC	
Job	Location Site:	16500 W Bellfort Boulevard	d, Sugarland	, TX 77998		
Bono	d No.	Date of Bond:	5/1/2017	Amount:	\$50,000.00	
Layin Road Comi Texa:	g, Construction, s, Streets, Highw missioners Court s, of the Minutes	Maintenance, and Repair of vays, and Drainage Ditches in of Fort Bend County, Texas,	Buried Cables Fort Bend Co ' as passed by of Fort Bend	s, Conduits, and ounty, Texas, Un y the Commissio County, Texas, t	bject to, "The Order Regulating Pole Lines, In, Under, Across of the der the Jurisdiction of the ners Court of Fort Bend Count to the extent that such order	or Along
Note 1. 2.	Evidence of rev grounds for job Written notice a. 4 b. V	o shutdown. s are required: 8 hours in advance of constru	uction start u ed and ready mentOnline.o	p, and for final inspect org portal.	site and failure to do so constitution to Petot commenced.	
Comi notic	missioner e of said above p		put and carri ged by the Co	ed, it is ORDERE ommissioners Co	_, seconde D, ADJUDGED AND DECREED ourt of Fort Bend County, Texa	that said
Signa	ature		Pres	ented to Commi	ssioners Court and approved.	
Ву:	Church O. County Enginee	*/	Date	Recorded	Comm. Court No	
Ву:	N/A		Cleri By:	c of Commission	ers Court	
- ,.	Drainage Distric	ct Engineer/Manager		Deputy		

ACCESS TRANSMISSION SERVICES CORPORATION **MCImetro**

OUTSIDE PLANT CONSTRUCTION FIBER OPTIC CABLE ROUTE

MCI ONE-FIBER BUCCEES TO ELLIS CREEK STAFFORD, TX

SITE NFID: 1708ANBB.002

PROJECT STATUS: CONSTRUCTION



MAP LINE LEGEND



ORIZONTAL: 1"= N/A
VERTICAL: 1"= N/A

SCALE

FILE: ECC-BUCCEES

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<u>`</u>	THERWINGS AN WINGS AN IE PROI	DESCRIPTION	DAVID	I/2017 EAGLE I	OUTSIDE PLANT CONSTRUCTION						
	SE PROVIDED BY DSPECIFICATIONS PERTY OF MCI INC. BOTH BEING IND SHALL NOT BE USED FOR ANY TTEN PERMISSION.	ION BY) ZAVALA	EYE	TITLE: FIBER OPTIC ROUTE BUCCEES TO ELLIS CREEK STAFFORD, TX	-					

BUCCEES TOWER Madden Rd

WHATO Clodine Rd

3

1464

Bissonnet St

Famore Dr

Crooked Arrow Dr

Gaines Rd

Old Ri

Sauki Ln

9

6

<u>~</u>

12

Clodine Rd

36 St

5

W Bellfort

W Bellfort Dr

Old Addicks-Howell Rd

Old Village Lr

Old FM-1464

Oleta Ln

8

19

VILLAGE OF OAK LAKE

Burney Rd

COVING

GIEN IV

Voss Rd



NFID: 1708ANBB.002
BUCCEES TO ELLIS CREEK
STAFFORD, TX
PROJECT:
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CONTACT SHEET

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BUCCEES TO ELLIS CREEK

STAFFORD, TX

NFID: 1708ANBB.002

STAFFORD, TX FORT BEND COUNTY

DANIEL PETERS

SPLICING MANAGER: TSO MANAGER: COORDINATOR: MANAGER: AGENT: MANAGER: PROJECT COORDINATOR: CONSTRUCTION MANAGER: PROJECT SUPERINTENDENT: NAME OF FIRM: PROJECT MANAGER: PROGRAM MANAGER: LIGHTWAVE ENGINEER: PROJECT COORDINATOR: PROJECT ENGINEER: PRESIDENT: CIVIL ENGINEER: PROJECT COORDINATOR: CONSTRUCTION CONTRACTOR: **OUTSIDE PLANT CONSTRUCTION:** PROJECT MANAGER: MCI **ENGINEERING CONTRACTOR** TERMINAL CONST. REP.: AURELIO MALLAMANCE ERVIN CABLE CONSTRUCTION 844-322-2524 OFFICE: OFFICE: CELL: E-MAIL OFFICE: CELL: E-MAIL 270-349-0337 UNION PACIFIC RAILROAD NON MEMBERS: MCI UTILITY LOCATE TEXAS ONE CALL SYSTEM (UTILITY LOCATES) RAILROADS UTILITIES

402-544-8620 1-800-545-6005 1-800-624-9675 N A - TRAFFIC - ROAD & BRIDGE - STORM QUALITY - WATER TXDOT HARRIS COUNTY CITY OF HOUSTON - SANITARY SEWER FEDERAL GOVERNMENT STATE GOVERNMENT COUNTY GOVERNMENT CITY GOVERNMENT SAMIR GOEL MIKE NOWROOZI SAM HABIBI NAEEM HUSAIN RICK KOVACICH ZIA MOHAMMADI ROBERTO GOMEZ BILL CROUCH 713-802-5321 832-394-9123 832-394-9124 832-394-9128 832-394-9132 832-394-9134 832-394-9160 832-394-9161

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ACCESS TRANSMISSION SERVICES

CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
BUCCEES TO ELLIS CREEK
STAFFORD, TX

N/A

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AWN BY:

DAVID ZAVALA

12/21/2017 EER: EAGLE EYE

GENERAL NOTES / CLARIFICATION NOTES

GENERAL NOTES

- VERIZON BUSINESS COMPRISES THE FOLLOWING OPERATING ENTITIES:

- MCI COMMUNICATIONS SERVICES, INC.
 MCI METRO ACCESS TRANSMISSION SERVICES CORPORATION
 MCI METRO ACCESS TRANSMISSION SERVICES OF VIRGINIA, INC.
 MCI METRO ACCESS TRANSMISSION SERVICES OF MASSACHUSETTS, INC.
 METROPOLITAN FIBER SYSTEMS OF NEW YORK, INC.
- 5 ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, VERIZON BUSINESS AND THE RIGHT-OF-WAY GRANTOR.
- ω LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALUATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
- 4. 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 PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN THE EVENT OF CONFLICT.
- 57 ALL KNOWN BURIED OBSTRUCTIONS ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT AND REPAIR IF
- ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL CONDITION.
- EQUIPMENT TYPES SPECIFIED HEREIN (IE: "BACKHOE", SWAMP PLOW" ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXPECTATIONS.
- .∞ SHORING OF BORE PITS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
- 9 BURIED CABLE MARKERS WILL BE PLACED AT ALL UNDERGROUND UTILITY LOCATIONS AND ALL OTHER LOCATIONS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND THE OUTSIDE PLANT HANDBOOK
- ALL 4" ID CONDUIT WILL BE SCHEDULE 40 (EG.: PVC OR GSP/BSP), OR AS SPECIFIED.

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UNDERGROUND CONDUIT WILL BE PLACED AT 48° MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

CLARIFICATION NOTES

- - LOCATION

STATION

- CLARIFICATION NO. AND MINIMUM COVER
- QUANTITY LINEAR FOOTAGE/SQUARE FOOTAGE, SIZE OF MANHOLE/HANDHOLE SIZE OF PULL/SPLICE BOX, DIMENSION OF WALL, HEIGHT/CLASS/TYPE OF POLE
- TYPICAL DRAWING NO. AND TYPICAL DETAIL DRAWING NUMBER
- PLANT ACCOUNTING CODE
- SPECIFIED CONDUIT, HANDHOLE/MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL, BRIDGE NO. AND RAILROAD STATION, MATERIAL, POLE NO.

ADDENDUM NOTES: HARRIS **COUNTY - 48 HOUR NOTICE**

- CONTRACTOR SHALL NOTIFY HARRIS COUNTY (48 HOURS) PRIOR TO COMMENCING CONSTRUCTION AND/OR BACKFILLING ANY UTILITIES.

 CONTRACTOR(S) ARE TO CONTACT HARRIS COUNTY "PUBLIC REVIEW DEPARTMENT" BY PHONE OR EMAIL.

 713-274-3931
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CLARIFICATION NOTES (CONT NUED)

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BUCCEES TO ELLIS CREEK

NFID: 1708ANBB.002

STAFFORD, TX

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PLACE BURIED CABLE MARKERS AND SIGNS/MWCOM WATER CROSSING SIGNS PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING HANDHOLES/MANHOLES REMOVE BURIED CABLE MARKER POST/HARDWARE REMOVE CONCRETE BURIED CABLE MARKER POST	JETTING CONDUIT EMBEDMENT PLOW DIRECTIONAL BORE	DIRECT BURY CABLE EXPOSE DIRECT BURIED CABLE EXPOSE DIRECT BURIED CABLE AND RELOCATE REMOVE AND DISPOSE OF CABLE PLACE AERIAL CABLE RELOCATE AERIAL CABLE DELASH AERIAL CABLE RELASH AERIAL CABLE REMOVE AERIAL CABLE REMOVE AERIAL CABLE REMOVE AERIAL CABLE PLACE POLE/PUSH BRACE REMOVE POLE/PUSH BRACE	PULL CABLE PULL THROUGH DUCT (INNERDUCT) REMOVE CABLE FROM CONDUIT REPOSITION ACTIVE CABLE SLACK	ATTACH CONDUIT TO WALL OR STRUCTURE DETACH CONDUIT FROM WALL OR STRUCTURE CORE BORE ATTACH PULL/SPLICE BOX TO WALL OR STRUCTURE	PLACE CONDUIT PLACE HIGH DENSITY POLYETHYLENE (HDPE) ROCK ADDER SLURRY BACKFILL ADDER EXPOSE CONDUIT EXPOSE CONDUIT AND RELOCATE EXPOSE CONDUIT AND REPLACE/SUBSTITUTE EXPOSE AND REMOVE CONDUIT EXPOSE AND RESTING HANDHOLE REMOVE EXISTING HANDHOLE EXCAVATE SPLICE PIT PLACE MANHOLE REMOVE EXISTING MANHOLE REMOVE EXISTING MANHOLE CONSTRUCT WALL REMOVE AND RESTORE ASPHALT REMOVE AND RESTORE CONCRETE REMOVE AND RESTORE SIDEWALK REMOVE AND RESTORE SIDEWALK REMOVE AND RESTORE CURBING

MCImetro

ACCESS TRANSMISSION SERVICES

CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE

BUCCEES TO ELLIS CREEK STAFFORD, TX

WN BY:

DAVID ZAVALA

EER. 12/21/2017

EAGLE EYE

MCI OUTSIDE PLANT FOCUS

FIBER OPTIC CABLE UNCOVERING SYSTEM

- 1. THE TITLE OF THIS PROGRAM, F.O.C.U.S., AN ACRONYM FOR "FIBER OPTIC CABLE UNCOVERING SYSTEM," WAS SELECTED TO REMIND EVERYONE INVOLVED WITH WORKING NEAR MCI'S ACTIVE FIBER OPTIC SYSTEMS TO FOCUS ON PROTECTING THE FACILITIES. IF, DURING THE COURSE OF THE PROJECT, YOU NOTICE ANY ACTIVITY WHICH MAY JEOPARDIZE THE MCI OSP FACILITIES, IT IS YOUR DUTY TO STOP THE WORK AND RE-F.O.C.U.S.
- 2. F.O.C.U.S. RULES MUST BE FOLLOWED ON ALL MCI PROJECTS INVOLVING WORK ON OR NEAR MCI OSP FACILITIES. SAFETY IS MCI'S NUMBER ONE PRIORITY; EVERYONE MUST REFRAIN FROM UNSAFE AND IMPROPER PRACTICES.
- 3. REVIEW OF F.O.C.U.S. IS MANDATORY AT EVERY PRE-BID, PRE-CONSRUCTION SITE MEETING AND DAILY TAILGATE MEETING. F.O.C.U.S. DISCUSSION MUST INCLUDE SITE-SPECIFIC HISTORY, UNIQUE PROBLEMS, FACILITY CONFIGURATIONS THAT MAY BE ENCOUNTERED, AND PAST ERRORS. "THOSE WHO DO NOT LEARN FROM HISTORY ARE DOOMED TO REPEAT IT." DO NOT LET THIS HAPPEN TO YOU.
- 4. ANY WORK NEAR OR REQUIRING HANDLING OF MCI OUTSIDE PLANT FACILITIES CAN ONLY BE PERFORMED WITH AN MCI EMPLOYEE OR CONTRACT REPRESENTATIVE PRESENT -- THIS MEANS OUT OF HIS OR HER VEHICLE AND DIRECTLY MONITORING THE WORK. THE REPRESENTATIVE MUST HAVE A PROPERLY OPERATING CABLE LOCATOR CHECKED FOR ACCURACY EVERY DAY PRIOR TO COMMENCEMENT OF WORK (COMPARISON OF LINE AND DEPTH READINGS TO ACTUAL LINE AND DEPTH OF THE CABLE).
- 5. LOCATE AND POTHOLE REQUIREMENTS:
- PRIOR TO ANY EXCAVATION, THE MCI EMPLOYEE OR CONTRACT REPRESENTATIVE MUST VERIFY THE
 INITIAL LOCATE MARKS COMPLETED BY MCI OPERATIONS. DO NOT TRUST LOCATE RESULTS
 COMPLETED BY OTHERS THE MCI OR CONTRACT REPRESENTATIVE MUST LOCATE THE CABLE
 RUNNING LINE BY MAKING AT LEAST ONE PASS IN EACH DIRECTION. LOCATE RESULTS MUST THEN BE
 COMPARED WITH PREVIOUS MARKS AND THE AS-BUILTS.
- IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 3 FEET OF THE CABLE, THE
 CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY
 MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POTHOLE (ALL
 POTHOLES MUST BE COMPLETED BY HAND DIGGING OR VACUUM EXCAVATION) A MINIMUM OF
 EVERY 15 FT., THEN EXPOSE THE ENTIRE LENGTH OF THE CABLE BY HAND DIGGING OR VACUUM
 EXCAVATION.
- IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 5 FEET (BUT NOT CLOSER THAN 3 FEET) OF THE CABLE, THE CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POTHOLE THE CABLE A MINIMUM OF EVERY 15 FT.
- IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 5 FEET (BUT NOT CLOSER THAN 3 FEET) OF THE CABLE, THE CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POTHOLE THE CABLE A MINIMUM OF EVERY 15 FT.
- THE CABLE WILL ALSO BE POTHOLED AT ANY CHANGE IN THE RUNNING LINE OF MORE THAN 1 FT.
 IN ANY DIRECTION, ANYTIME THE ACCURACY OF THE ELECTRONIC LOCATE IS QUESTIONED, OR
 THE MARKED RUNNING LINE DOES NOT MATCH THE AS-BUILTS.

6. EXPOSING REQUIREMENTS:

- NO MECHANICAL EXCAVATION WITHIN 3 FT. OF OSP FACILITIES WILL BE ALLOWED UNLESS THE FACILITIES HAVE FIRST BEEN PROPERLY LOCATED, POTHOLED, POSITIVELY IDENTIFIED, CONTINUOUSLY EXPOSED BY HAND DIGGING OR VACUUM EXCAVATION, AND THE FACILITES ARE CLEARLY VISIBLE.
- IN ADDITION, MECHANICAL EXCAVATION WITHIN 3 FT. OF OSP FACILITIES REQUIRES ON-SITE PRIOR APPROVAL FROM MCI'S EMPLOYEE OR CONTRACT REPRESENTATIVE.
- 7. PLEASE REFER TO THE LATEST EDITION OF THE MCI OSP HANDBOOK FOR ADDITIONAL DETAILS. KNOW IT AND FOLLOW IT.

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MCI OUTSIDE PLANT CONSTRUCTION GENERAL REQUIREMENTS

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BUCCEES TO ELLIS CREEK

STAFFORD, TX

- ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS MUST BE FOLLOWED WITHOUT EXCEPTION.
- PERSONAL PROTECTIVE EQUIPMENT APPROPRIATE FOR THE SPECIFIC WORK SITE SHALL BE USED AT ALL TIMES. AT A MINIMUM, HARD HAT, SAFETY SHOES/STEEL-TOED BOOTS, AND FLORESCENT ORANGE OR GREEN WORK VEST ARE REQUIRED UPON ENTERING ANY MCI WORK SITE.
- USE OF INTOXICANTS, DRUGS, INHALANTS OR ANY OTHER SUBSTANCES THAT MAY IMPAIR ALERTNESS ARE STRICTLY PROHIBITED.
- CONTRACTORS ARE NOT ALLOWED TO CUT ANY CABLE. CABLES SCHEDULED FOR REMOVAL WILL BE CUT BY MCI OPERATIONS PERSONNEL, AND ONLY AFTER VERIFICATION THAT ALL TRAFFIC HAS BEEN OFF-LOADED.
- EXTREME CAUTION MUST BE USED AT ALL TIMES WHEN WORKING ON OR NEAR ACTIVE CABLES. AN MCI EMPLOYEE OR CONTRACT REPRESENTATIVE MUST APPROVE AND BE PRESENT PRIOR TO AND DURING ALL CABLE HANDLING ACTIVITIES.
- TOOLS AND EQUIPMENT SPECIFICALLY DESIGNED FOR THE JOB AT HAND ARE REQUIRED. USE THE PROPER TOOL FOR THE JOB.
- CONDUIT WORK INVOLVING ACTIVE CABLES REQUIRES SPECIALIZED TOOLS SPECIFICALLY DESIGNED TO ACCESS DUCTS WITH ACTIVE CABLES.
- PROTECTING MCI FACILITIES IS EXTREMELY IMPORTANT; HOWEVER, SAFETY REGARDING YOURSELF AND OTHERS IS THE MOST IMPORTANT PART OF ANY PROJECT.

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION

PROVIDER: 12/21/2017

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
BUCCEES TO ELLIS CREEK
STAFFORD, TX

CLARIFICATION SUMMARY SHEET PROJECT SPECIFIC

PROJECT CLARIFICATION SUMMARY		
DESCRIPTION	QUANTITY	TINU
PLACE (30"x60"x30") HANDHOLE	15	ΕA
PLACE 1-2" HDPE (SDR 11) CONDUIT	12,360	듀
PULL 1-96F CABLE (INCLUDES 900' IN COILS)	923	۲
PLACE (BURIED CABLE) MARKER	15	ΕA
ATTACH (25') 2" U-GUARD RISER	0	ΕA
(PLACE) DOWN GUY & ANCHOR LEAD	0	ΕA
PLACE 1-6M AERIAL STRAND (INCLUDES ALL HARDWARE, LOOP EQUIPMENT, & 175' IN GUYS)	0	듀
LASH 1-288F CABLE (INCLUDES 300' IN SLACK LOOPS & RISERS)	0	듀

No. DATE DES	😤	DATE: 12/21/2017 ENGINEER: EAGL		MCImetro ACCESS TRANSMISSION SERVICES CORPORATION					NFID: 170	STAFF(PROJECT:	verizo
VISIONS DESCRIPTION		m		OUTSIDE PLANT CONSTRUCTION					1708ANBB.002	ORD,		7
ION BY	O ZAVALA	ЭҮЭ	_	TITLE: FIBER OPTIC ROUTE BUCCEES TO ELLIS CREEK STAFFORD, TX	-				3.002	TO ELLIS CREEK		On business

FILE: ECC-BUCCEES

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HORIZONTAL: 1"= N/A
VERTICAL: 1"= N/A

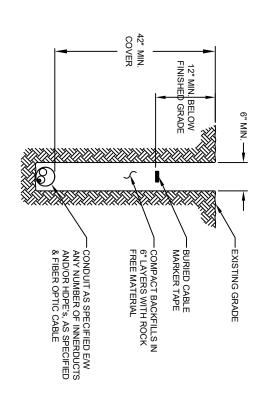
SCALE

DITCH LINE CORE BORE PVC OR SPLIT PVC CONDUIT DIRECT BURIED HDPE TOE OF SLOPE TOP OF SLOPE GUARDRAIL FENCE LINE PROPERTY LINE TAX, CITY, COUNTY, OR STATE BOUNDARY LINE BACK OF CURB EDGE OF PAVEMENT EDGE OF ROADWAY (GENERIC) RIGHT-OF-WAY CENTERLINE AUXILLARY TRACKS MAIN TRACKS UNDERGROUND UTILITY (TELEPHONE) TO BE REMOVED OR ABANDONED (SHOWN FOR HDPE) REMOVE CABLE FUTURE CABLE **DIRECTIONAL BORE (& PLACE CONDUIT)** JACK AND BORE REMOVE AND RESTORE ASPHALT OR CONCRETE (WIDTH AS INDICATED) STEEL CASING BSP/GSP OR SPLIT BSP/GSP CONDUIT FOGWIRE CABLE SUBMARINE CABLE AERIAL CABLE DIRECT BURIED CABLE AERIAL UTILITY (ELECTRIC) - R/W -**EXISTING** -SUBM-SYMBOLS KEY MILE POST MARKER NOTE: DASHED = NOT FOUND IN FIELD STEEL MARKER AND SIGN-(A) ALUMINUM "HUB"-STYLE MARKER-(B) FLAT MARKER-(C) TUBULAR MARKER-(D) TUBULAR MARKER, & ISOLATOR PROTECTOR-(E) **CAUTION NOTE** FIRE HYDRANT GAS VALVE WATER METER BRIDGE CULVERT (SIZE AS INDICATED) PUSH BRACE (EXISTING POLE) SIDEWALK ANCHOR AND GUY ANCHOR AND GUY OVERHEAD GUY (ARROW IN DIRECTION OF PULL) POLE RAILROAD SIGNAL CONTROL BOX BOND AND GROUND RISER ATTACHMENT LOCATION GUY ONLY ANCHOR ONLY HANDHOLE, MANHOLE OR PULLBOX UTILITY COVER DEPTH ROCK PROBE (DEPTH AS INDICATED) PERMIT TRACKING FORM IDENTIFIER ACCOUNT CODE CHANGE (BURIED TO AERIAL) FOREIGN ANCHOR AND GUY || B&G OHG 92' 10M ☐ STA. MKR. # LE: ECC-BUCCEES RIZONTAL: **Erizon**business AWN BY: DAVID ZAVALA **MCImetro** BUCCEES TO ELLIS CREEK **ACCESS TRANSMISSION SERVICES** EER: EAGLE EYE 12/21/2017 NFID: 1708ANBB.002 CORPORATION 95 SCALE TO MP **OUTSIDE PLANT CONSTRUCTION** <u>|</u> 유 <u>|</u> TITLE: FIBER OPTIC ROUTE N/A N/A

BUCCEES TO ELLIS CREEK STAFFORD, TX

CONSTRUCTION DETAILS

TYPICAL DETAIL"A" TRENCH & PLACE CONDUIT



TYPICAL DETAIL "B" CROSS SECTION OF PROPOSED HDPE UNIT AS SPECIFIED VANY NUMBER OF PROPOSED FIBER

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BUCCEES TO ELLIS CREEK

STAFFORD, TX

NFID: 1708ANBB.002

CONDUIT AS SPECIFIED

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INNERDUCTS AND /OR

HDPE's AS SPECIFIED

PROPOSED FIBST
OPTIC CABLE

ROPOSED HDPE DIRECTIONAL BORE CRI FOR COND FOR COND OPTIC CABLE THE PROPOSED FIBER OPTIC CABLE

EXISTING GRADE 42" MIN COVER CONDUIT AS SPECIFIED EM ANY NUMBER OF INNERDUCTS AND/OR HDPE's, AS SPECIFIED & FIBER OPTIC CABLE

3" CORE BORE 1-2.375" O.D. HDPE EPOXIED INTO 3" DIAM. CORE BORE 3" O.D. DIAMETER CORE BORE

TYPICAL DETAIL "D"

EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL GAP BETWEEN 2.375" CONDUIT AND PVC SLEEVE.

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- CONCRETE OR
ROCK HEADWALL
(WHERE OCCURS)

DATE: 12/21/2017 ENGINEER: EAGLE EYE DRAWN BY: DAVID ZAVALA REVISIONS No. DATE DESCRIPTION EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT; THESE DRAWNGS AND SECURIFORMINGS AND SECURIFORMING SERVICE OF THE WISE PROVIDED BY CONTRACT; THESE DRAWNGS AND SECURIFORMING SERVICE OF THE WISE PROVIDED BY CONTRACT; THESE DRAWNGS AND SECURIFORMING SERVICE OF THE WISE PROVIDED BY CONTRACT; THESE DRAWNGS AND SECURIFORMING SERVICE OF THE WISE PROVIDED BY CONTRACT CO

REMOVE ANY SLACK IN THE LASHING WIRE BY MAINTAINING A PULL ON THE WIRE AND TAPPING THE STRAND SHARPLY. THEN FORM THE WIRE OVER THE STUD AND TIGHTEN THE NUT. CUT THE FREE END OF THE LASHING WIRE OFF 0.75" BEYOND THE END OF THE CLAMP. CABLE SUSPENSION-CLAMP 2" GALV. STEEL: U-GUARD CABLE SUSPENSION-BOLT FORMING WIRE OVER STUD OF CLAMP SUSPENSION STRAND - PULL TOWARD 24" SPACER NUT 2 GUY HOOK-POLE ARRANGEMENT FOR **JOINING 045 LASHING WIRE POLE - LESS THAN 5 FEET** TYPICAL DETAIL "A" TYPICAL DETAIL "G" TYPICAL DETAIL "D" **VERIAL TO BURIED** 1.EXTEND U-GUARD MIN. 6" BELOW GROUND LEVEL 2.FOR CONDUIT PLACE U-GUARD BELOW SURFACE TO CONDUIT ADAPTER. POLE TOP VIEW GROUND LEVEL FORM THE LASHING WIRE AROUND THE STRAND AND PLACE IT BELOW THE STUD AND BETWEEN THE SECOND WASHER AND STUD SHOULDER. FORMING LASHING WIRE CABLE SUSPENSION .625" BOLT **CURVED WASHER** AROUND STRAND GENERAL AERIAL CONSTRUCTION DETAILS STAINLESS STEEL LASHER -CABLE SUPPORT AND 0.50" SPACER CAUTION TAG FIBER OPTIC CABLE BLACK IN COLOR C LASHING WIRE GRIP LASHING WIRE SHOULD FOLLOW LAY OF STRAND WIRES UNDER GRIP. CABLE SUSPENSION BOLT · 42" MIN. 4" PVC BEND (36"-RADIUS) CABLE LASHING-WIRE CLAMP CORNER SUSPENSION GROUND LEVEL— CABLE CLAMP CURVED WASHER: 0.8125"x2" ROUND POLE ARRANGEMENT FOR REPEATER SUSPENSION STRAND - PULL AWAY U-GUARD-LASHING WIRE GRIP AND CLAMP CABLE-FROM POLE - 5 FEET OR MORE POLE TOP CONDUIT TO HH OF REPEATER WASHER OR HANDHOLE LOCATION TYPICAL DETAIL "H" TYPICAL DETAIL "B" YPICAL DETAIL "E" GROOVED PLATES-THREADED STUD **CLAMPING NUT** × SHOULDER - 6" MIN. (X=MIN. OF 20 TIMES 24" THE CABLE DIA.) 8" PREFEERABLY BUT NO LESS THAN 10" -POLE -GUY -SPACER NUT CONDUIT ON QUARTER ON POLE NEAREST REPEATER OR SPLICE HANDHOLE 2 GUY HOOK - 2ND LASHING WIRE 2ND WASHER 1ST LASHING WIRE **TERMINATING NUT** 1ST WASHER POLE TOP VIEW #6 INSULATED COPPER WIRE AND-10'x0.75" COPPER CLAD GROUND STAINLESS STEEL LASHER CABLE-SUPPORT AND 0.50" SPACER TO CABLE REEL CABLE GUIDE: GROUND WIRE CLAMP-CABLE CABLE TYPIC TYP AT S APPROX. 4" 0.75"x8' DEAD END EACH WITH-10" SCREW ANCHOR YPICAL DETAIL "F" PICAL DETAIL "C" NCHOR & DOWN GUY ICAL ARRANGEMENT OF LASHER AND CABLE GUIDE PICAL DETAIL "I" EX. GRADE -AL CABLE & HARDWARE PULLING LINE SNAP **NSTALLATION** 12 0 10" 12 CABLE-CABLE LASHER

-GUY

MCImetro

ACCESS TRANSMISSION SERVICES

CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE **BUCCEES TO ELLIS CREEK** STAFFORD, TX

EER: EAGLE EYE 12/21/2017

BY: DAVID ZAVALA

ORIZONTAL:

1"= N/A 1"= N/A

SCALE

ERTICAL:

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TO MP

LE: ECC-BUCCEES

6A

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— CAUTION TAG FIBER OPTIC CABLE BLACK IN COLOR

- CABLE LASHING WIRE CLAMP

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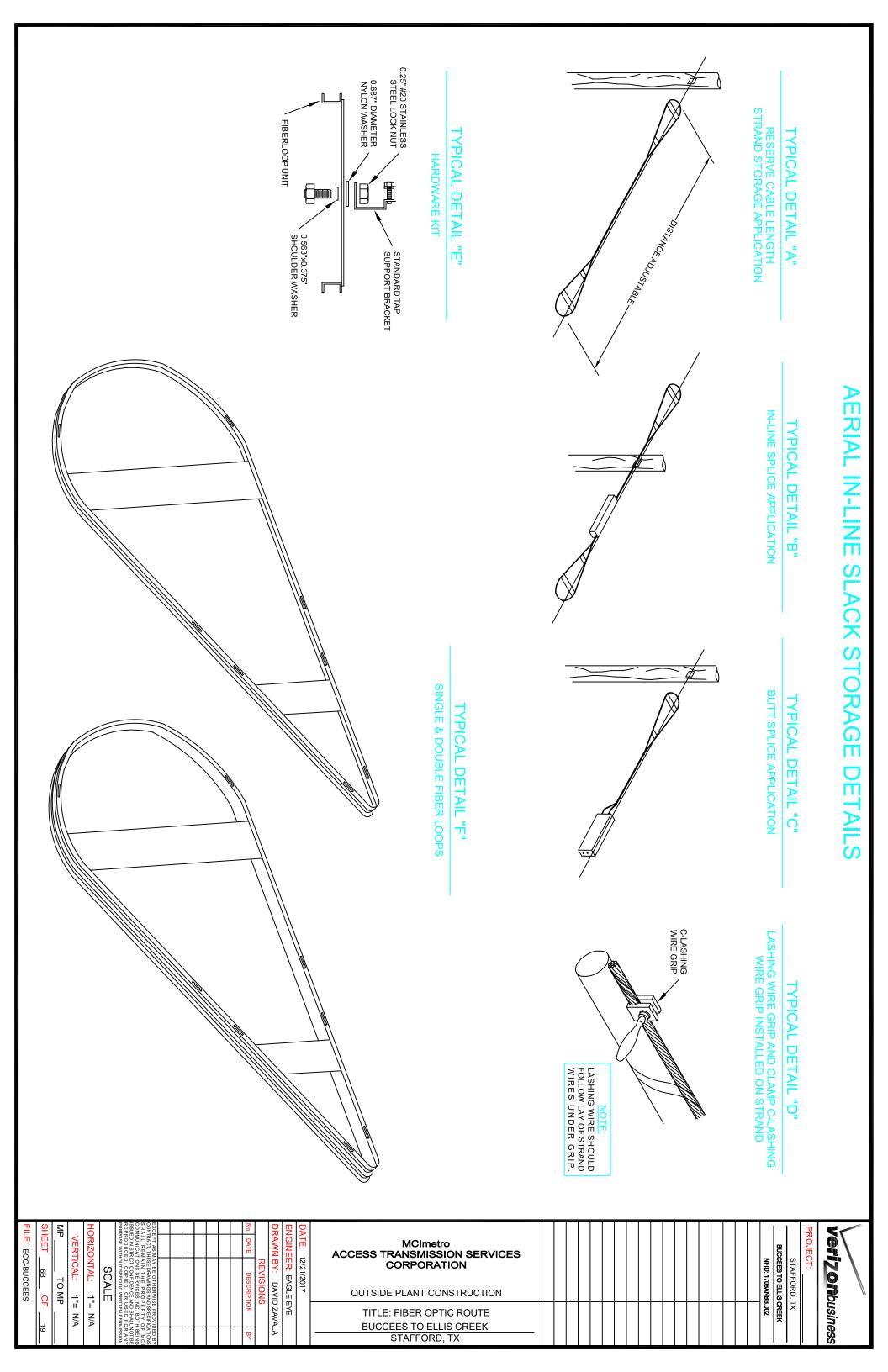
BUCCEES TO ELLIS CREEK

STAFFORD, TX

NFID: 1708ANBB.002

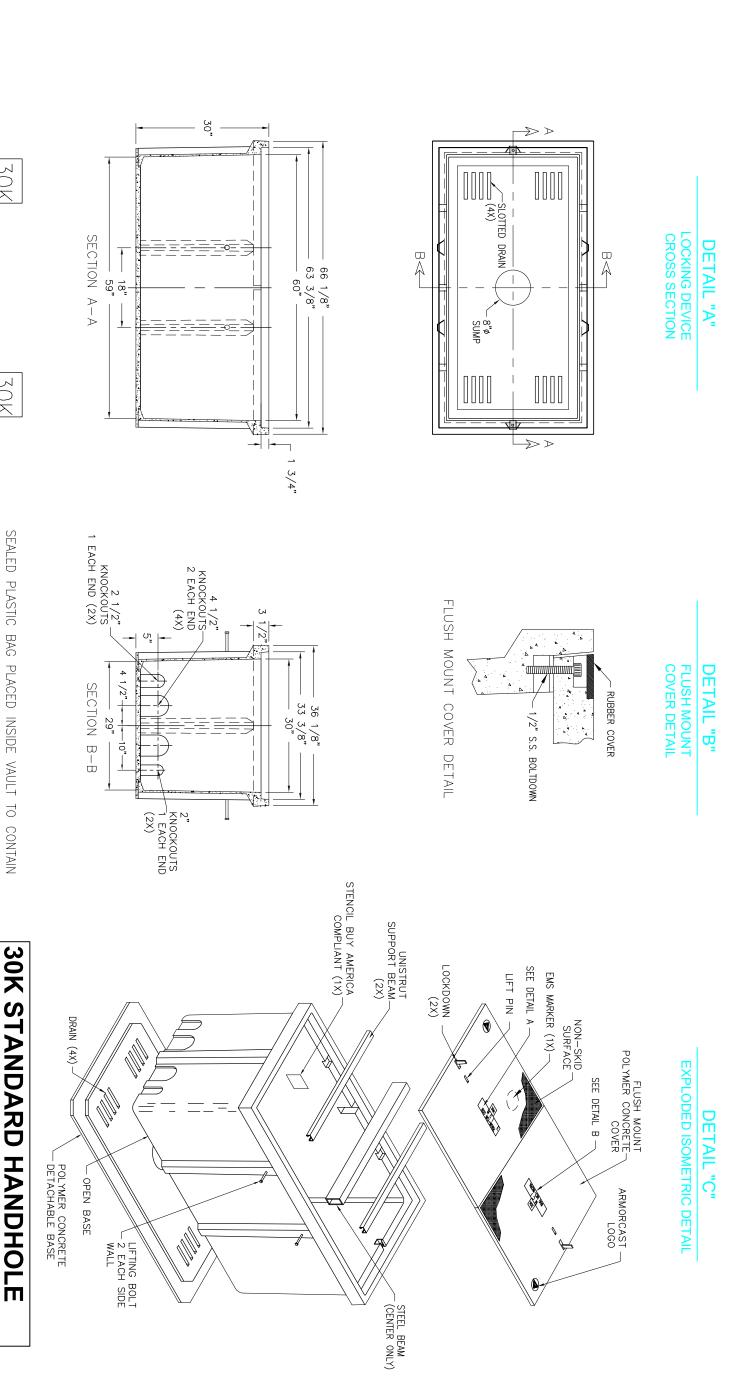
POLE

GROUND LEVEL



30" x 60" x 30" 30K STANDARD HANDHOLE DETAILS

@rīzonbusiness



DETAIL A

DETAIL B

MCI

I-WORK

SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

JOHNNY LOCK KEY S.S. JOHNNY BOLTS W/FLAT WASHER. SHRINK WRAP COVERS TO FRAME FOR PACKAGING.

DESIGNED LOAD: 30,000 LBS

ADDITIONAL REQUIREMENTS:

MINIMUM FAILURE LOAD: 45,000 LBS

RIZONTAL: /ERTICAL:

ECC-BUCCEES

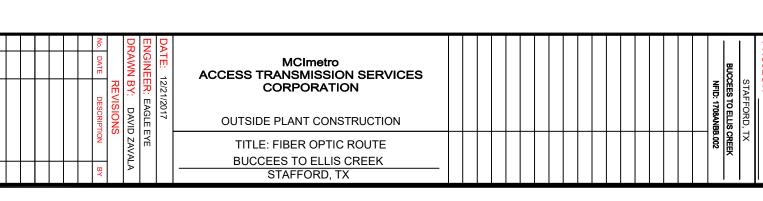
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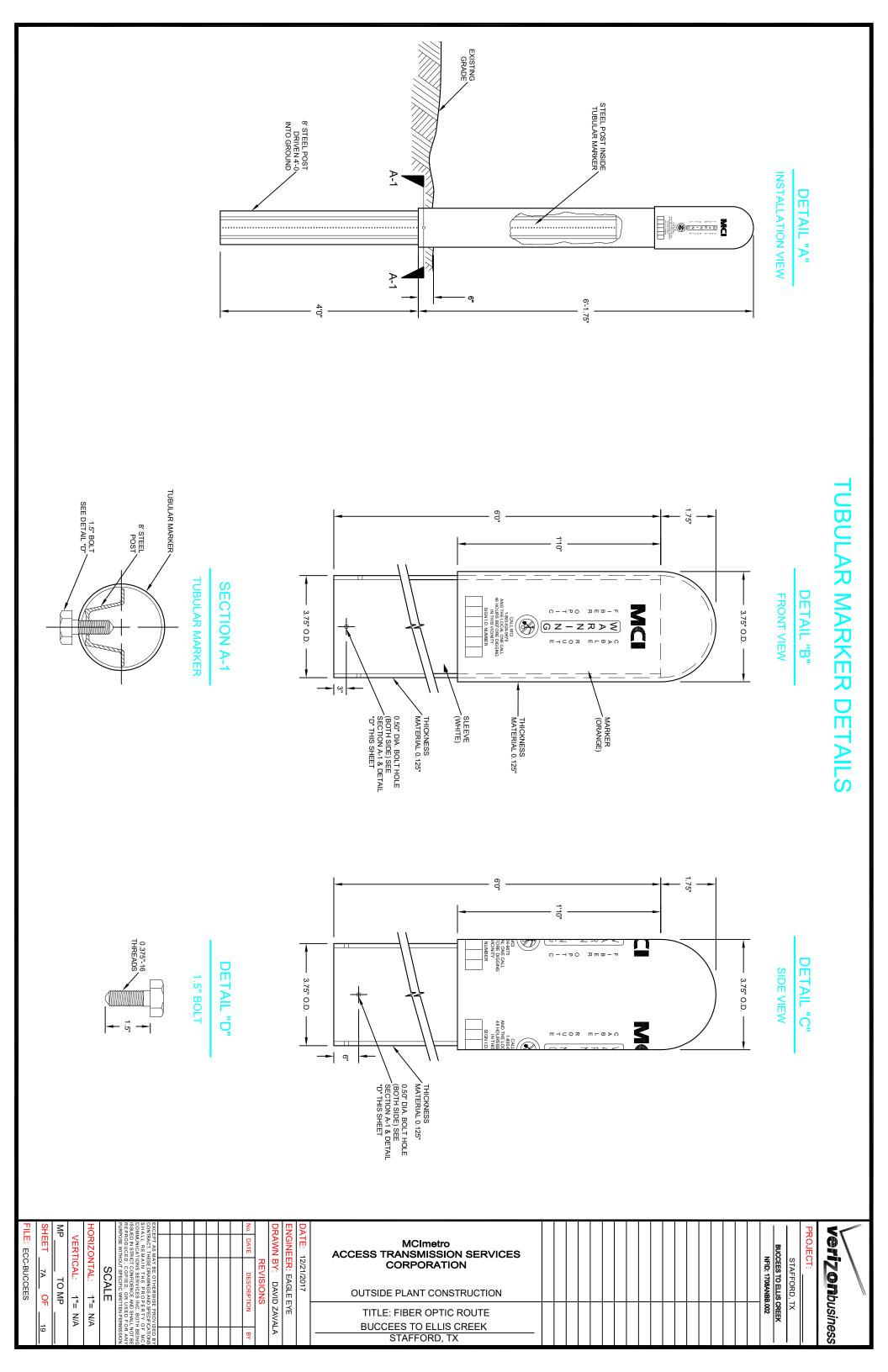
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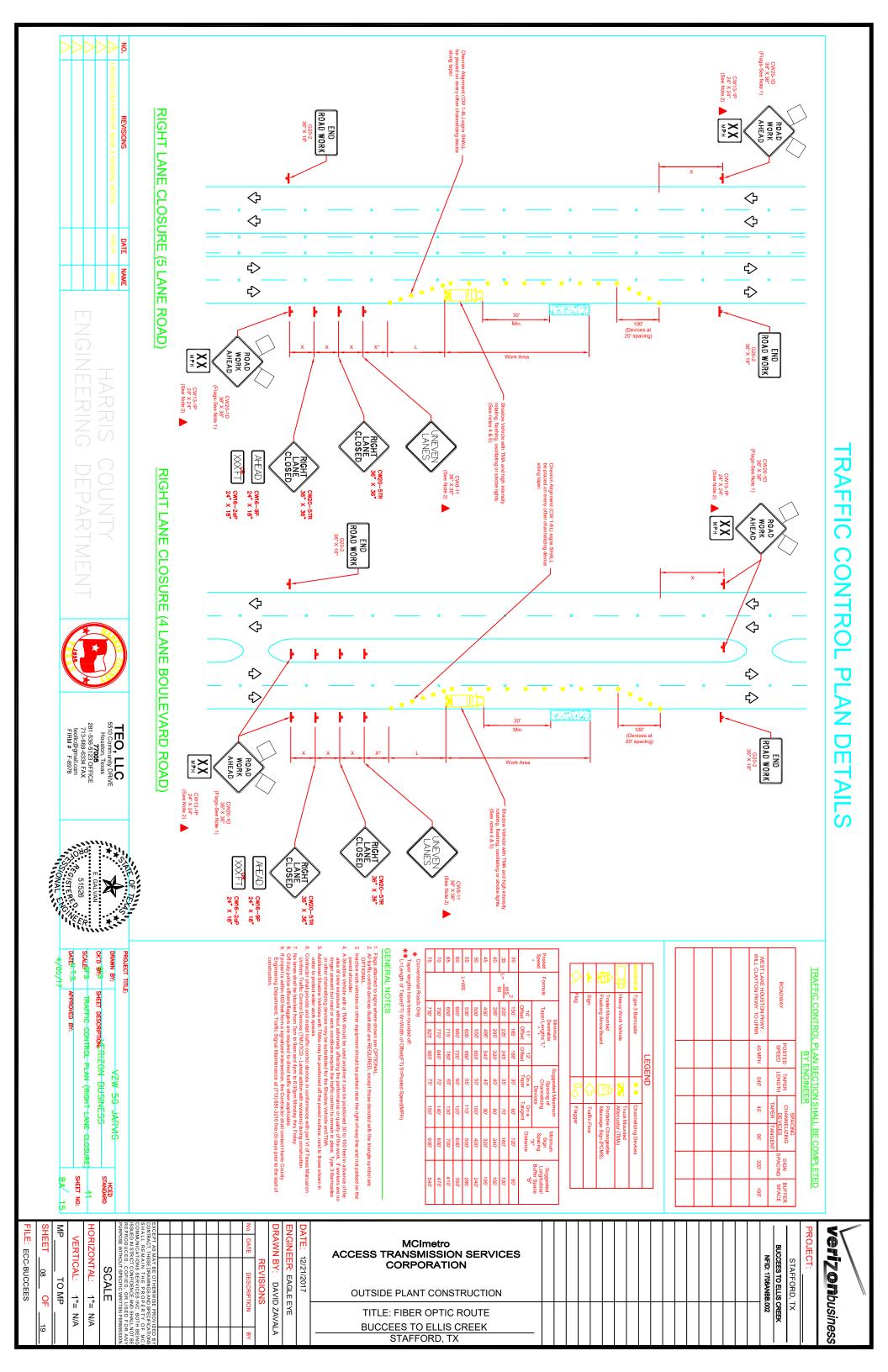
TO MP

1"= N/A 1"= N/A 30"x60"x30" POLYMER CONCRETE FLUSH MOUNT ASSEMBLY MEETS SCTE/ANSI 77-TIER 22 LOADING CRITERIA

MCI-WORK







ROAD CROSSING DETAILS

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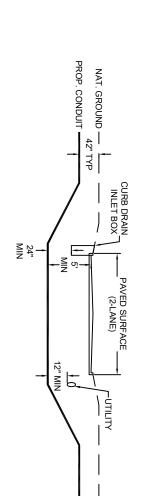
BUCCEES TO ELLIS CREEK NFID: 1708ANBB.002

TWO LANE - ASPHALT ROAD - NO CURB TYPICAL DETAIL "A"

SHOULDER PAVED SURFACE (2-LANE)

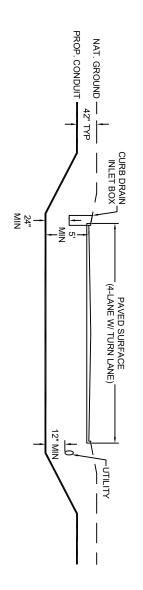
TYPICAL DETAIL "B"

TWO LANE - CURBED ROAD



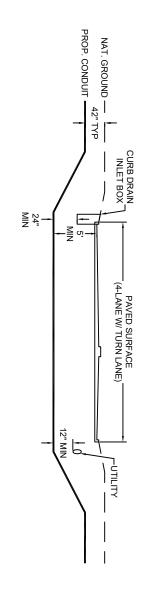
TYPICAL DETAIL "C"

FOUR LANE (W/ TURN LANE) - CURBED ROAD - NO MEDIAN



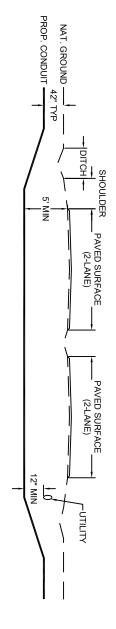
TYPICAL DETAIL "D

FOUR LANE (W/ TURN LANE) - CURBED ROAD - WITH MEDIAN



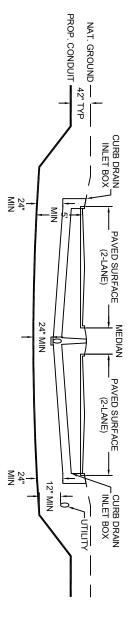
TYPICAL DETAIL "E"

4 LANE - SPLIT ASPHALT ROAD - NO CURB



TYPICAL DETAIL "F"

4 LANE - SPLIT CURBED ROAD



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ORIZONTAL: 1"= N/A ÆRTICAL:

1"= N/A

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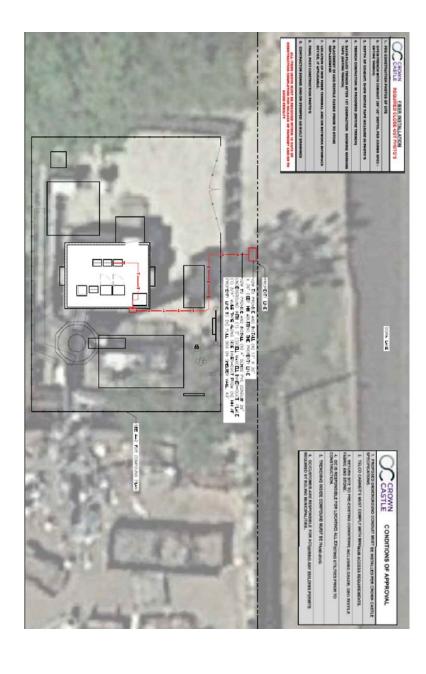
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DATE		RAWN	IGINE	TE:	MCImetro ACCESS TRANSMISSION SERVICES
DES	REVIS	BY:	ER: EA	12/21/2017	CORPORATION
DESCRIPTION	EVISIONS	DAVID	EAGLE)17	OUTSIDE PLANT CONSTRUCTION
ON	37	D ZAVA	EYE		TITLE: FIBER OPTIC ROUTE

STAFFORD, TX

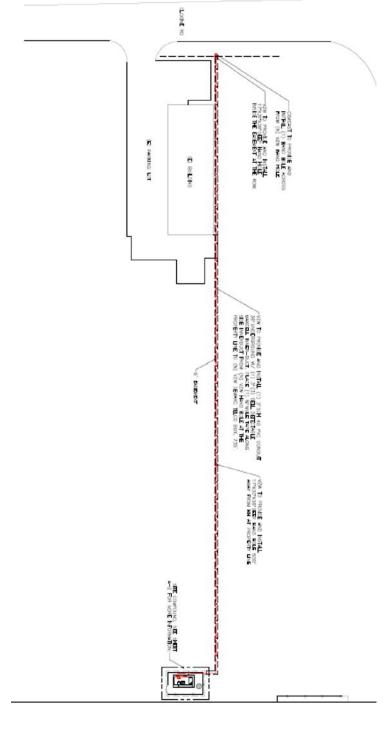
CELL SITES DETAILS

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FLORANCE CELL TOWER



BUCCEES CELL TOWER



RAWN BY: DAVID ZAVALA

ATE: 12/21/2017

GINEER: EAGLE EYE

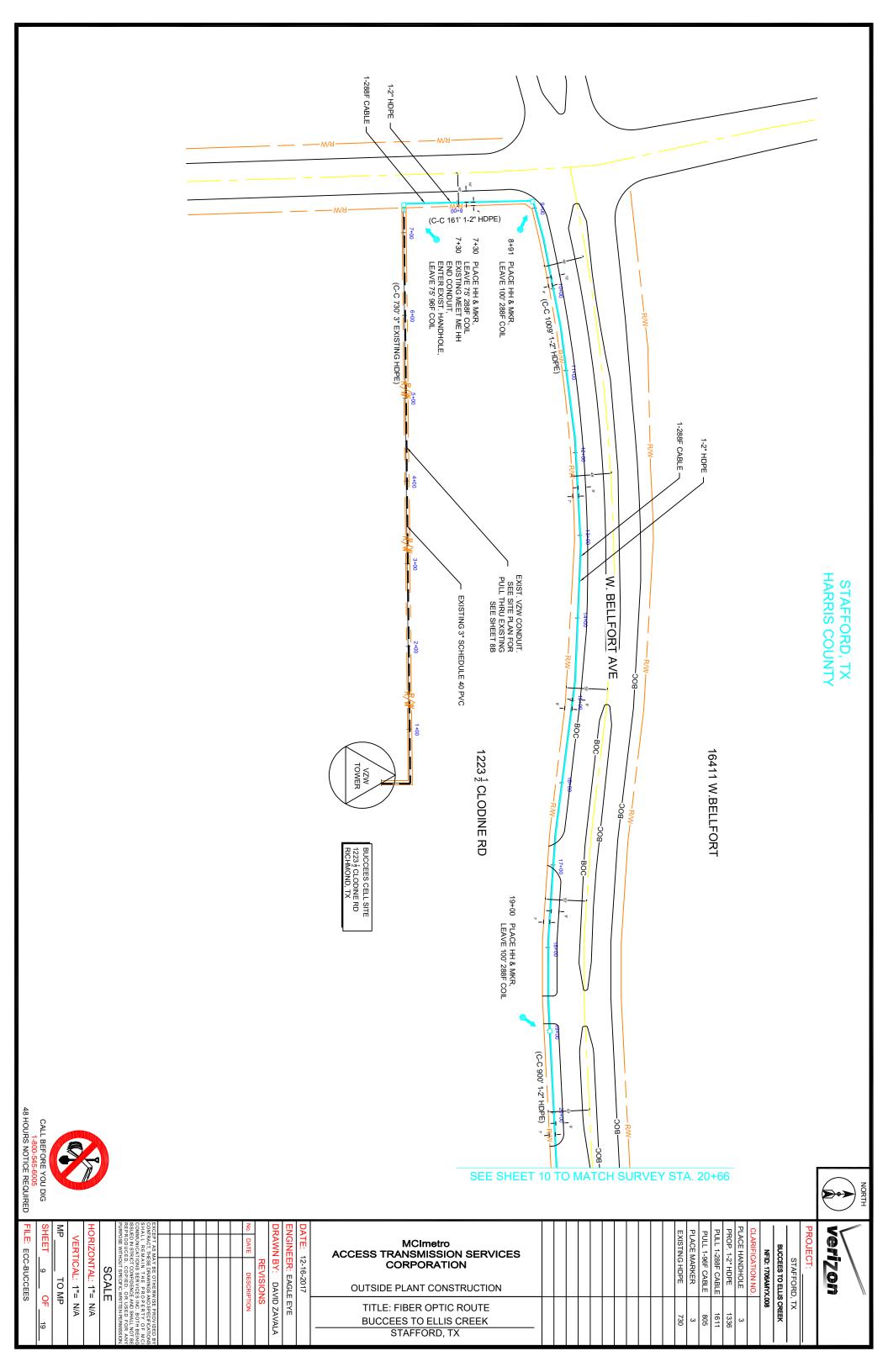
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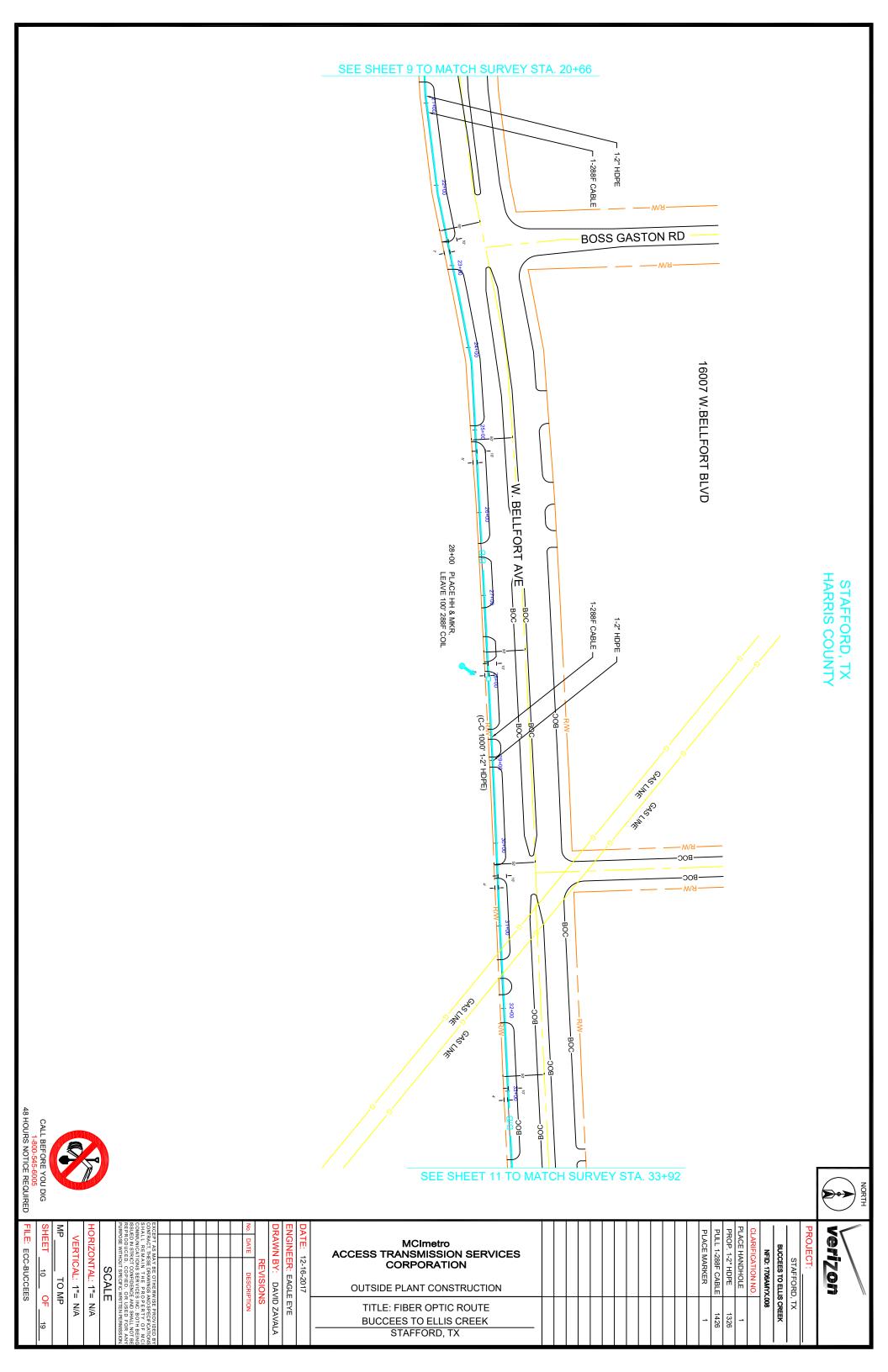
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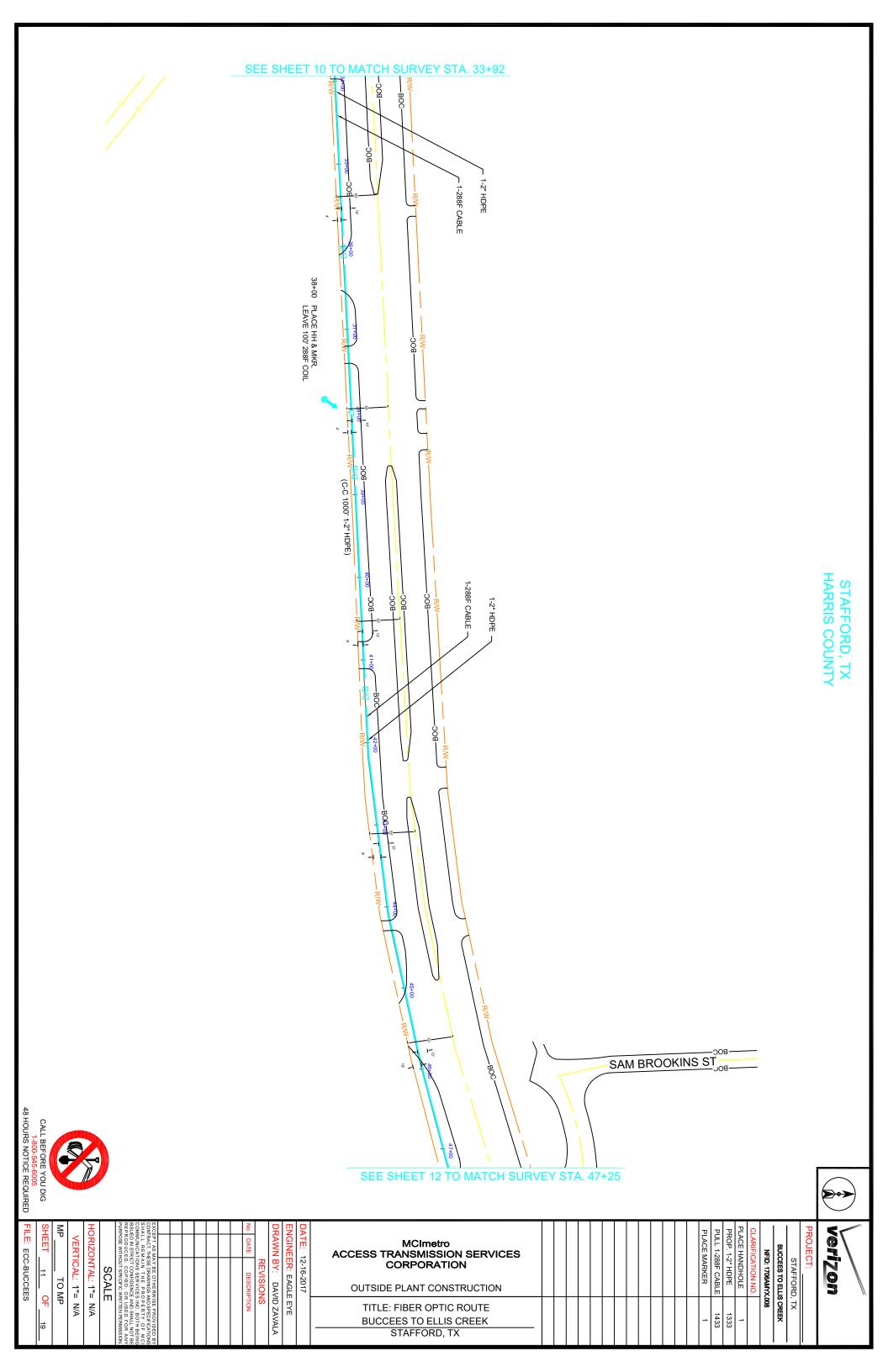
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VERTICAL: 1"= N/A

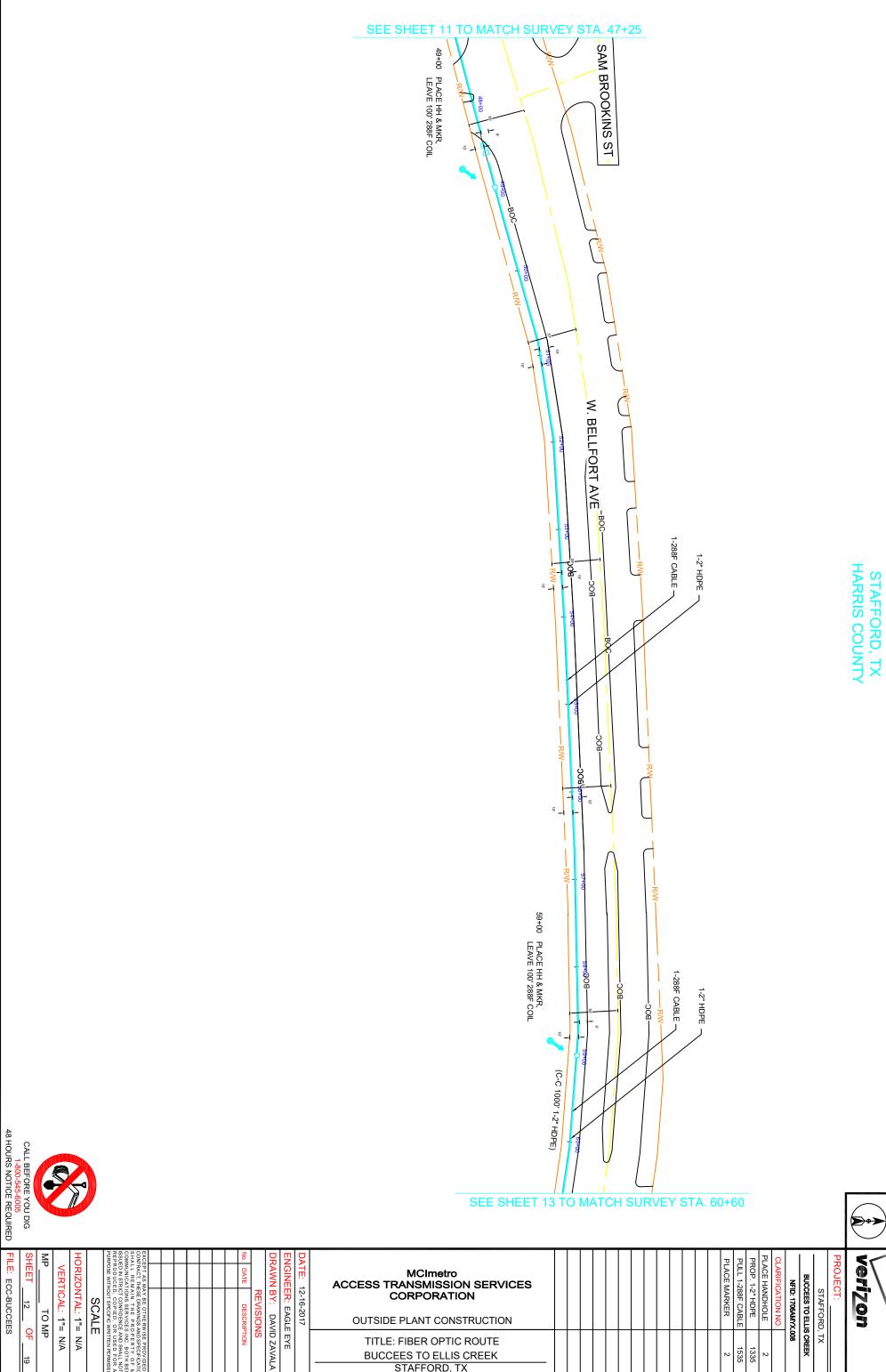
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MCImetro ACCESS TRANSMISSION SERVICES CORPORATION OUTSIDE PLANT CONSTRUCTION											NFID: 1708ANI	BUCCEES TO ELL	STAFFORD	
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TITLE: FIBER OPTIC ROUTE											~	SEE		
BUCCEES TO ELLIS CREEK														
STAFFORD, TX														l









OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE

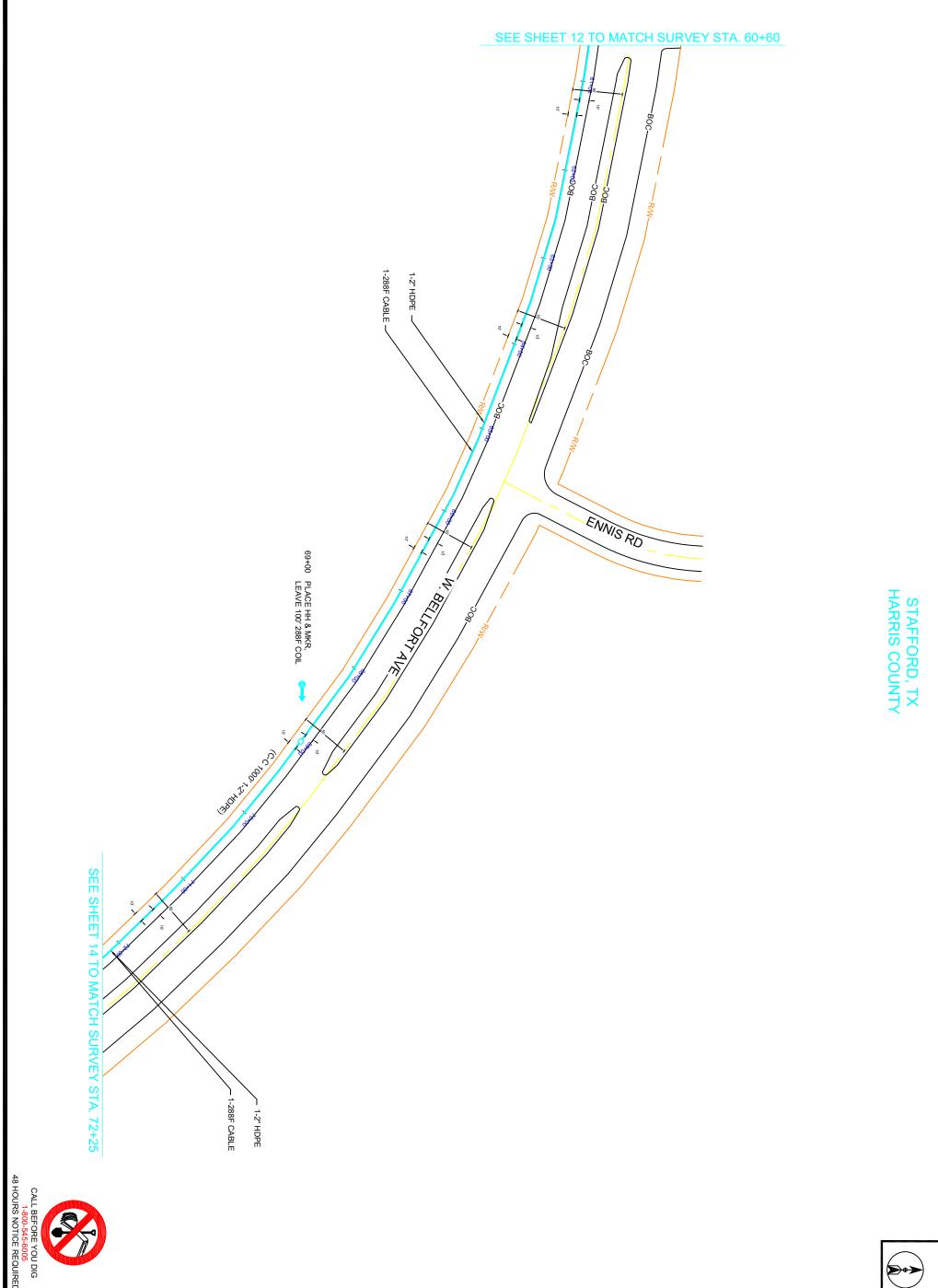
BUCCEES TO ELLIS CREEK STAFFORD, TX

TO MP

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1335 1535



48 HOURS NOTICE REQUIRED CALL BEFORE YOU DIG 1-800-545-6005

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VERTICAL: 1"= N/A

FILE: ECC-BUCCEES

13 OF TO MP SCALE

MCImetro ACCESS TRANSMISSION SERVICES CORPORATION

DATE: 12-16-2017

RAWN BY: DAVID ZAVALA

GINEER: EAGLE EYE

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
BUCCEES TO ELLIS CREEK
STAFFORD, TX

Verizon

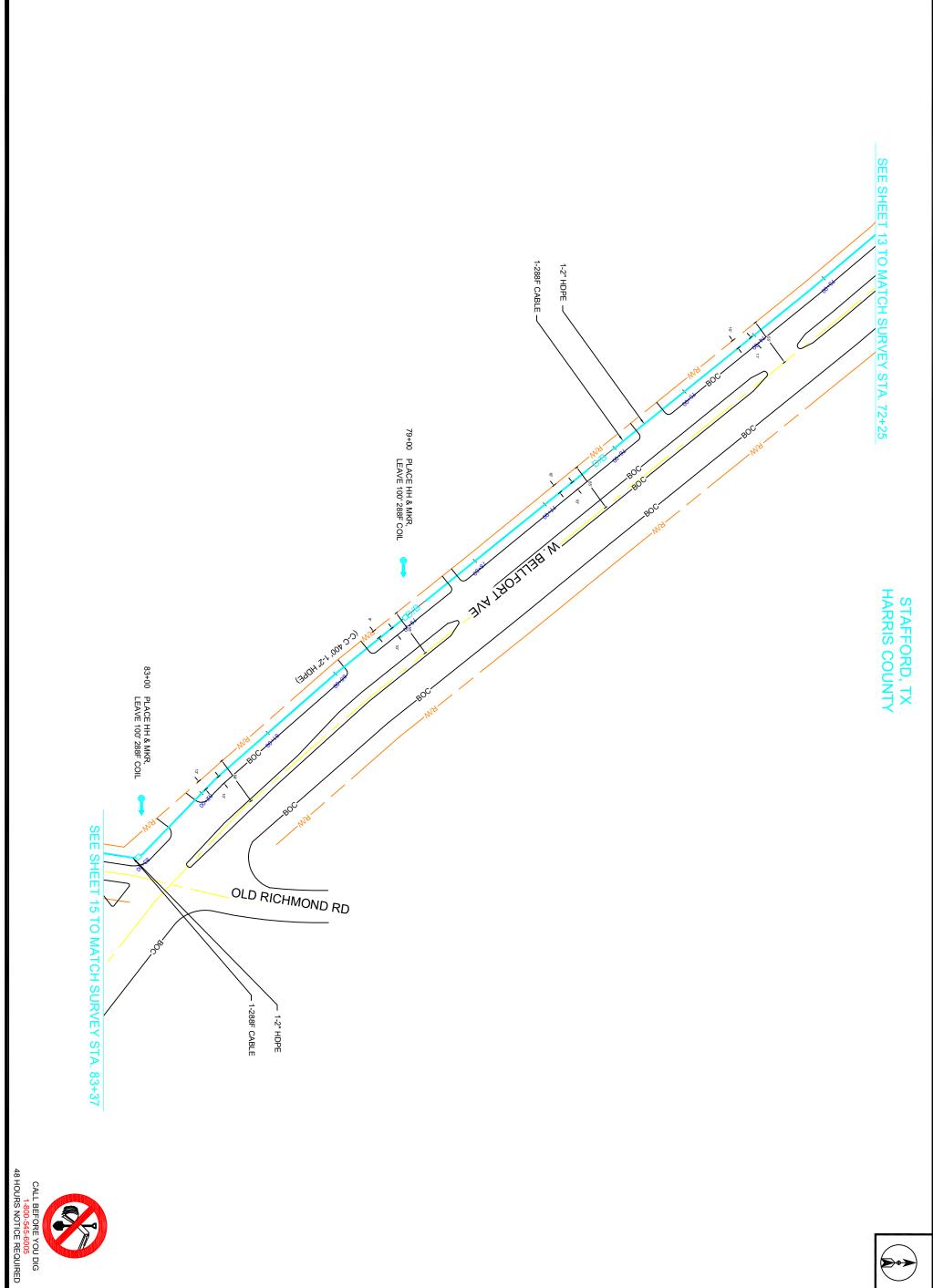
STAFFORD, TX

BUCCEES TO ELLIS CREEK

NFID: 1706AMYX.008

PLACE HANDHOLE
PROP. 1-2" HDPE
PULL 1-288F CABLE
PLACE MARKER

1465 1565





VERTICAL: 1"= N/A

SCALE

FILE: ECC-BUCCEES

14 OF _ TO MP

MCImetro ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION

DATE: 12-16-2017

RAWN BY: DAVID ZAVALA

GINEER: EAGLE EYE

COTA CITATION
OUTSIDE PLANT CONSTRUCTION
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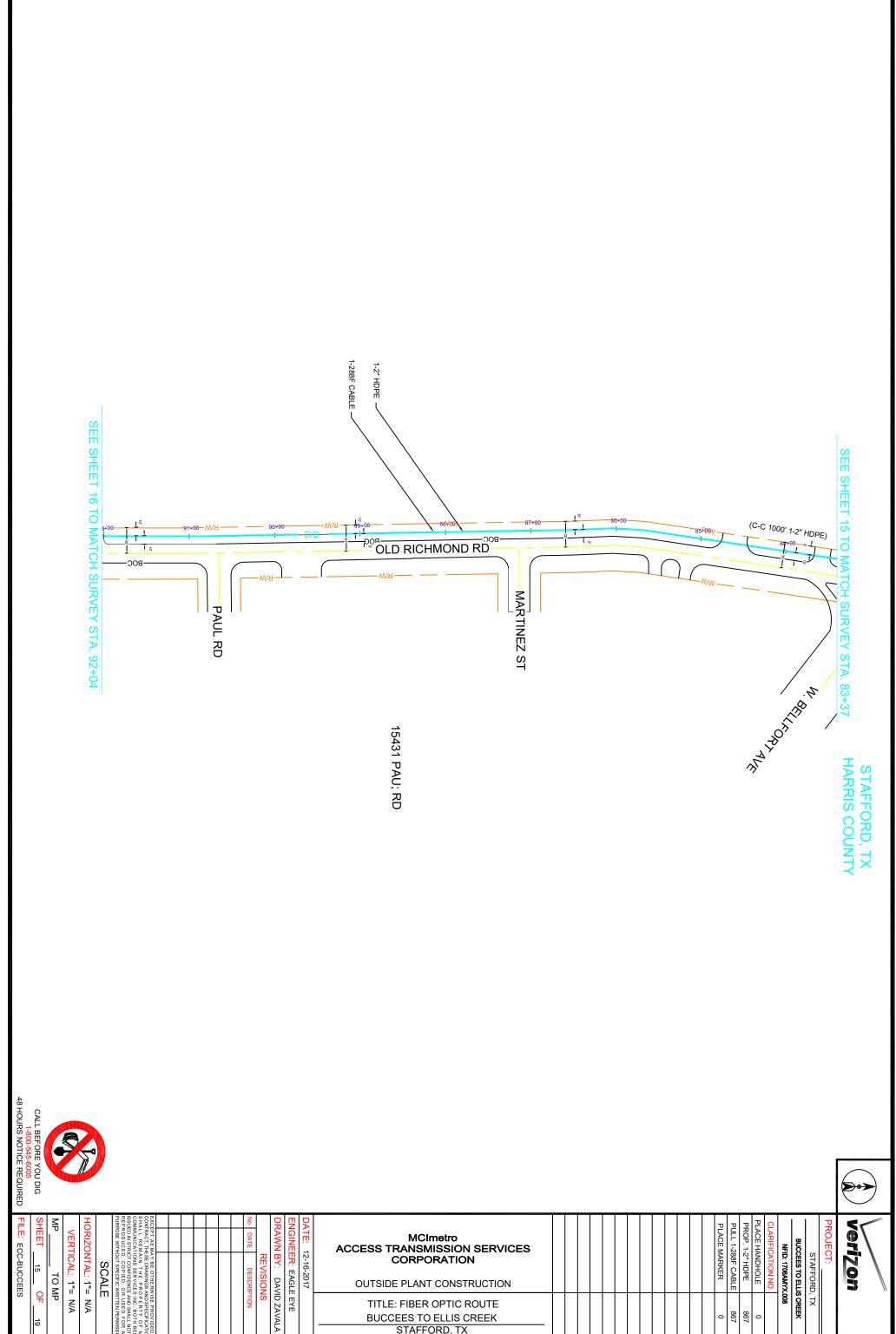
TITLE: FIBER OPTIC ROUTE
BUCCEES TO ELLIS CREEK
STAFFORD, TX

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NFID: 1706AMYX.008
BUCCEES TO ELLIS CREEK
STAFFORD, TX
PROJECT:

PLACE HANDHOLE
PROP. 1-2" HDPE
PULL 1-288F CABLE
PLACE MARKER

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MCImetro ACCESS TRANSMISSION SER CORPORATION OUTSIDE PLANT CONSTRUCT

12-16-2017 ER: EAGLE EYE

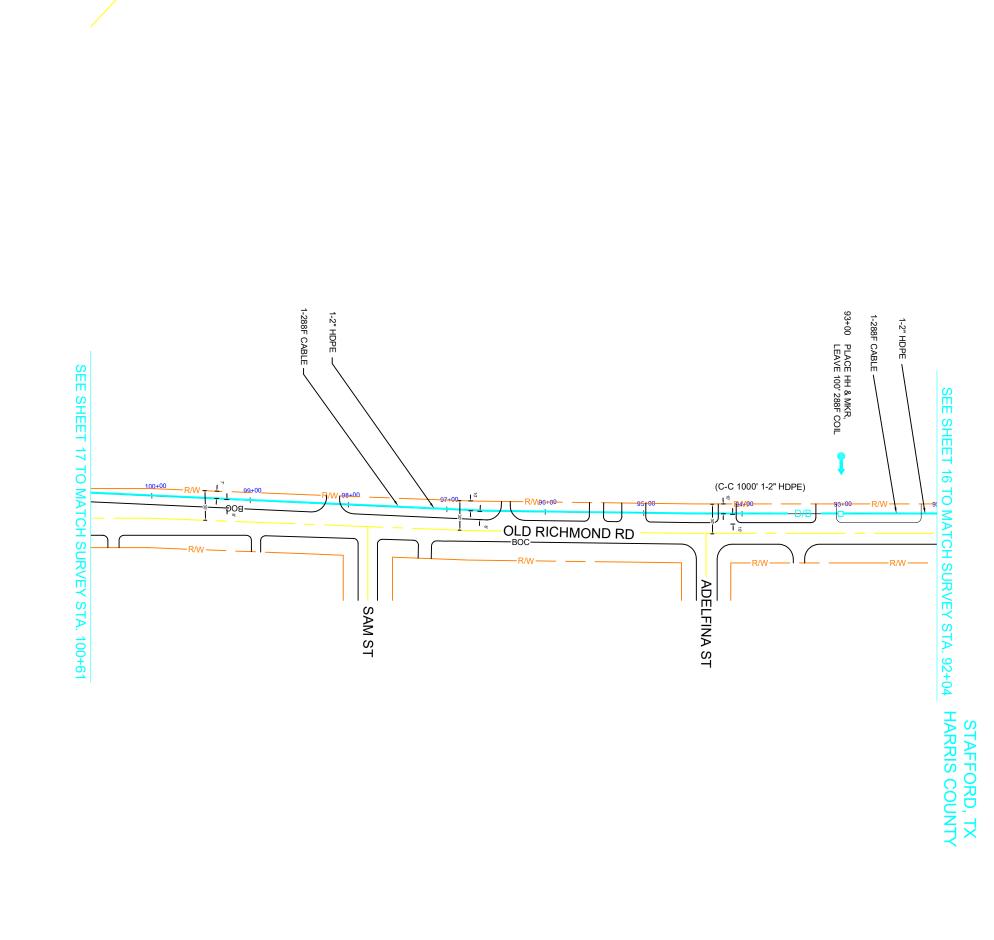
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MCImetro ESS TRANSMISSION SERVICES CORPORATION DUTSIDE PLANT CONSTRUCTION								LACE MARKER	ULL 1-288F CABLE	ROP. 1-2" HDPE	ACE HANDHOLE	LARIFICATION NO.	NFID: 1706AMYX	BUCCEES TO ELLI	STAFFORD	
TITLE: FIBER OPTIC ROUTE BUCCEES TO ELLIS CREEK STAFFORD, TX								0	867	798	0		.008	SCREEK	, TX	

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HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

SCALE

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TO MP

48 HOURS NOTICE REQUIRED

FILE: ECC-BUCCEES

MCImetro ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE BUCCEES TO ELLIS CREEK STAFFORD, TX

NGINEER: EAGLE EYE
PRAWN BY: DAVID ZAVALA

12-16-2017

1	PLACE MARKER
957	PULL 1-288F CABLE
857	PROP. 1-2" HDPE
1	PLACE HANDHOLE
	CLARIFICATION NO.
.008	NFID: 1706AMYX.008
S CREEK	BUCCEES TO ELLIS CREEK
, TX	STAFFORD, TX

PROJECT:	verizon

