



**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

- ☒ **Right of Way Permit**
☐ **Commercial Driveway Permit**

Permit No: 2018-18435

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

(1) COMPLETE APPLICATION FORM:

- | | |
|-------------------------------------|--|
| ☒ | a. Name of road, street, and/or drainage ditch affected. |
| ☒ | b. Vicinity map showing course of directions |
| ☒ | c. Plans and specifications |

(2) BOND:

- | | | | |
|-------------------------------------|--|---|---------------------|
| ☐ | County Attorney, approval when applicable. | | |
| ☒ | Perpetual bond currently posted. | Bond No: [REDACTED] | Amount: \$50,000.00 |
| ☐ | Performance bond submitted. | Bond No: _____ | Amount: _____ |
| ☐ | Cashier's Check | Check No: _____ | Amount: _____ |

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

We have reviewed this project and agree it meets minimum requirements.

Rick J. Staigle, PE, PTOE

Permit Administrator

4/2/2018

Date

MCImetro
ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION
FIBER OPTIC CABLE ROUTE

MCI ONE-FIBER
BUCCCESS FLORENCE
STAFFORD, TEXAS

SITE NFID: 1706ANBB.011

PROJECT STATUS: CONSTRUCTION





STAFFORD, TEXAS
BUCESS FLORENCE
NFID: 1706ANBB.011

McMetro ACCESS TRANSMISSION SERVICES CORPORATION	OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE	
BUCCESS FLORENCE	
STAFFORD, TEXAS	

ENGINEER:

REVISIONS

[illegible]

SCALE

VERTICAL: 1"=30'

SHEET 02 OF 10

FILE: FLORENCE 1706ANBB 011

HORIZONTAL: 1"=30'

MP _____ TO MP _____

FILE: FLORENCE 1706ANB

CONTACT SHEET
HOUSTON, TX
FORT BEND COUNTY



PROJECT: STAFFORD, TEXAS

SUCCESS FLORENCE

NFD: 1706ANBB 011

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MCI

PROJECT ENGINEER:

PROJECT MANAGER:

PROJECT COORDINATOR:

OUTSIDE PLANT CONSTRUCTION:

CONSTRUCTION CONTRACTOR:

CONSTRUCTION MANAGER:

PROJECT COORDINATOR:

AGENT:

MANAGER:

COORDINATOR:

MANAGER:

PROGRAM MANAGER:

LIGHTWAVE ENGINEER:

CIVIL ENGINEER:

TERMINAL CONST. REP.:

SPLICING MANAGER:

TSO MANAGER:

ENGINEERING CONTRACTOR

OFFICE:

PRESIDENT:

OFFICE:

CELL:

E-MAIL:

PROJECT MANAGER:

OFFICE:

CELL:

E-MAIL:

NAME OF FIRM:

PROJECT COORDINATOR:

PROJECT SUPERINTENDENT:

RAILROADS

UNION PACIFIC RAILROAD

DANIEL PETERS

402-544-8620

UTILITIES

MCI UTILITY LOCATE

1-800-524-9675

TEXAS ONE CALL SYSTEM (UTILITY LOCATES)

1-800-545-6005

NON MEMBERS:

CITY GOVERNMENT

CITY OF HOUSTON

- SANITARY SEWER

- TRAFFIC

- ROAD & BRIDGE

- STORM QUALITY

- WATER

MIKE NOWROOZI

832-394-9123

NAEEM HUSAIN

832-394-9126

RICK KOVACICH

832-394-9132

ZIA MOHAMMADI

832-394-9134

RICARDO GOMEZ

832-394-9130

BILL CROUCH

COUNTY GOVERNMENT

HARRIS COUNTY

STATE GOVERNMENT

TxDOT

SAMIR GOEL

713-802-5321

FEDERAL GOVERNMENT

N/A

OTHER

N/A

McMetro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
BUCCESS FLORENCE
TITLE: FIBER OPTIC ROUTE
STAFFORD, TEXAS

DATE: 12/17/17

ENGINEER:

DRAWN BY: JUAN FACCHINI

REVISIONS

NO DATE DESCRIPTION BY

0 12/17 CONSTRUCTION JF

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SCALE

HORIZONTAL: 1"=30'

VERTICAL: 1"=30'

MP TO MP

SHEET 03 OF 10

FILE: FLORENCE_1706ANBB 011.dwg

GENERAL NOTES / CLARIFICATION NOTES

GENERAL NOTES

1. VERIZON BUSINESS COMPRISES THE FOLLOWING OPERATING ENTITIES:
 - ICI COMMUNICATIONS SERVICES, INC.
 - ICI METRO ACCESS TRANSMISSION SERVICES CORPORATION
 - ICI METRO ACCESS TRANSMISSION SERVICES OF VIRGINIA, INC.
 - ICI METRO ACCESS TRANSMISSION SERVICES OF MASSACHUSETTS, INC.
 - METROPOLITAN FIBER SYSTEMS OF NEW YORK, INC.
2. 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.
3. 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.
5. 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 DAMAGED.
6. 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.
7. 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.
8. 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.
10. ALL 4" ID CONDUIT WILL BE SCHEDULE 40 (EG. PVC OR GSP/SP), OR AS SPECIFIED.
11. UNDERGROUND CONDUIT WILL BE PLACED AT 48" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

CLARIFICATION NOTES

- | 1. | 2. | 3. | 4. | 5. | 6. | 7. |
|----|---------|----------|-------------------------------------|--|---|-----------------------|
| 1. | STATION | LOCATION | CLARIFICATION NO. AND MINIMUM COVER | QUANTITY LINEAR FOOTAGE/SQUARE FOOTAGE, SIZE OF MANHOLE/HANDHOLE SIZE OF PULL/SPUR BOX, DIMENSION OF WALL, HEIGHT/CLASS/TYPE OF POLE | TYPICAL DRAWING NO. AND TYPICAL DETAIL DRAWING NUMBER | PLANT ACCOUNTING CODE |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6. | | | | | | |
| 7. | | | | | | |
1. SPECIFIED CONDUIT, HANDHOLE/MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL, BRIDGE NO. AND RAILROAD STATION, MATERIAL, POLE NO.

ADDENDUM NOTES: HARRIS COUNTY - 48 HOUR NOTICE

1. CONTRACTOR SHALL NOTIFY HARRIS COUNTY (48 HOURS) PRIOR TO COMMENCING CONSTRUCTION AND/OR BACKFILLING ANY UTILITIES.
2. CONTRACTOR(S) ARE TO CONTACT HARRIS COUNTY "PUBLIC REVIEW DEPARTMENT" BY PHONE OR EMAIL.
 - 713-274-3931
 - public.review@chpd.org

CLARIFICATION NOTES (CONTINUED)

- | | | |
|-----|-----|---|
| 100 | 110 | JACK AND DRY BORE CONDUIT(S) |
| 200 | 210 | PLACE CONDUIT |
| | 212 | PLACE HIGH DENSITY POLYETHYLENE (HDPE) |
| | 213 | ROCK ADDER |
| | 214 | SLURRY BACKFILL ADDER |
| | 215 | EXPOSE CONDUIT |
| | 216 | EXPOSE CONDUIT AND RELOCATE |
| | 217 | EXPOSE CONDUIT AND REPLACESUBSTITUTE |
| | 218 | EXPOSE AND REMOVE CONDUIT |
| | 219 | EXPOSE AND REMOVE CONDUIT (ABANDONED) |
| | 220 | CONCRETE ENCASE |
| | 221 | REMOVE CONCRETE ENCASEMENT |
| | 222 | REMOVE CONCRETE CAP |
| | 240 | PLACE HANDHOLE |
| | 244 | REMOVE EXISTING HANDHOLE |
| | 245 | RELOCATE HANDHOLE |
| | 246 | REPLACE/SUBSTITUTE HANDHOLE |
| | 247 | EXCAVATE SPUR PIT |
| | 248 | BACKFILL HANDHOLE |
| | 250 | REMOVE EXISTING MANHOLE |
| | 252 | RELOCATE PRECAST MANHOLE |
| | 256 | REPLACE/SUBSTITUTE PRECAST MANHOLE |
| | 180 | CONSTRUCT WALL |
| | 270 | REMOVE AND RESTORE ASPHALT |
| | 280 | REMOVE AND RESTORE CONCRETE |
| | 281 | REMOVE AND RESTORE SIDEWALK |
| | 282 | REMOVE AND RESTORE CURBING |
| 300 | 310 | ATTACH CONDUIT TO WALL OR STRUCTURE |
| | 315 | DETACH CONDUIT FROM WALL OR STRUCTURE |
| | 320 | CORE BORE |
| | 330 | ATTACH PULL/SPUR BOX TO WALL OR STRUCTURE |
| 400 | 410 | PULL CABLE |
| | 411 | PULL THROUGH DUCT (INNERDUCT) |
| | 413 | REMOVE CABLE FROM DUCT |
| | 420 | REPOSITION ACTIVE CABLE SLACK |
| 500 | 510 | DIRECT BURY CABLE |
| | 515 | EXPOSE DIRECT BURIED CABLE |
| | 516 | EXPOSE DIRECT BURIED CABLE AND RELOCATE |
| | 517 | REMOVE AND DISPOSE OF CABLE |
| | 520 | PLACE AERIAL CABLE |
| | 525 | RELOCATE AERIAL CABLE |
| | 518 | DELASH AERIAL CABLE |
| | 527 | RELASH AERIAL CABLE |
| | 528 | REMOVE AERIAL CABLE |
| | 530 | PLACE POLE/PUSH BRACE |
| | 535 | REMOVE POLE/PUSH BRACE |
| 600 | 610 | JETTING CONDUIT |
| | 620 | EMBANKMENT FLOW |
| | 630 | DIRECTIONAL BORE |
| 700 | 710 | PLACE BURIED CABLE MARKERS AND SIGNSMWCOM |
| | | WATER CROSSING SIGNS |
| | 711 | PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING HANDHOLE/MANHOLE |
| | 713 | HANDHOLE/MANHOLE |
| | 712 | REMOVE BURIED CABLE MARKER POST/HARDWARE |
| | 714 | REMOVE CONCRETE BURIED CABLE MARKER POST |



PROJECT:
STAFFORD, TEXAS
BUCCESS FLORENCE
NFD 1706ANBB 011

McIntire
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
BUCCESS FLORENCE
STAFFORD, TEXAS

DATE: 12/17/17
ENGINEER:
DRAWN BY: JUAN FACINI

REVISIONS
BY
0 12/17 CONSTRUCTION JF

SCALE
HORIZONTAL: 1"=30'
VERTICAL: 1"=30'

MP TO MP
SHEET 04 OF 10

FILE: FLORENCE_1706ANBB 011.dwg

MCI OUTSIDE PLANT CONSTRUCTION GENERAL REQUIREMENTS

- 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.

[illegible]

CLARIFICATION SUMMARY SHEET PROJECT SPECIFIC



PROJECT:	STAFFORD, TEXAS
	SUCCESS FLORENCE
	NFID: 1706ANBB.011

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McMetro ACCESS TRANSMISSION SERVICES CORPORATION	OUTSIDE PLANT CONSTRUCTION	TITLE: FIBER OPTIC ROUTE BUCCESS FLORENCE STAFFORD, TEXAS
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DATE: 12/17/17
ENGINEER:
DRAWN BY: JUAN FACCINI

REVISIONS			
NO	DATE	DESCRIPTION	BY
0	12/17	CONSTRUCTION	JF
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EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION

HORIZONTAL:	1"=30'
VERTICAL:	1"=30'
MP	TO MP

PROJECT:

STAFFORD, TEXAS
BUCCESS FLORENCE
NFD: 1706ANB 011

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STA MKR #	(B)
STA MKR #	(C)
STA MKR #	(D)
STA MKR #	(E)
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STA MKR #	(Y)
STA MKR #	(Z)

McMetro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
BUCCESS FLORENCE
STAFFORD, TEXAS
TITLE: FIBER OPTIC ROUTE

DATE: 12/17/17

ENGINEER: JUAN FACCHINI

DRAWN BY: JUAN FACCHINI

REVISIONS

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EXCEPT AS NOTED, ALL DIMENSIONS AND LOCATIONS SHALL BE AS SHOWN ON THIS DRAWING. THE USER SHALL REMAIN THE PROPERTY OF MCI. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL NOT BE RESPONSIBLE FOR OBTAINING ANY OTHER PERMITS WITHOUT SPECIFIC WRITTEN PERMISSION FROM MCI.

SCALE

HORIZONTAL: 1"=30'

VERTICAL: 1"=30'

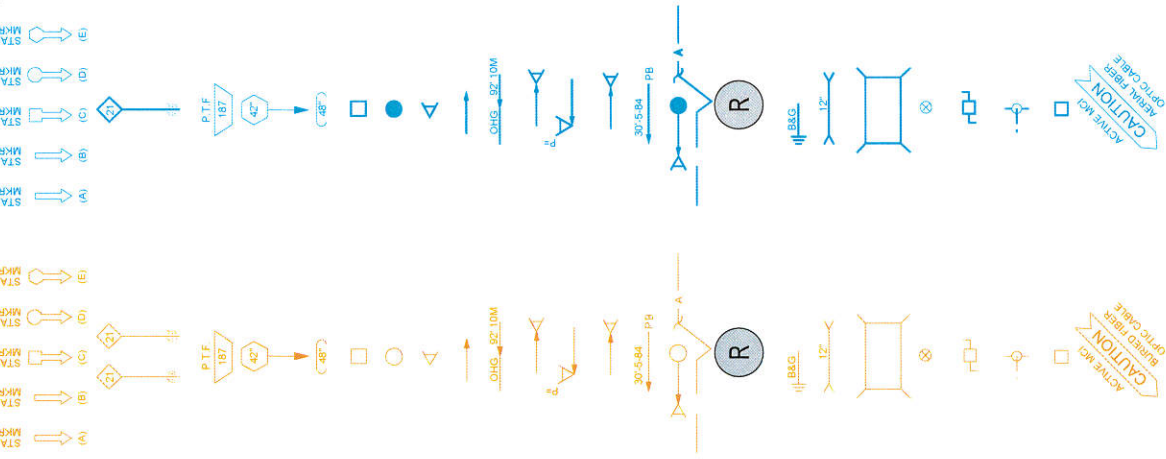
MP TO MP

SHEET 05 OF 10

FILE: FLORENCE_1706ANB 011.dwg

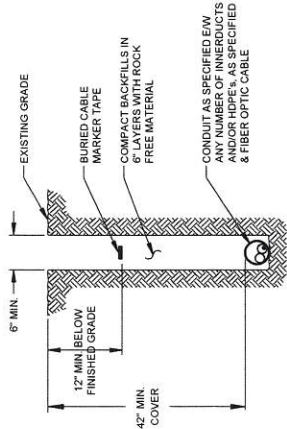
SYMBOLS KEY

EXISTING	PROPOSED	STEEL MARKER AND SIGN (A)
ALUMINUM "HUB" STYLE MARKER (B)	FLAT MARKER (C)	TUBULAR MARKER (D)
TUBULAR MARKER (E)	MILE POST MARKER	NOTE: DASHED = NOT FOUND IN FIELD
PERMIT TRACKING FORM IDENTIFIER	ROCK PROBE (DEPTH AS INDICATED)	UTILITY COVER DEPTH
HANDHOLE, MANHOLE OR PULLBOX	POLE	ANCHOR ONLY
GUY ONLY	OVERHEAD GUY (ARROW IN DIRECTION OF PULL)	ANCHOR AND GUY
SIDEWALK ANCHOR AND GUY	FOREIGN ANCHOR AND GUY	PUSH BRACE (EXISTING POLE)
ACCOUNT CODE CHANGE (BURIED TO AERIAL)	RISER ATTACHMENT LOCATION	BOND AND GROUND
CULVERT (SIZE AS INDICATED)	BRIDGE	WATER METER
GAS VALVE	FIRE HYDRANT	RAILROAD SIGNAL CONTROL BOX
CAUTION NOTE		



CONSTRUCTION DETAILS

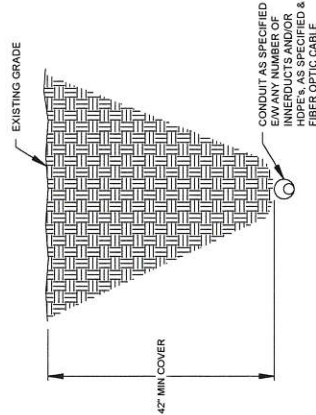
TYPICAL DETAIL "A"
TRENCH & PLACE CONDUIT



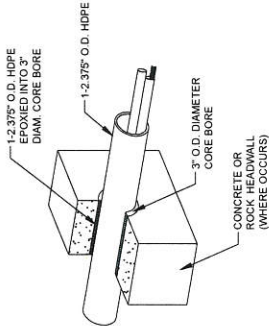
TYPICAL DETAIL "B"
CROSS SECTION OF PROPOSED HDPE



TYPICAL DETAIL "C"
DIRECTIONAL BORE CROSS SECTION
FOR CONDUIT



TYPICAL DETAIL "D"
3" CORE BORE



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

PROJECT:
STAFFORD, TEXAS
BUCCESS FLORENCE
NFID:1706ANBB.011

ACCESS TRANSMISSION SERVICES
McMetro
CORPORATION

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
BUCCESS FLORENCE
STAFFORD, TEXAS

DATE: 12/17/17
ENGINEER: JUAN FACCINI
DRAWN BY: JUAN FACCINI

REVISIONS	
NO.	DATE
1	12/17/17
2	12/17/17
3	12/17/17
4	12/17/17
5	12/17/17
6	12/17/17
7	12/17/17
8	12/17/17
9	12/17/17
10	12/17/17

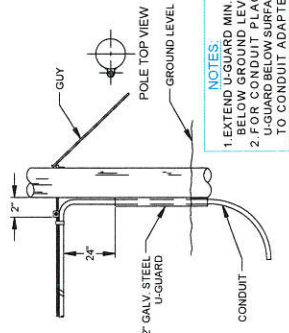
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SCALE
HORIZONTAL: 1"=30'
VERTICAL: 1"=30'
MP TO MP
SHEET 06 OF 10
FILE: FLORENCE_1706ANBB.011.dwg

GENERAL AERIAL CONSTRUCTION DETAILS

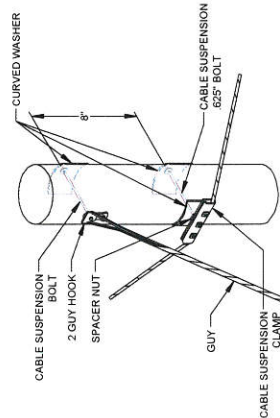
TYPICAL DETAIL "A"

POLE ARRANGEMENT FOR
AERIAL TO BURIED



TYPICAL DETAIL "D"

SUSPENSION STRAND - PULL TOWARD
POLE - LESS THAN 5 FEET



TYPICAL DETAIL "G"

JOINING 045 LASHING WIRE



FORMING WIRE OVER
STUD OF CLAMP

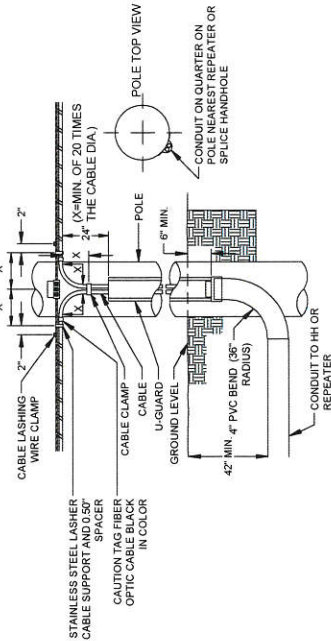
REMOVE ANY SLACK IN THE LASHING WIRE BY
MAINTAINING A PULL ON THE WIRE AND
TAPPING THE STRAND SHARPLY. THEN FORM
THE WIRE OVER THE STUD OF THE CLAMP.
NUT. CUT THE FREE END OF THE LASHING WIRE
OFF 0.75" BEYOND THE END OF THE CLAMP.

FORMING LASHING WIRE
AROUND STRAND

FORM THE LASHING WIRE AROUND THE
STRAND AND PLACE IT BELOW THE
STUD AND BETWEEN THE SECOND
WASHER AND STUD SHOULD.

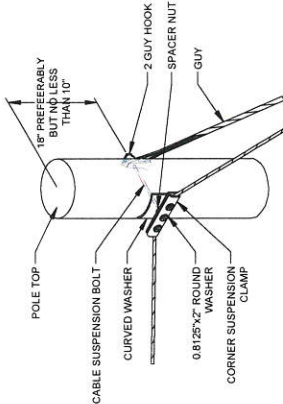
TYPICAL DETAIL "B"

POLE ARRANGEMENT FOR REPEATER
OR HANDHOLE LOCATION



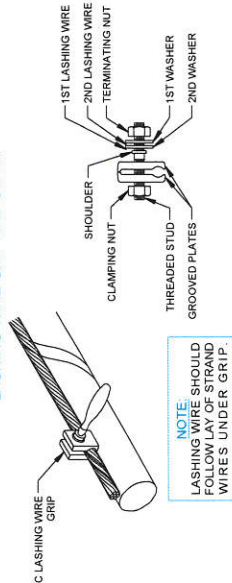
TYPICAL DETAIL "E"

SUSPENSION STRAND - PULL AWAY
FROM POLE - 5 FEET OR MORE



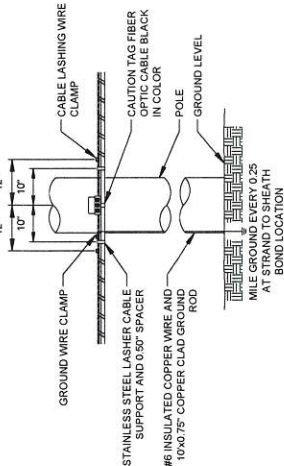
TYPICAL DETAIL "H"

ASHING WIRE GRIP AND CLAMP



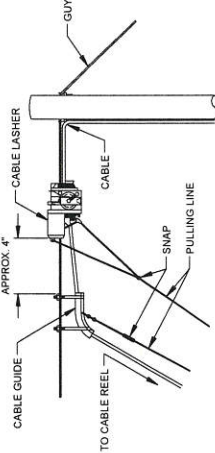
TYPICAL DETAIL "C"

TYPICAL CABLE & HARDWARE
INSTALLATION



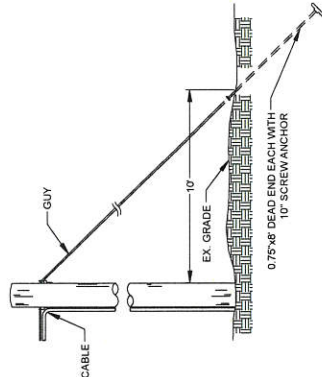
TYPICAL DETAIL "F"

TYPICAL ARRANGEMENT OF
CABLE LASHER AND CABLE GUIDE



TYPICAL DETAIL "I"

ANCHOR & DOWN GUY



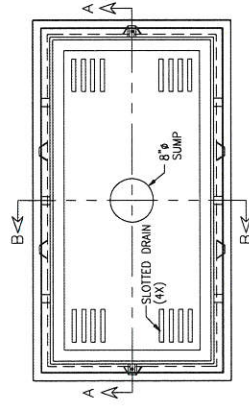
30" x 60" x 30" 30K STANDARD HANDHOLE DETAILS



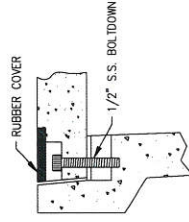
PROJECT:

STAFFORD, TEXAS
BUCESS FLORENCE
NFID: 1706ANBB.011

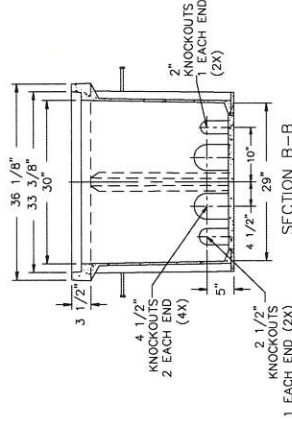
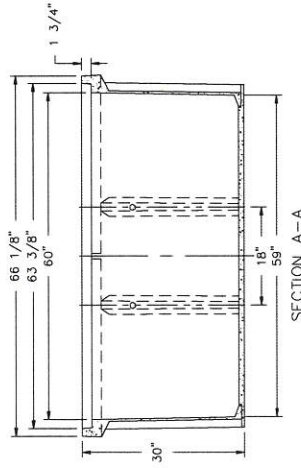
DETAIL "A"
LOCKING DEVICE
CROSS SECTION



DETAIL "B"
FLUSH MOUNT
COVER DETAIL



FLUSH MOUNT COVER DETAIL

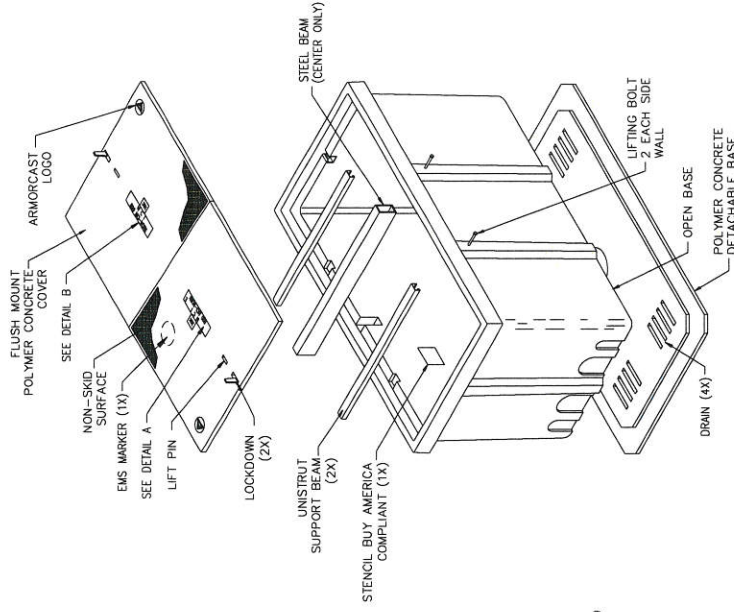


30K
M C I E
800 MCI-WORK
DETAIL A

30K
MCI
800 MCI-WORK
DETAIL B

ITEM	QTY
1	(1)
2	(2)
3	

JOHNNY LOCK KEY
 JOHNNY BOLTS W/FLAT WASHER.
 SHINK WRAPP COVERS TO FRAME FOR PACKAGING.



30K STANDARD HANDHOLE
30"x60"x30" POLYMER CONCRETE FLUSH MOUNT ASSEMBLY
MEETS SCTE/ANSI 77-TIER 22 LOADING CRITERIA
ADDITIONAL REQUIREMENTS:
DESIGNED LOAD: 30,000 LBS
MINIMUM FAILURE LOAD: 45,000 LBS

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SCALE

ITAL 1"-30"

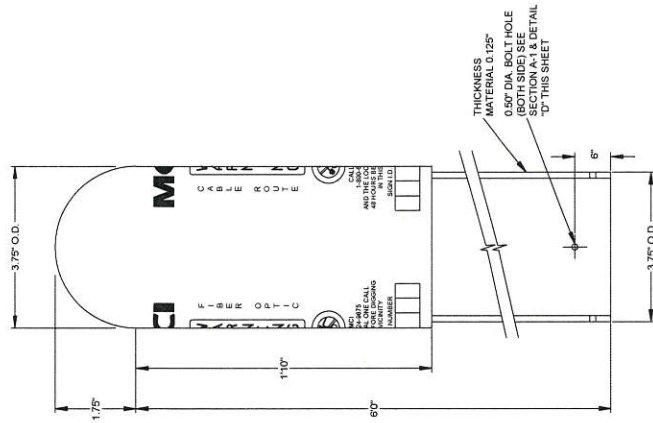
44-38861-10000
CAL
11-2011

TOMP

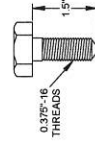
07 OF 10

FILE: FLORENCE 1706ANBR 011 1 MG

DETAIL "C"
SIDE VIEW



1.5" BOLT



SCALE

MP	TO MP
----	-------

EILE: FLORENCE 4706ANBR 011

FLORENCE_1700ANBB011

NFID: 1706ANBB.011

DRAWN BY: JUAN FACCINI

No	DATE	DESCRIPTION	BY
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1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

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•	•
•	•

[illegible]

10			
11			
12			
13			

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PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION

SCALE

HORIZONTAL: 1"=30'

VERTICAL: 1"=30'

MP _____ TO MP _____

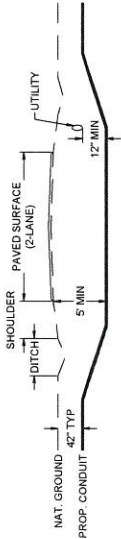
SHEET 07A OF 10

FILE: FLORENCE 1706ANBB.011

ROAD CROSSING DETAILS

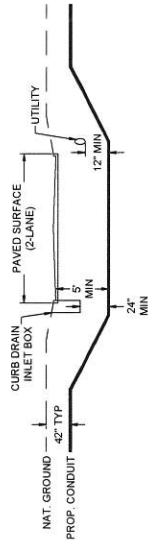
TYPICAL DETAIL "A"

TWO LANE - ASPHALT ROAD - NO CURB



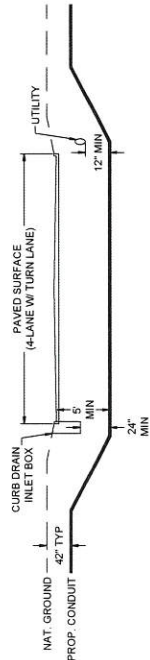
TYPICAL DETAIL "B"

TWO LANE - CURBED ROAD



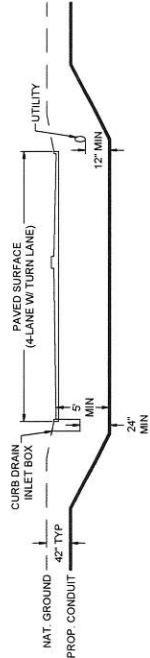
TYPICAL DETAIL "C"

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



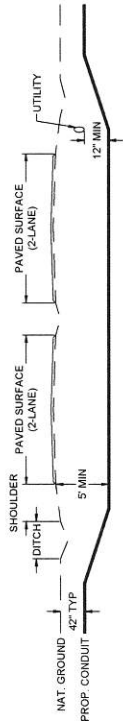
TYPICAL DETAIL "D"

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



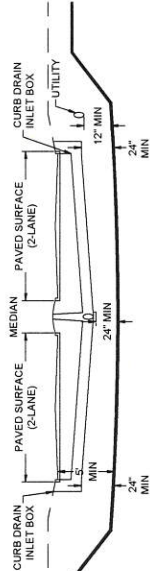
TYPICAL DETAIL "E"

4 LANE - SPLIT ASPHALT ROAD - NO CURB

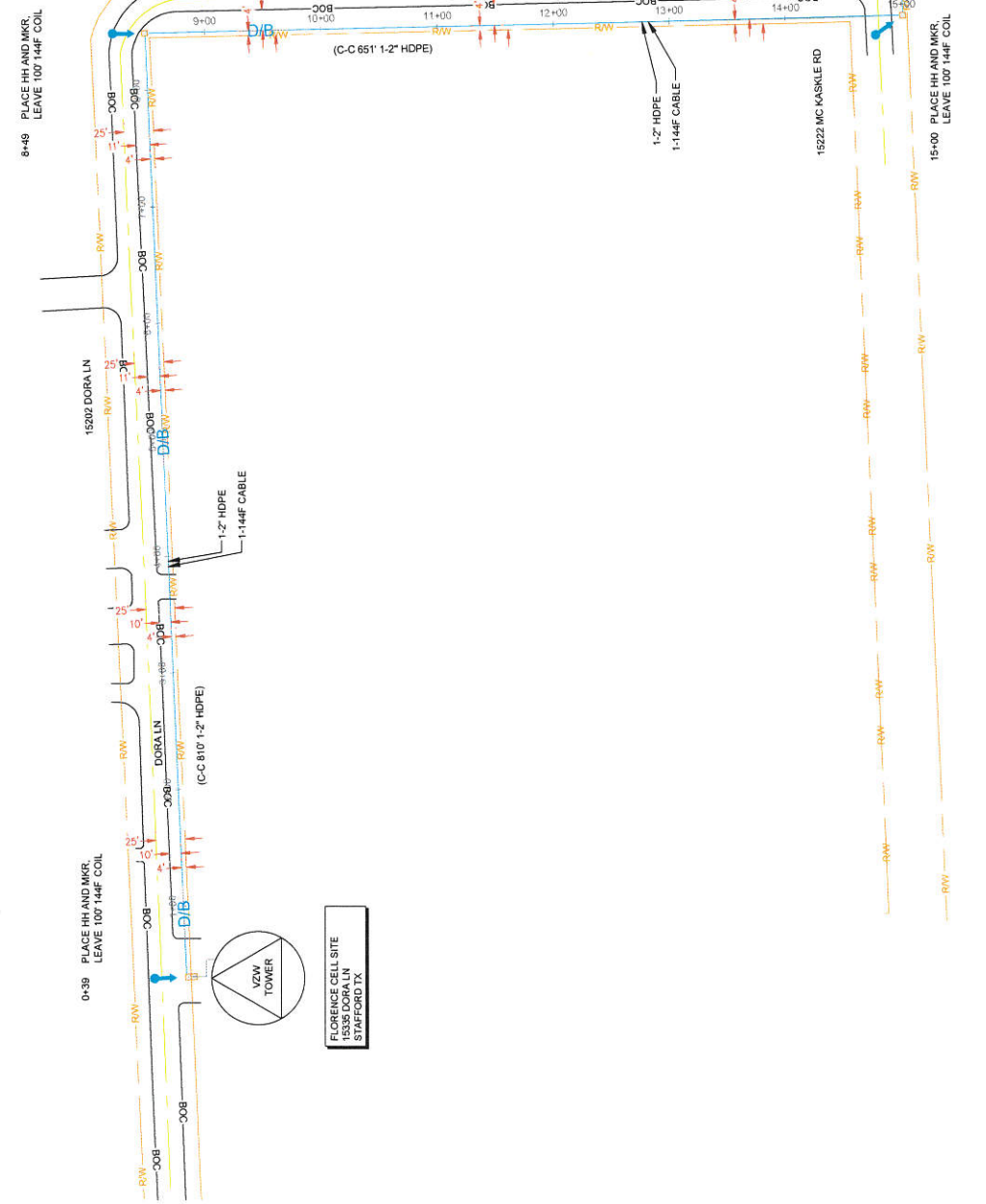


TYPICAL DETAIL "F"

4 LANE - SPLIT CURBED ROAD



[illegible]



PROJECT:

STAFFORD, TEXAS
BUCCISS FLORENCE
NFD 1706ANBB 011

PROJ. 1-2"

1520'

PLACE HANDHOLE

3

PLACE MARKER

3

OUTSIDE PLANT CONSTRUCTION

BUCCISS FLORENCE
STAFFORD, TEXAS

DATE: 12/17/17

ENGINEER: JUAN FACCI

DRAWN BY: JUAN FACCI

REVISIONS

NO.	DATE	DESCRIPTION	BY
0	12/17	CONSTRUCTION	JF

McMetro
ACCESS TRANSMISSION SERVICES
TITLE: FIBER OPTIC ROUTE

SCALE
HORIZONTAL: 1"=30'
VERTICAL: 1"=30'

MP

TO MP

SHEET 09 OF 10

FLORENCE_1706ANBB 011.dwg

III CAUTION !!!
PIPELINE SERVICE LINES
THRU THIS AREA HAVE NOT BEEN
IDENTIFIED NOR INDICATED.
CALL BEFORE YOU DIG
1-800-545-5005
48 HOURS NOTICE REQUIRED

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION.
NO BOUNDARY SURVEY OR FIELD VERIFICATION WAS CONDUCTED.
BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY
RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
FIELD VERIFICATION WAS CONDUCTED. THE CONTRACTOR SHALL BE RESPONSIBLE
FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

