



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**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: 2018-19918

Applicant: Crown Castle NG Central LLC

Job Location Site: 15550 W. Airport Blvd, Sugar Land, TX 77498

Bond No. **Date of Bond:** 5/12/2014 **Amount:** \$50,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this day of , , Upon Motion of Commissioner Meyers, seconded by Commissioner Mokales, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

Presented to Commissioners Court and approved.

By: Rick J Staigle, PE, PTOE
County Engineer

Date Recorded 5-7-2018 Comm. Court No. 10J

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: Judy Willis
Deputy



**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: 2018-19918

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: 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. Staiglo, PE, PTOE
Permit Administrator

4/23/2018

Date

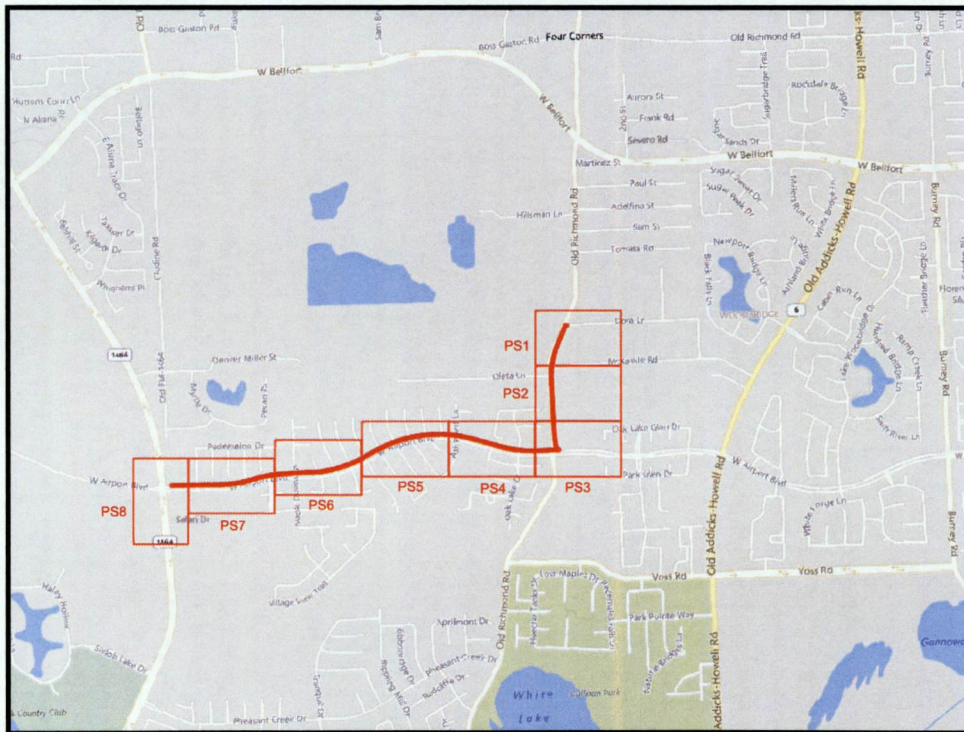
Fort Bend County

Notice of Construction in Right-of-Way

Cluster 47A - Old Richmond Rd. and W. Airport Blvd.

**PROPOSED BORED HDPE INNERDUCT AND FIBER TO BE PLACED
ALONG THE EAST R.O.W. OF OLD RICHMOND RD. AND THE NORTH
R.O.W. OF W. AIRPORT BLVD.**

MAP AREA LOCATION:
CLUSTER 47 - PHASE 2
OLD RICHMOND RD., W.
AIRPORT BLVD. & FM 1464



SITE LOCATION

KEY MAP: 567 B & C



PERMITS REQUIRED /CONTACTS

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
PERMIT ADMINISTRATOR
FORT BEND COUNTY ENGINEERING
281-633-7503

WRITTEN NOTICES ARE REQUIRED:

1. 48 HOURS IN ADVANCE OF START OF CONSTRUCTION.
2. WHEN CONSTRUCTION IS COMPLETE AND READY FOR FINAL INSPECTION, MAIL TO.

PERMIT ADMINISTRATOR: FORT BEND COUNTY ENGINEERING
P.O. BOX 1449, ROSENBERG, TX 77471

DRAWING LIST

1. COVER SHEET
2. GENERAL NOTES
3. LEGEND
4. PROJECT SHEET 1
5. PROJECT SHEET 2
6. PROJECT SHEET 3
7. PROJECT SHEET 4
8. PROJECT SHEET 5
9. PROJECT SHEET 6
10. PROJECT SHEET 7
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12. PROFILE SHEET 1
13. PROFILE SHEET 2
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15. PROFILE SHEET 4
16. PROFILE SHEET 5
17. PROFILE SHEET 6

DESIGN CONTRACTOR:

Design Co: FiberComm Services, LLC
Designer: Larry Anderson
Phone#: 713-726-1928

CONTRACTOR NOTE

PRIOR TO STARTING THE PROJECT THE CONTRACTOR WILL MEET WITH THE PROJECT MANAGER AT CROWN CASTLE FIBER OFFICE TO GO OVER THE PROJECT DETAILS FOR CONSTRUCTION. THE CONTRACTOR WILL MAKE UP A SET OF DRAWINGS TO ENSURE BOTH THE PROJECT MANAGER AND THE CONTRACTOR HAVE A CLEAR UNDERSTANDING AS TO WHAT IS EXPECTED OF THE CONTRACTOR TO COMPLETE. THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE PROJECT MANAGER PRIOR TO ANY CHANGES, REQUESTS FROM OTHER AGENCIES AND ALL UNINTENTIONAL INCIDENTALS AND WILL ALSO FOLLOW UP WITH AN EMAIL STATEMENT REGARDING THE REQUEST.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A FULL SET OF DRAWINGS AND ALL REQUIRED PERMITS AND THE REQUIRED SAFETY ITEMS AT ALL PROJECT LOCATIONS.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT A COMPLETE SET OF AS-BUILT DRAWINGS (AS-BUILT, RED-LINE) OF ALL PERFORMED WORK PRIOR TO INVOCING. ALL AS-BUILT DRAWINGS MUST INCLUDE PICTURES OF ALL PHASES OF PERFORMED WORK. ALL LINE ITEMS THAT REQUIRE PICTURING WILL HAVE PICTURES AS BACKUP. TO THE PERFORMED WORK AREA.

48 HOURS PRIOR TO CONSTRUCTION CONTACT CROWN CASTLE FIBER MANAGEMENT TEAM BY EMAIL NOTIFICATION.

TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2

LOC: FORT BEND COUNTY, TX

PMO# / TGT BUILDING ID: N/A

PRJ: RONNIE SHORTHORSE 348-205-5092

DWG: Fort Bend - Cluster 47A-SW

DRAWING DATE ENG DESIGN

ORIGINAL 03/18/18 FCS

Rev#1 N/A N/A

AS-BUILT N/A N/A

CC CROWN CASTLE FIBER

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER

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OF: 17

GENERAL NOTES

GENERAL NOTES:

1. CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND.
2. THE CONTRACTOR SHALL CONTACT A MEMBER OF TEXAS ONE CALL SYSTEM A MIN. OF 48 HOURS BEFORE DIGGING. YOU ONLY NEED TO CONTACT ONE CENTER. THAT CENTER WILL RELAY THE INFORMATION TO THE OTHER TWO CENTERS.
 - TEXAS ONE CALL 713-223-4567 OR 1-800-245-4545
 - TESS (TEXAS EXCAVATION SAFETY SYSTEM) 811
 - LONE STAR NOTIFICATION SYSTEM 800-669-8344 OR 713-223-4567
 - REMINDER : ANY UNDERGROUND FACILITY OWNERS WHO ARE NOT MEMBERS OF TEXAS ONE CALL, TESS OR LONESTAR
3. NOTIFICATION CENTERS IN THE STATE OF TEXAS, MUST BE CONTACTED DIRECTLY BY THE ORIGINATOR OF THE LOCATION REQUEST.
4. CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.
5. THE CONTRACTOR SHALL VERIFY THE ROAD R.O.W. AND EASEMENTS PRIOR TO COMMENCING WORK. NO FACILITIES SHOULD BE PLACED ON PRIVATE PROPERTY UNLESS OTHERWISE SPECIFIED.
6. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND FACILITIES.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATER, WASTEWATER AND STORM DRAINAGE LINES. DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE MUNICIPALITY AGENCY (STATE, COUNTY, OR CITY), DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING REFERENCED ABOVE, AT NO ADDITIONAL COST.
8. ALL CABLE WILL BE PLACED AT STANDARD MINIMUM DEPTH. (CROWN CASTLE FIBER STANDARD IS 48" DEEP UNLESS OTHERWISE DIRECTED BY A CROWN CASTLE FIBER REPRESENTATIVE OR SPECIFIED ON THE DRAWING.)
9. NO MORE TRENCH OPENED AT ONE TIME THAN CAN BE BACKFILLED AND COMPACTED IN 10" LIFTS AT THE END OF EACH DAY. (NO TRENCH LEFT OPENED OVERNIGHT)
10. ALL EXCESS EXCAVATION TO BE REMOVED FROM THE ROAD RIGHT-OF-WAY AT THE END OF EACH DAY.
11. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER.
12. ROAD MUST BE KEPT OPEN TO TRAFFIC AND CONTRACTOR MUST PROVIDE ADEQUATE FLAGMEN, SIGNALS, ETC., TO PROVIDE COMPLETE SAFETY TO THE PUBLIC. IF IT BECOMES NECESSARY FOR EQUIPMENT TO OPERATE ON A PORTION OF THE PAVEMENT, PRECAUTIONS MUST BE TAKEN TO PREVENT ANY DAMAGE WHATSOEVER TO THE PAVEMENT.
13. CONDITION OF ROAD UPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING
14. CONTRACTOR SHALL COMPLY WITH LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
15. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS, AND TREES ALONG THE AREA OF EXCAVATION.
16. NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL RIGHT OF ENTRY OR EASEMENT IS GRANTED.
17. CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE CROWN CASTLE FIBER REPRESENTATIVE ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK.
18. PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.
19. ALL WORK IS TO BE IN ACCORDANCE WITH THE STANDARDS OF ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.
20. CONTRACTORS ARE ADVISED TO CONTACT CROWN CASTLE FIBER FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.
21. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT YOUR CROWN CASTLE FIBER REPRESENTATIVE BEFORE PROCEEDING.
22. BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.
23. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS, AND TREES ALONG THE AREA OF EXCAVATION.
24. CONTRACTOR WILL COMPLETE ALL WORK PER "CROWN CASTLE FIBER" CONSTRUCTION SPECIFICATIONS.
25. CONTRACTOR SHALL MAINTAIN A SET OF REDLINE DRAWINGS RECORDING AS-BUILT CONDITIONS DURING CONSTRUCTION. THESE REDLINE MARKED UP DRAWINGS WILL BE SUBMITTED TO THE DESIGN CONSULTANT WHO WILL MAKE THE CHANGES ON THE AS-BUILT RECORD DRAWINGS.
26. RIGHT-OF-WAY WILL BE RESTORED TO EQUAL OR BETTER CONDITION WHEN CONSTRUCTION IS COMPLETE.

ABBR.	DESCRIPTION
B.O.	BUILDING OWNED
B.O.C.	BUILDING OWNED CONDUIT
EOC	EDGE OF CURB
EMT	ELECTRIC METALLIC TUBING
EOP	EDGE OF PAVEMENT
FDP	FIBER DISTRIBUTION PANEL
FF	FINISHED FLOOR
FMC	FLEXIBLE METALLIC CONDUIT
GRC	GALVANIZED RIGID CONDUIT
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
PB	PULLBOX
PL	PROPERTY LINE
PVC	POLYVINYL CHLORIDE
ROW	RIGHT OF WAY
SP	SPLICE PANEL
STA.	STATION
SW	SIDEWALK

APWA STANDARD

COLOR CODE FOR TEMPORARY MARKING OF UNDERGROUND FACILITIES:

RED = ELECTRIC POWERLINES, CABLES, CONDUIT, AND LIGHTING CABLES
 YELLOW = GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIAL
 ORANGE = COMMUNICATION, ALARM, OR SIGNAL LINES, CABLES, OR CONDUIT
 BLUE = POTABLE WATER
 GREEN = SEWER AND DRAIN LINES
 PURPLE = RECLAIMED WATER, IRRIGATION, AND SLURRY
 PINK = TEMPORARY SURVEY MARKINGS
 WHITE = PROPOSED EXCAVATION



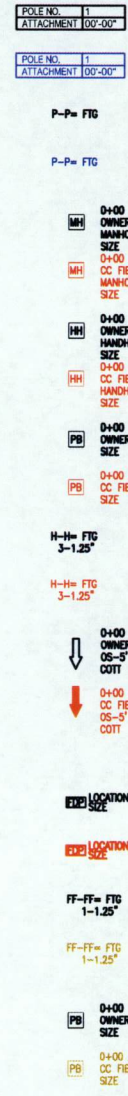
Know what's below.
Call before you dig.

TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOG: FORT BEND COUNTY, TX			
PMOW/TGT BUILDING ID: N/A			
PI# RONNIE SHORTHOSE 241-208-8092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/15/18	FCS	
Rev#	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN FIBER CASTLE			PAGE: 2
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 17

LEGEND



BOND
 JOINT USE POLE
 JOINT USE POLE W/ TRANSFORMER
 POWER POLE
 POWER POLE W/ TRANSFORMER
 STEEL POLE
 CONCRETE POLE
 TELCO POLE
 PROPOSED TELCO POLE
 EXISTING RISER
 PROPOSED RISER
 EXISTING DOWN GUY & ANCHOR
 PROPOSED DOWN GUY & ANCHOR
 EXISTING DOWN GUY
 PROPOSED DOWN GUY
 EXISTING S/W GUY & ANCHOR
 PROPOSED S/W GUY & ANCHOR
 EXISTING S/W GUY
 PROPOSED S/W GUY
 EXISTING EXTENDED MESSENGER
 PROPOSED EXTENDED MESSENGER
 OVERHEAD GUY EXISTING
 OVERHEAD GUY PROPOSED



POLE ATTACHMENT EXISTING
 POLE ATTACHMENT PROPOSED
 STRAND FTG. EXISTING
 STRAND FTG. PROPOSED
 MANHOLE EXISTING
 MANHOLE PROPOSED
 HANDHOLE EXISTING
 HANDHOLE PROPOSED
 PULLBOX EXISTING
 PULLBOX PROPOSED
 CONDUIT / INNER-DUCT FTG. EXISTING
 CONDUIT / INNER-DUCT FTG. PROPOSED
 MARKER - EXISTING
 MARKER - PROPOSED
 FDP - EXISTING
 FDP - PROPOSED
 ISP DUCT FTG. EXISTING
 ISP DUCT FTG. PROPOSED
 PULLBOX EXISTING
 PULLBOX PROPOSED



CABLE SIZE EXISTING
 CABLE SIZE PROPOSED
 SLACK LOOP AERIAL EXISTING
 SLACK LOOP AERIAL PROPOSED
 SLACK LOOP UG EXISTING
 SLACK UG PROPOSED
 SPLICE CASE EXISTING
 SPLICE CASE PROPOSED
 FIBER SIZE IN-OUT SEQUENTIAL
 FIBER SIZE IN-TAIL SEQUENTIAL
 FIBER SIZE TAIL-OUT SEQUENTIAL
 LATITUDE & LONGITUDE

① CONDUIT OWNER: CC FIBER
 CONDUIT LENGTH: LENGTH
 CONDUIT QUANTITY: QUANTITY
 CONDUIT SIZE: SIZE
 CONDUIT TYPE: TYPE
 NOTE:

① CONDUIT OWNER: CC FIBER
 CONDUIT LENGTH: LENGTH
 CONDUIT QUANTITY: QUANTITY
 CONDUIT SIZE: SIZE
 CONDUIT TYPE: TYPE
 NOTE:

① CONDUIT OWNER: CC FIBER
 CONDUIT LENGTH: LENGTH
 CONDUIT QUANTITY: QUANTITY
 CONDUIT SIZE: SIZE
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 NOTE:

① CONDUIT OWNER: CC FIBER
 CONDUIT LENGTH: LENGTH
 CONDUIT QUANTITY: QUANTITY
 CONDUIT SIZE: SIZE
 CONDUIT TYPE: TYPE
 NOTE:

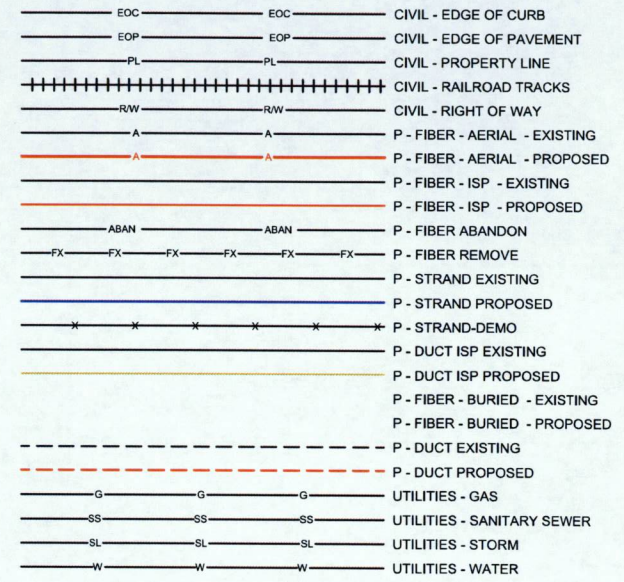
① INNER-DUCT OWNER: CC FIBER
 INNER-DUCT LENGTH: LENGTH
 INNER-DUCT QUANTITY: QUANTITY
 INNER-DUCT SIZE: SIZE
 INNER-DUCT TYPE: TYPE
 NOTE:

① INNER-DUCT OWNER: CC FIBER
 INNER-DUCT LENGTH: LENGTH
 INNER-DUCT QUANTITY: QUANTITY
 INNER-DUCT SIZE: SIZE
 INNER-DUCT TYPE: TYPE
 NOTE:

① STRAND SIZE: SIZE
 STRAND LENGTH: LENGTH
 NOTE:

① CABLE FIBERS: FIBERS
 CABLE OWNER: CC FIBER
 CABLE LENGTH: FTG
 NOTES:

LINETYPES



TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTRIDGE 348-208-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/18/18	PCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN FIBER CASTLE			PAGE: 3
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NOTE:
THE FORT BEND COUNTY PERMIT STARTS HERE. FIBERNET HAS
SUBMITTED ANOTHER FORT BEND COUNTY PERMIT FOR THE FIBER
SHOWN IN BLACK. THE FIBER ROUTE SHOWN IN BLACK IS FOR
REFERENCE ONLY.

CHURCH ON THE ROCK
16355 OLD RICHMOND RD.

DORA LN.

0+00
CC FIBER
HANDHOLE
4'x4'S

OLD RICHMOND RD.

H-H= 780'
3-1.25"

FAMILY LIFE CHRISTIAN FELLOWSHIP
16425 OLD RICHMOND RD.

PROJECT CONSTRUCTION NOTES:
1. ALL PROPOSED U/G CONSTRUCTION
SHOWN IN RED ON THIS PLAT WILL
INDICATE BORING THREE 1" X 1" HOPE
INNERJECTS AND ONE FIBER CABLES;
UNLESS OTHERWISE INDICATED.
2. ALL HAND HOLES ARE
24"x36"x30"(UNLESS OTHERWISE INDICATED)
WITH 100' OF FIBER SLACK LOOP.

16444 OLD RICHMOND RD.

MC KASKLE RD.

7+14 SEE PROJECT SHEET 2

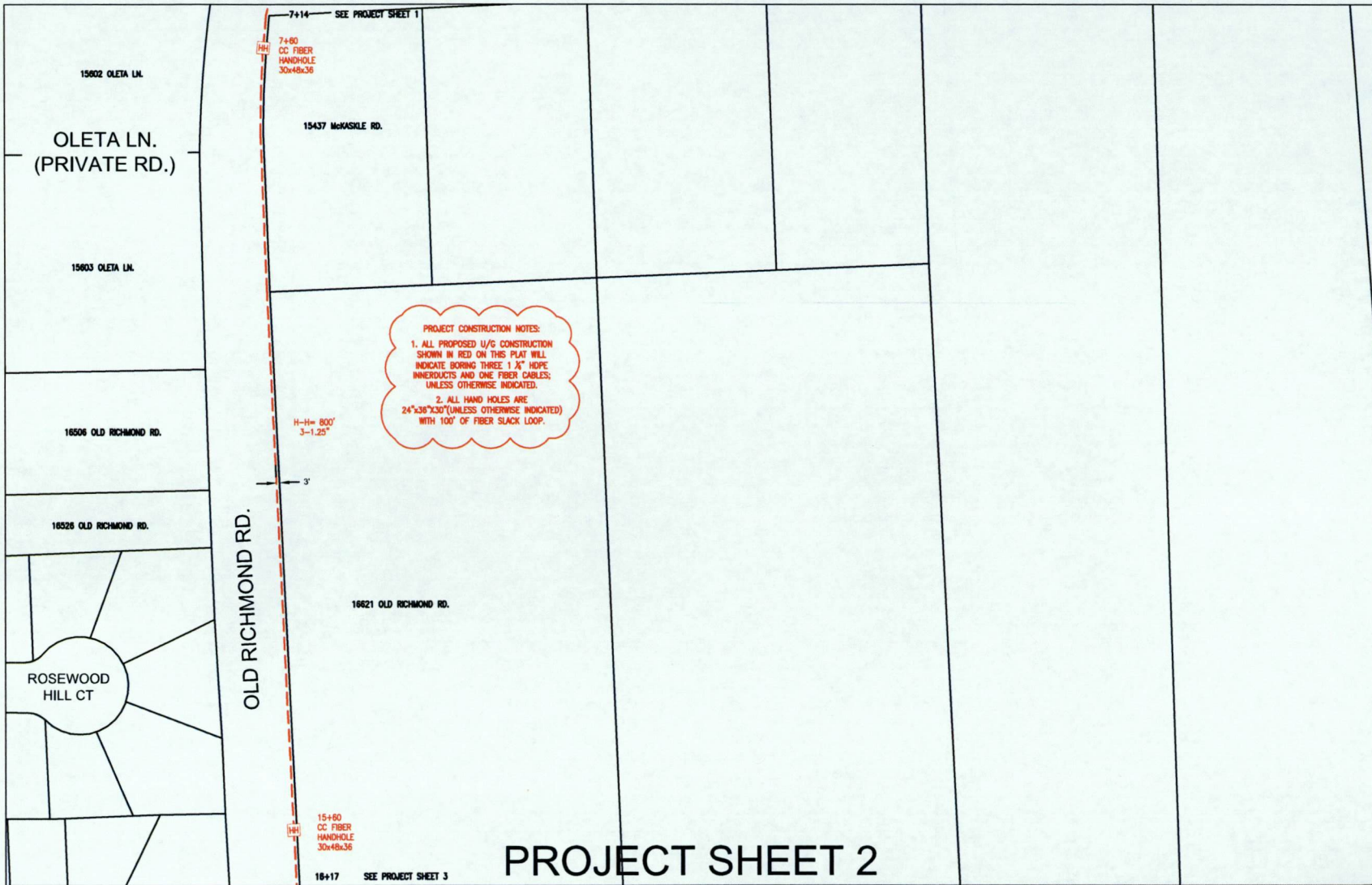
PROJECT SHEET 1

CONSTRUCTION NOTES


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

0 25' 50' 75' 100'
SCALE: 1"=100'

TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHOSE - 348-208-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/18/18	FCS	
Revised	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN FIBER CASTLE			PAGE: 4 OF: 17
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



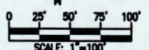
PROJECT SHEET 2




Know what's below.
Call before you dig.

TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2		
LOC: FORT BEND COUNTY, TX		
PARCEL/TGT BUILDING ID: N/A		
PM: RONNIE SHORTHOSE 346-208-5092		
DWG: Fort Bend - Cluster 47A.dwg		
DRAWING	DATE	ENG DESIGN
ORIGINAL	03/15/18	FCS
Revis#1	N/A	N/A
AS-BUILT	N/A	N/A

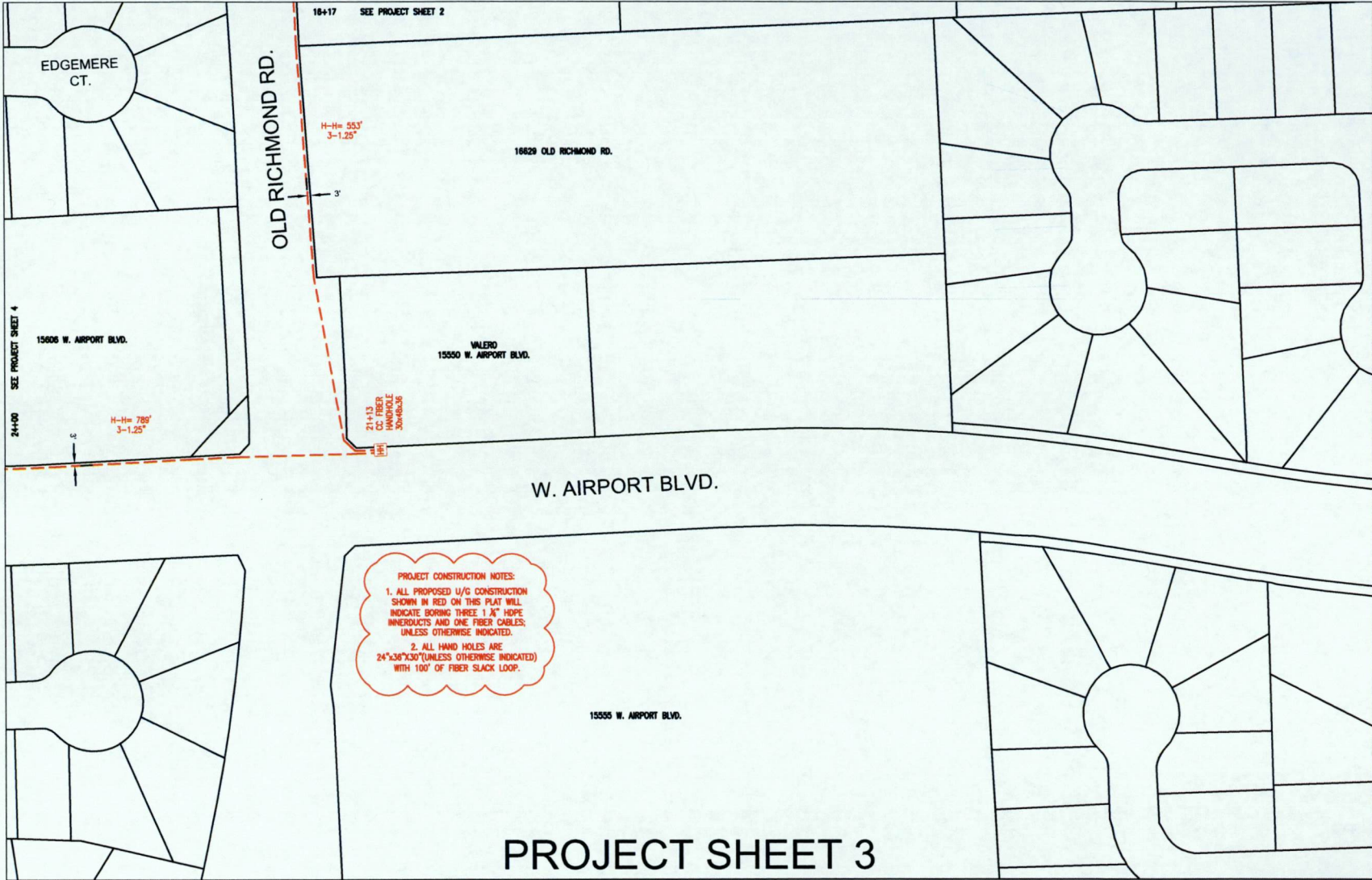
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SCALE: 1"=100'



PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



16+17 SEE PROJECT SHEET 2

EDGEEMERE CT.

15629 OLD RICHMOND RD.

15505 W. AIRPORT BLVD.

VALERO
15550 W. AIRPORT BLVD.

24+00 SEE PROJECT SHEET 4

H-H= 553'
3-1.25"

H-H= 789'
3-1.25"

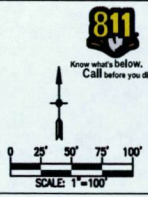
21+13
CC FIBER
HANDHOLE
30x36x36

PROJECT CONSTRUCTION NOTES:

- ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 1/2" HDPE INNERDUCTS AND ONE FIBER CABLES; UNLESS OTHERWISE INDICATED.
- ALL HAND HOLES ARE 24"x36"x30"(UNLESS OTHERWISE INDICATED) WITH 100' OF FIBER SLACK LOOP.

PROJECT SHEET 3

CONSTRUCTION NOTES



TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2

LOC: FORT BEND COUNTY, TX

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHORSE 346-206-5092

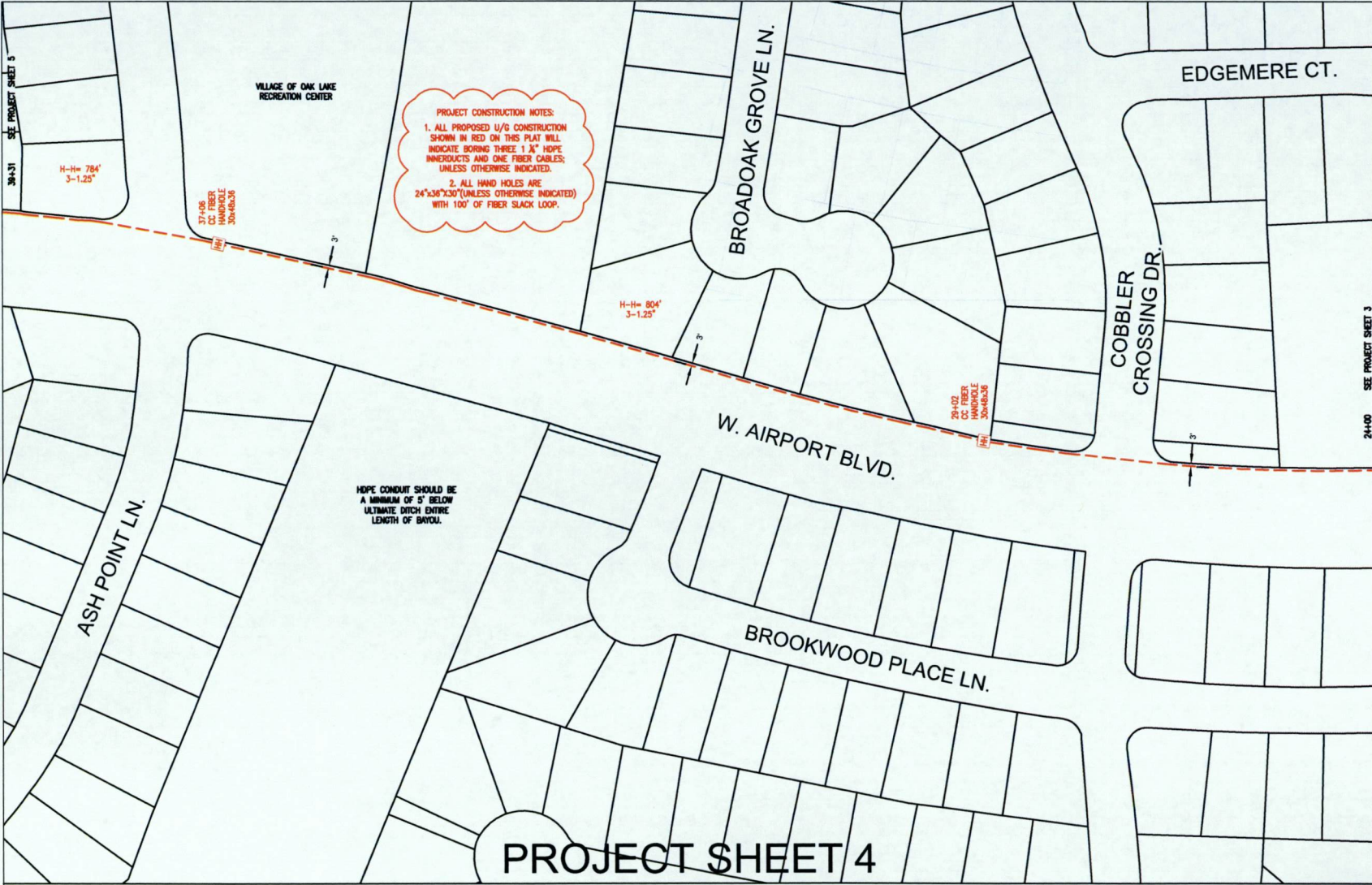
DWS: Fort Bend - Cluster 47A.dwg

DRAWING	DATE	ENG DESIGN
ORIGINAL	03/18/18	PCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

PAGE: 6
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CC CROWN CASTLE FIBER

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



PROJECT SHEET 4



TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2

LOC: FORT BEND COUNTY, TX

PMO# / TGT BUILDING ID: N/A

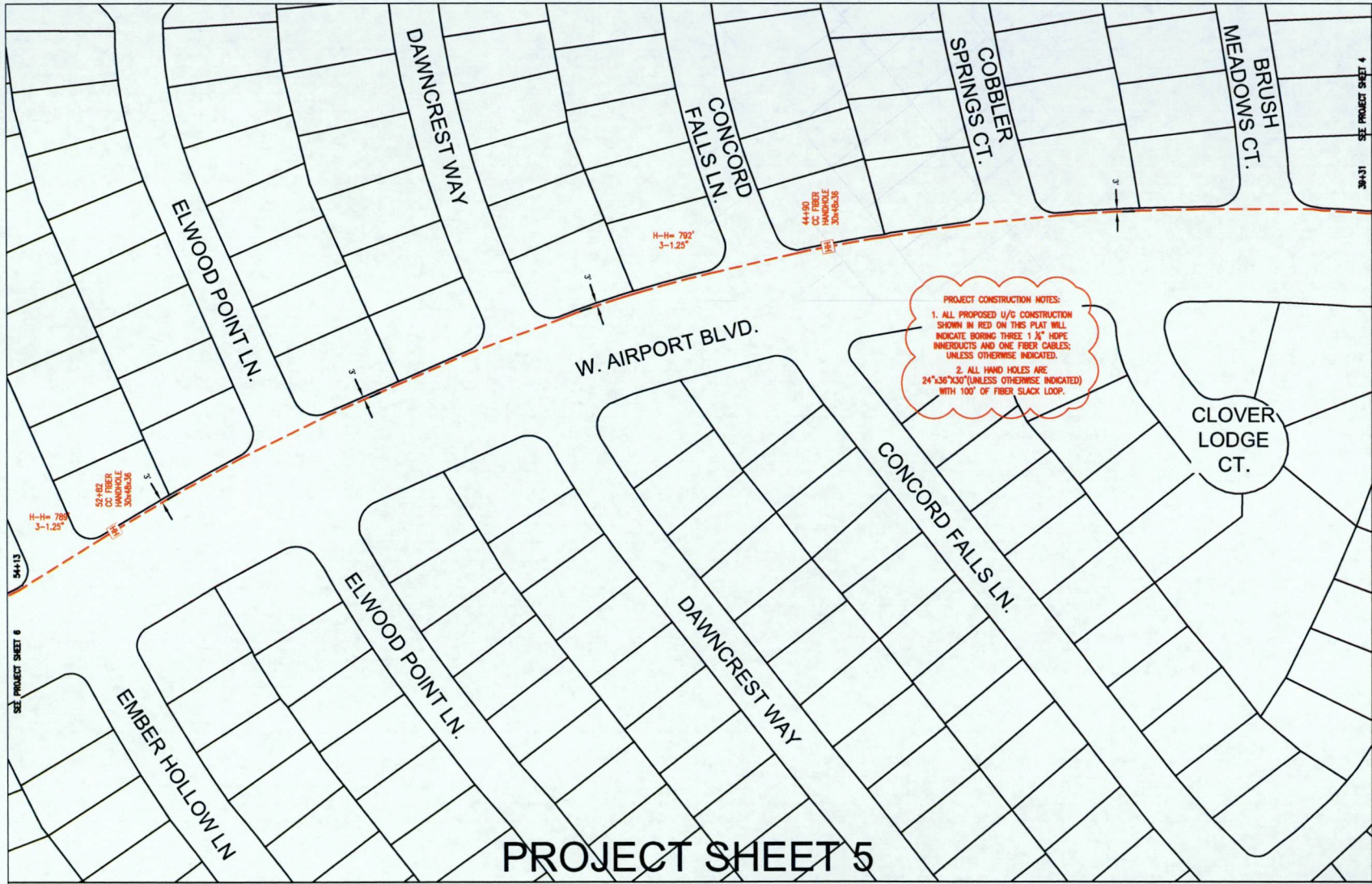
PM: RONNIE SHORTHOUSE 348-206-5092

DWG: Fort Bend - Cluster 47A.dwg

DRAWING	DATE	ENG DESIGN
ORIGINAL	03/18/18	FCS
Revis1	N/A	N/A
AS-BUILT	N/A	N/A

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OF: 17

CROWN CASTLE FIBER
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



PROJECT CONSTRUCTION NOTES:
 1. ALL PROPOSED U/C CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 3/4" HOPE INNERDUCTS AND ONE FIBER CABLES, UNLESS OTHERWISE INDICATED.
 2. ALL HAND HOLES ARE 24"x36"x30" (UNLESS OTHERWISE INDICATED) WITH 100' OF FIBER SLACK LOOP.

CONSTRUCTION NOTES

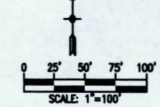
PROJECT SHEET 5

SEE PROJECT SHEET 6

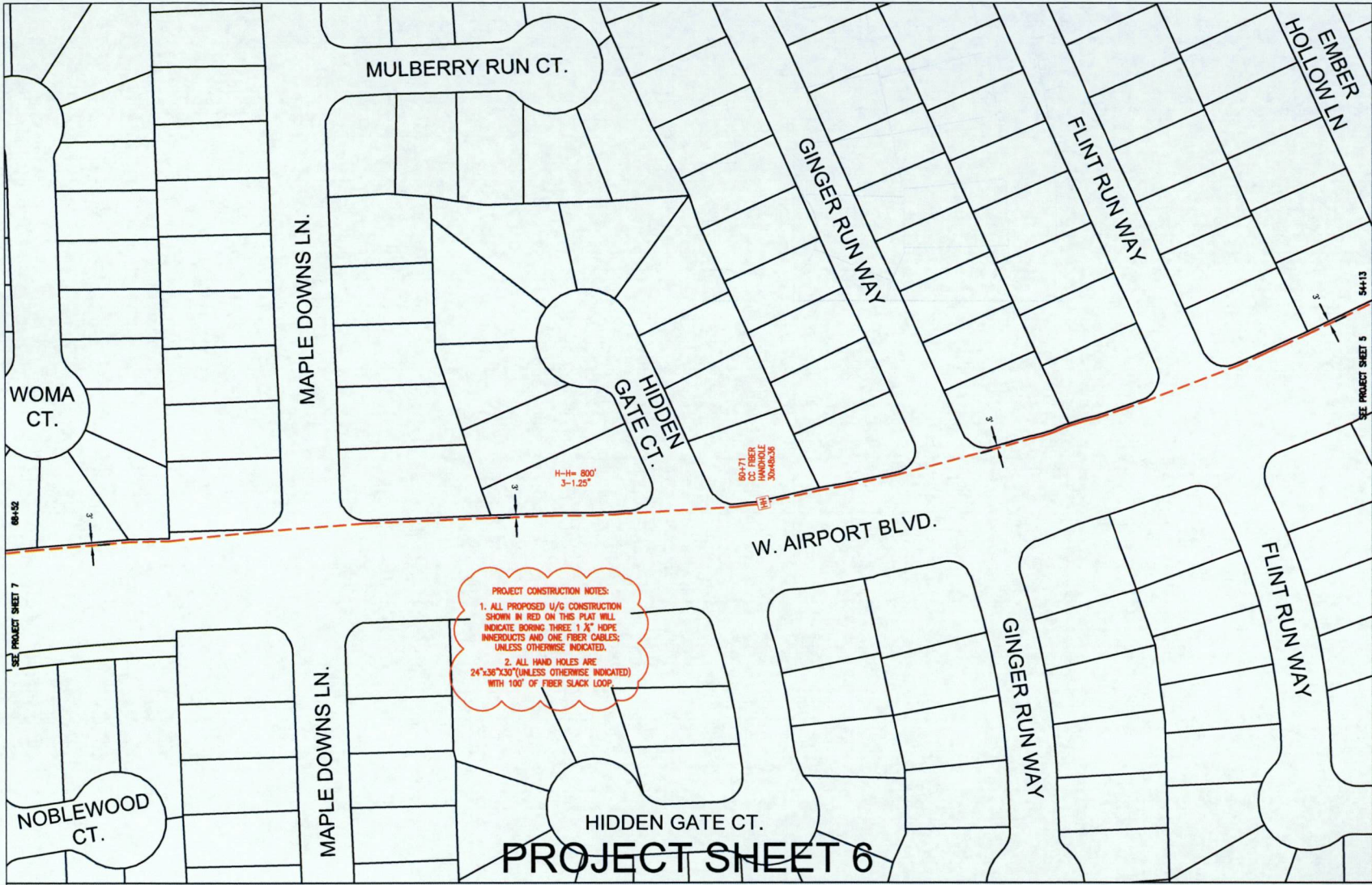
SEE PROJECT SHEET 4



Know what's below. Call before you dig.



TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PMOR / TGT BUILDING ID: N/A			
PI# KONNIE SHORTHOSE 341-208-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/16/18	FCS	
Revised	N/A	N/A	
AS-BUILT	N/A	N/A	
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PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 17



PROJECT CONSTRUCTION NOTES:

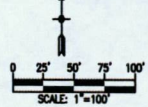
1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAN WILL INDICATE BORING THREE: 1 1/2" HDPE INNERDUCTS AND ONE FIBER CABLES; UNLESS OTHERWISE INDICATED.
2. ALL HAND HOLES ARE 24"x36"x30" (UNLESS OTHERWISE INDICATED) WITH 100' OF FIBER SLACK LOOP.

PROJECT SHEET 6

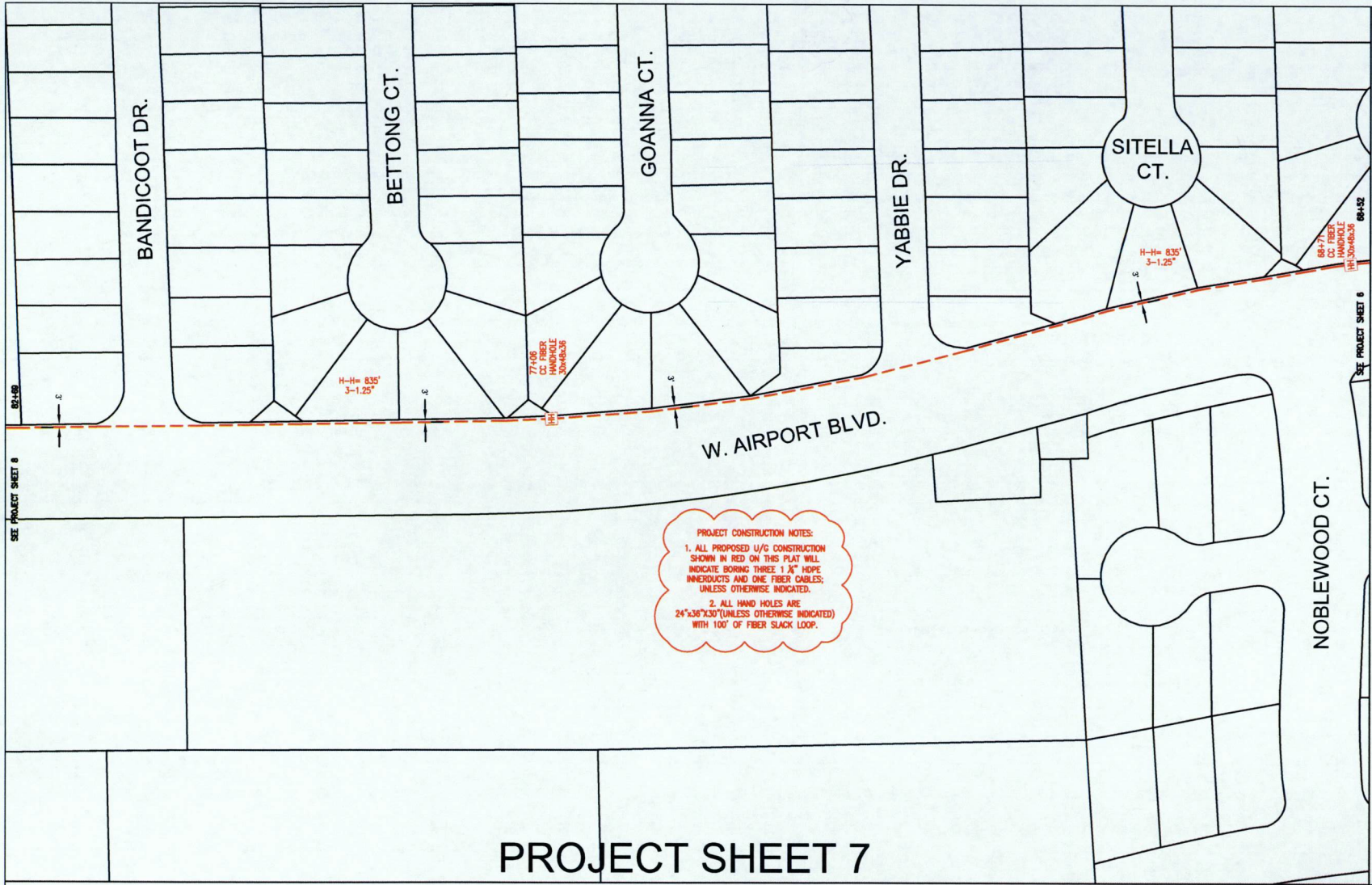
CONSTRUCTION NOTES



Know what's below.
Call before you dig.



TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PMOW / TGT BUILDING ID: N/A			
FILE NUMBER: SHORTHOSE 348-208-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/16/18	FCS	
Revised	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 9
			OF: 17
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



PROJECT CONSTRUCTION NOTES:
 1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAN WILL INDICATE BORING THREE 1 1/2" HDPE INNERDUCTS AND ONE FIBER CABLES; UNLESS OTHERWISE INDICATED.
 2. ALL HAND HOLES ARE 24"x36"x36" (UNLESS OTHERWISE INDICATED) WITH 100' OF FIBER SLACK LOOP.

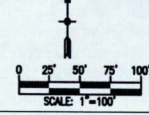
SEE PROJECT SHEET 6

SEE PROJECT SHEET 6

PROJECT SHEET 7



Know what's below. Call before you dig.

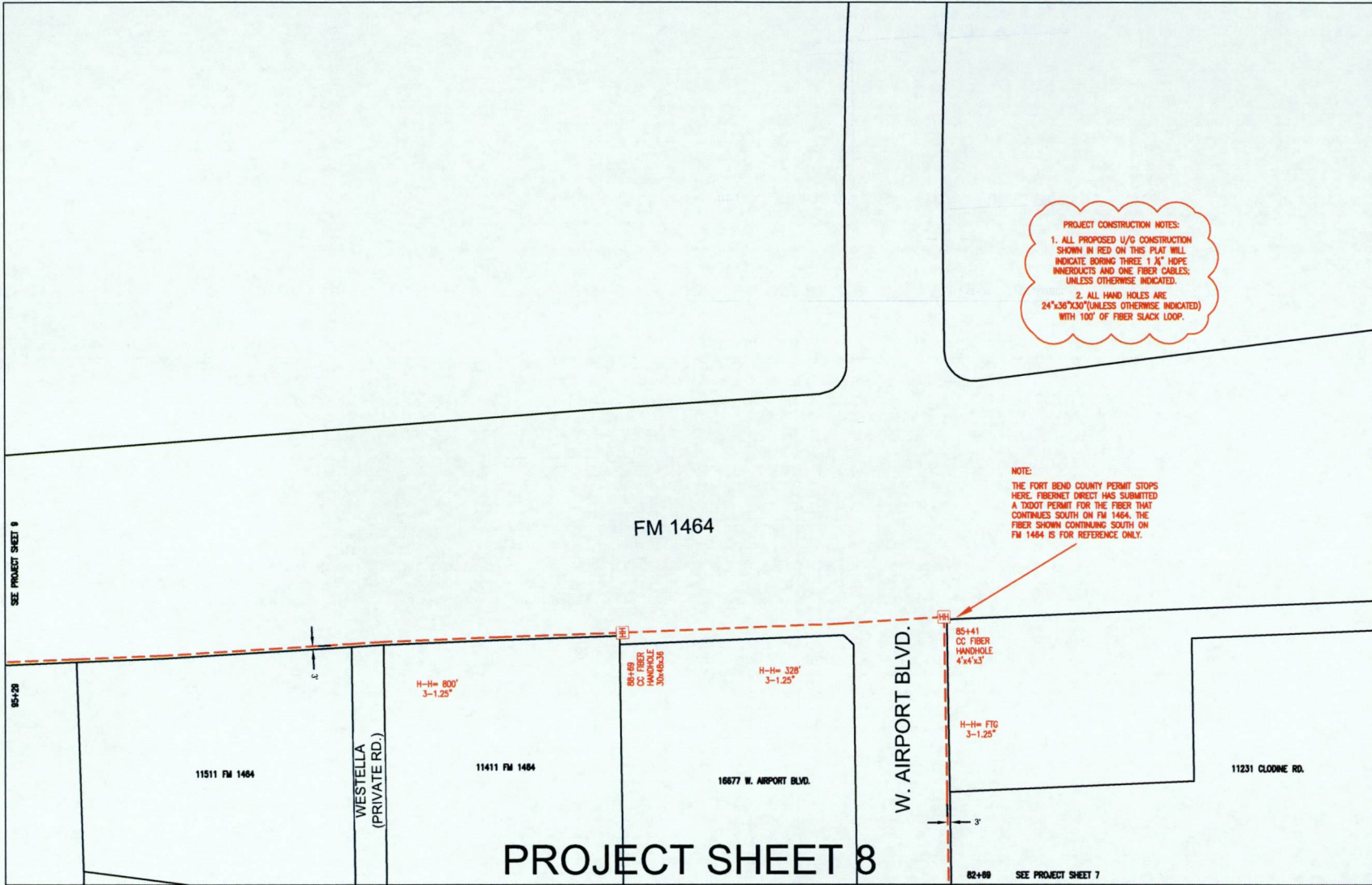


TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SPURTHOUSE 348-206-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN FIBER CASTLE			PAGE: 10
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 17

PROJECT CONSTRUCTION NOTES:

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1" X1" HDPE INNERDUCTS AND ONE FIBER CABLE; UNLESS OTHERWISE INDICATED.
2. ALL HAND HOLES ARE 24"x36"x30"(UNLESS OTHERWISE INDICATED) WITH 100' OF FIBER SLACK LOOP.

NOTE:
THE FORT BEND COUNTY PERMIT STOPS HERE. FIBERNET DIRECT HAS SUBMITTED A TROTT PERMIT FOR THE FIBER THAT CONTINUES SOUTH ON FM 1464. THE FIBER SHOWN CONTINUING SOUTH ON FM 1464 IS FOR REFERENCE ONLY.



PROJECT SHEET 8

SEE PROJECT SHEET 9

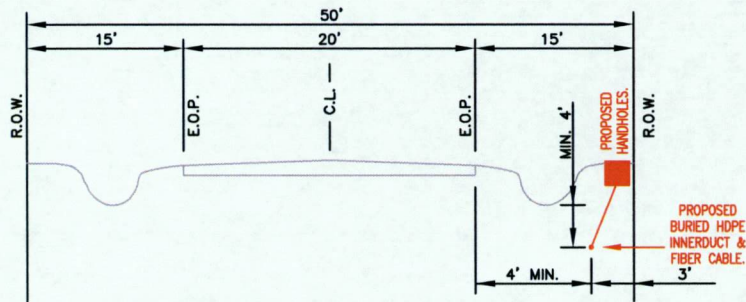
85+20

82+88 SEE PROJECT SHEET 7

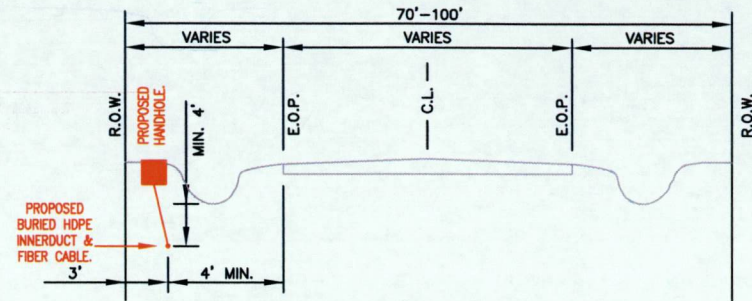
811
King when it rains.
Call before you dig.

0 25' 50' 75' 100'
SCALE: 1"=100'

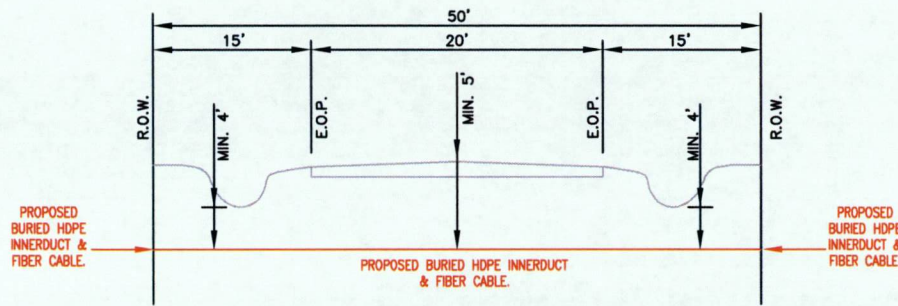
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LOC: FORT BEND COUNTY, TX			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 348-208-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 11
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 17



DORA LN. AT OLD RICHMOND RD.
LOOKING EAST



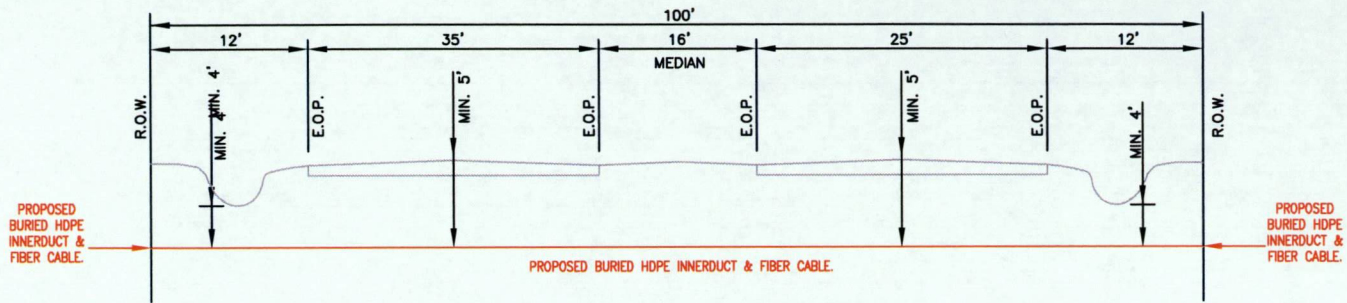
OLD RICHMOND RD. FROM DORA LN.
TO W. AIRPORT BLVD.
LOOKING SOUTH



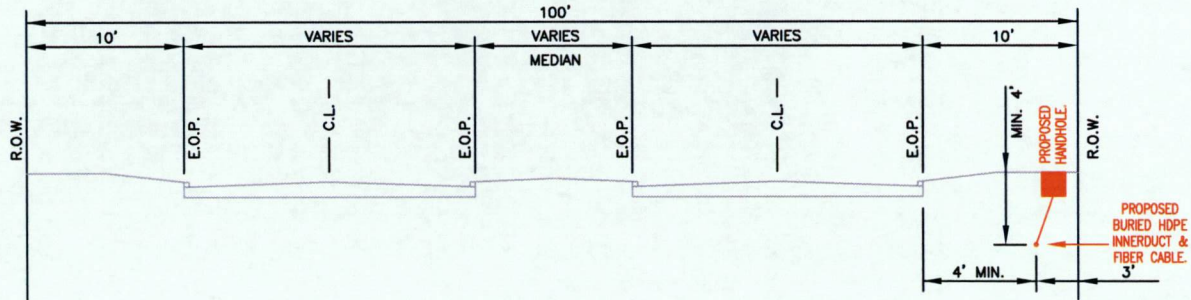
McKASKIE RD. @ OLD RICHMOND RD.
LOOKING EAST

PROFILE SHEET 1

TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 348-208-5092			
DWG: FBT Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/16/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 12
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 17



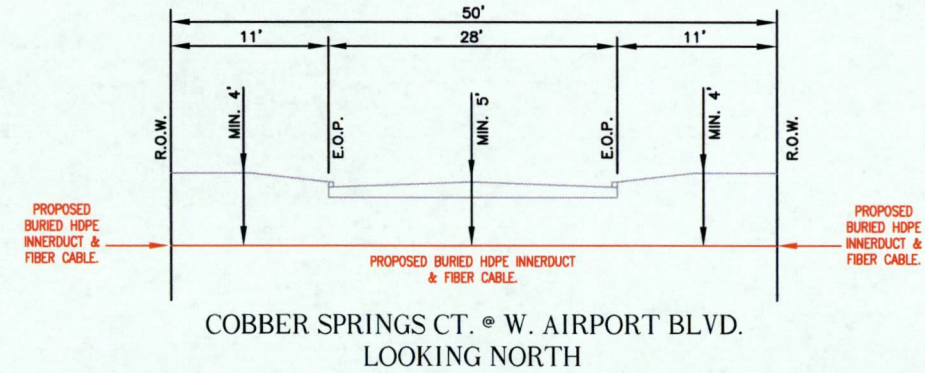
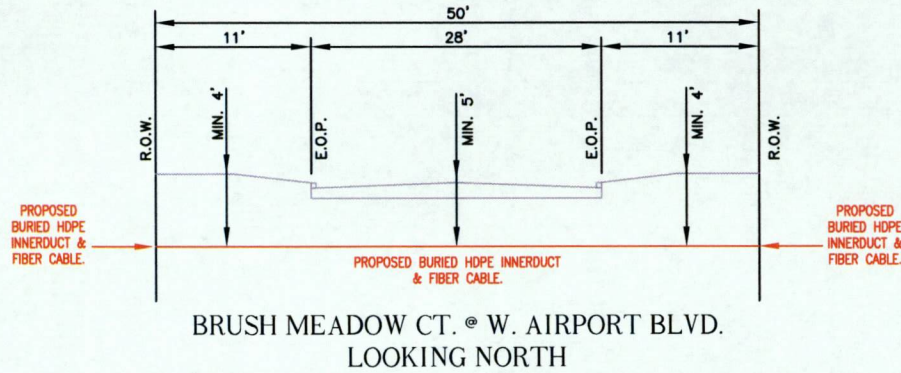
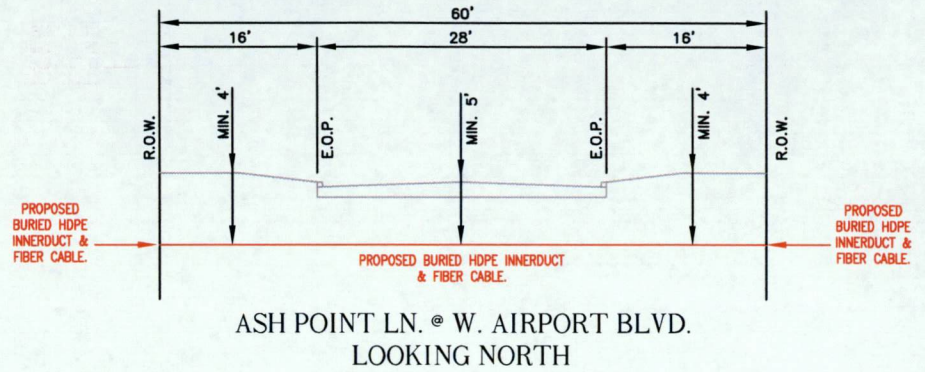
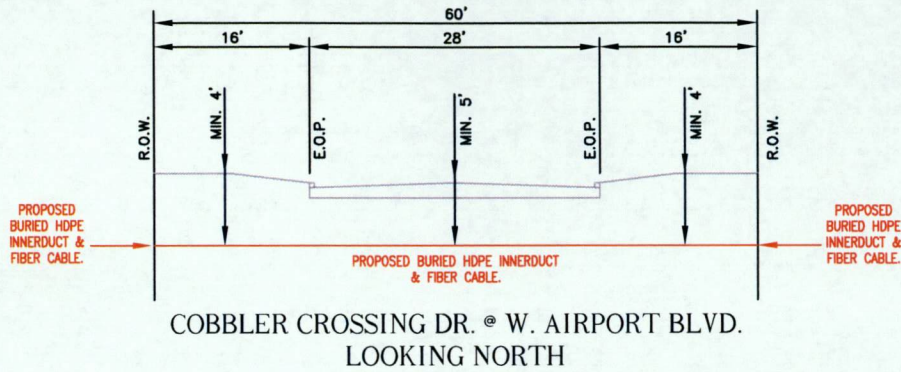
OLD RICHMOND RD. @ W. AIRPORT BLVD.
LOOKING NORTH



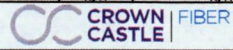
W. AIRPORT BLVD. FROM OLD RICHMOND RD. TO FM 1464
LOOKING WEST

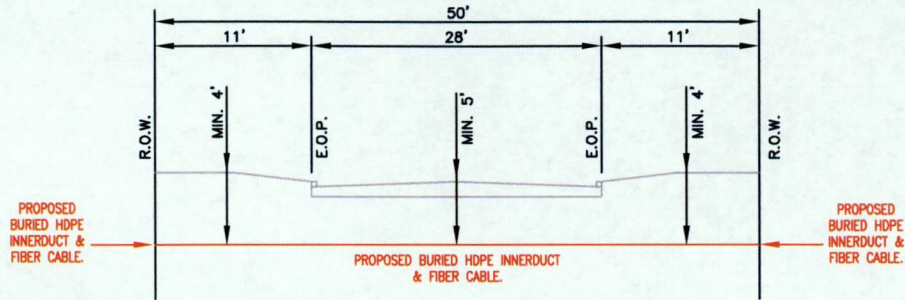
PROFILE SHEET 2

TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PLC# / TOT BUILDING ID: N/A			
PM: RONNIE SHORTHOSE 346-208-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/15/18	FCS	
Revis1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 13
			OF: 17
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			

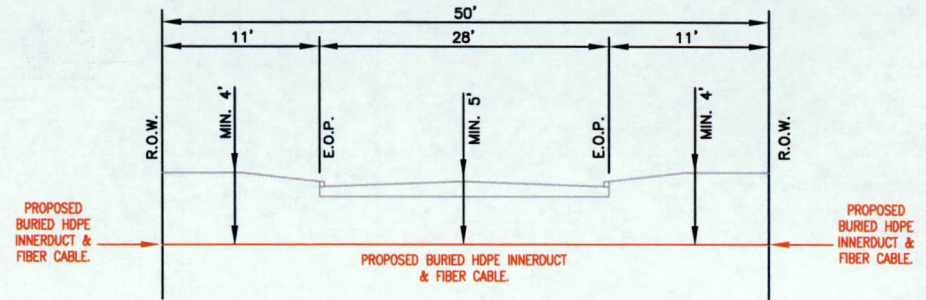


PROFILE SHEET 3

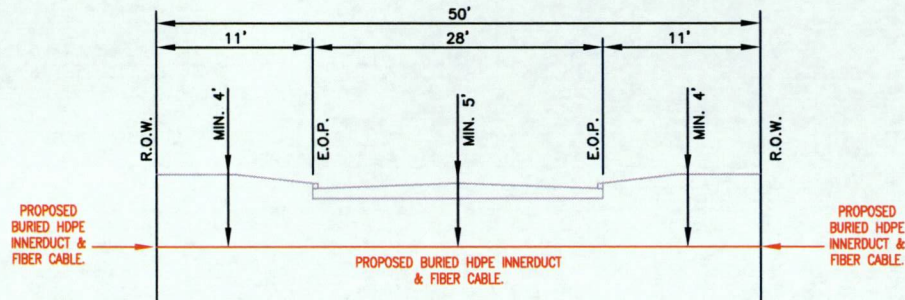
TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PMO# / TGT BUILDING ID: N/A			
PAC RONNIE SHORTHOSE 348-208-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/18/18	FCS	
Revised	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 14
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 17



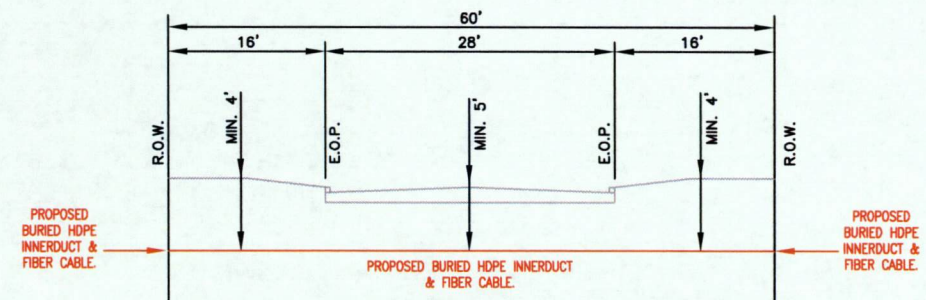
CONCORD FALLS LN. @ W. AIRPORT BLVD.
LOOKING NORTH



DAWNCREST WAY @ W. AIRPORT BLVD.
LOOKING NORTH



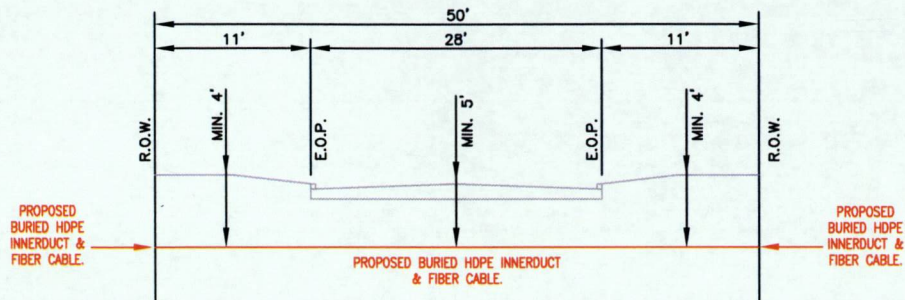
ELWOOD POINT LN. @ W. AIRPORT BLVD.
LOOKING NORTH



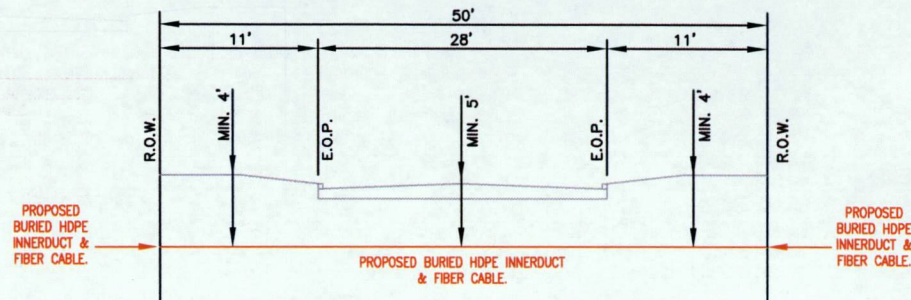
EMBER HOLLOW LN. @ W. AIRPORT BLVD.
LOOKING NORTH

PROFILE SHEET 4

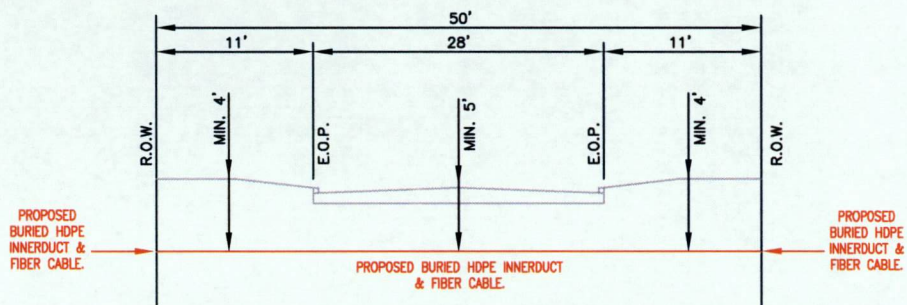
TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 348-206-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/18/18	PCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 15
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 17



FLINT RUN WAY @ W. AIRPORT BLVD.
LOOKING NORTH

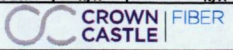


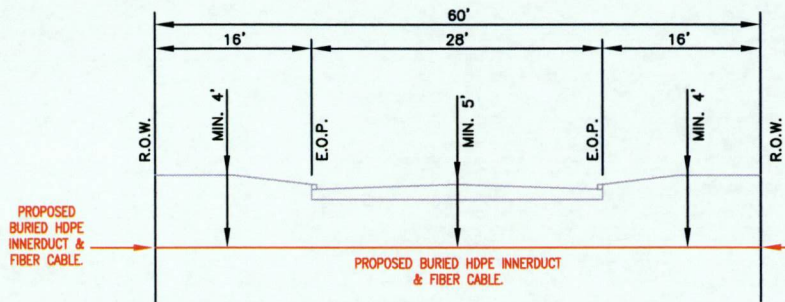
GINGER RUN WAY @ W. AIRPORT BLVD.
LOOKING NORTH



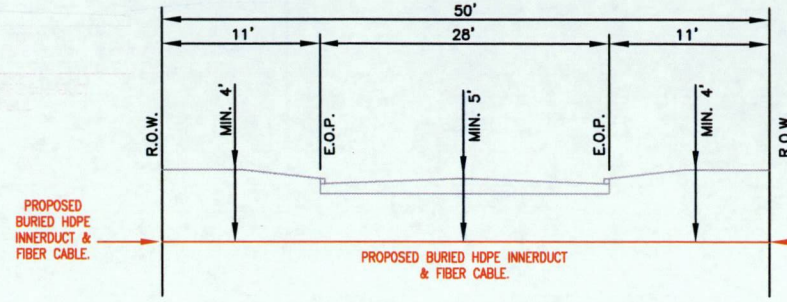
HIDDEN GATE CT. @ W. AIRPORT BLVD.
LOOKING NORTH

PROFILE SHEET 5

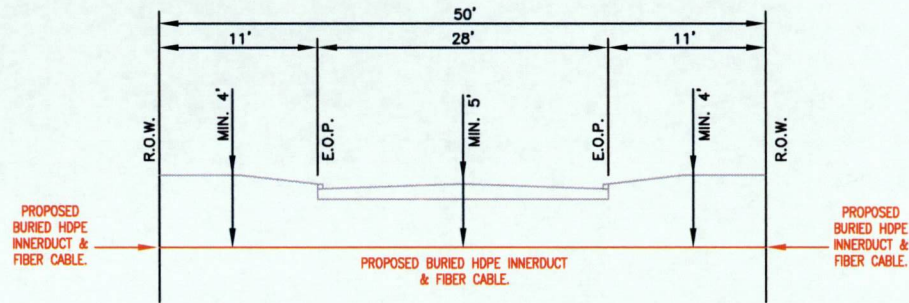
TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2			
LOC: FORT BEND COUNTY, TX			
PMO# / TGT BUILDING ID: N/A			
P.M. RONNIE SHORTHOUSE 348-206-5092			
DWG: Fort Bend - Cluster 47A.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	03/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 16
			OF: 17
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



MAPLE DOWNS LN. @ W. AIRPORT BLVD.
LOOKING NORTH




YABBIE DR. @ W. AIRPORT BLVD.
LOOKING NORTH



BANDICOOT DR. @ W. AIRPORT BLVD.
LOOKING NORTH

PROFILE SHEET 6

TITLE: CLUSTER 47A - FORT BEND COUNTY PERMIT PHASE 2		
LOC: FORT BEND COUNTY, TX		
PMO# / TGT BUILDING ID: N/A		
PM: RONNIE SHORTHOSE 344-208-5092		
DWG: Fort Bend - Cluster 47A.dwg		
DRAWING	DATE	ENG DESIGN
ORIGINAL	03/18/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A
		PAGE: 17
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		OF: 17

**Notes for Figure 6H-1—Typical Application 1
Work Beyond the Shoulder**

Guidance:

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

Option:

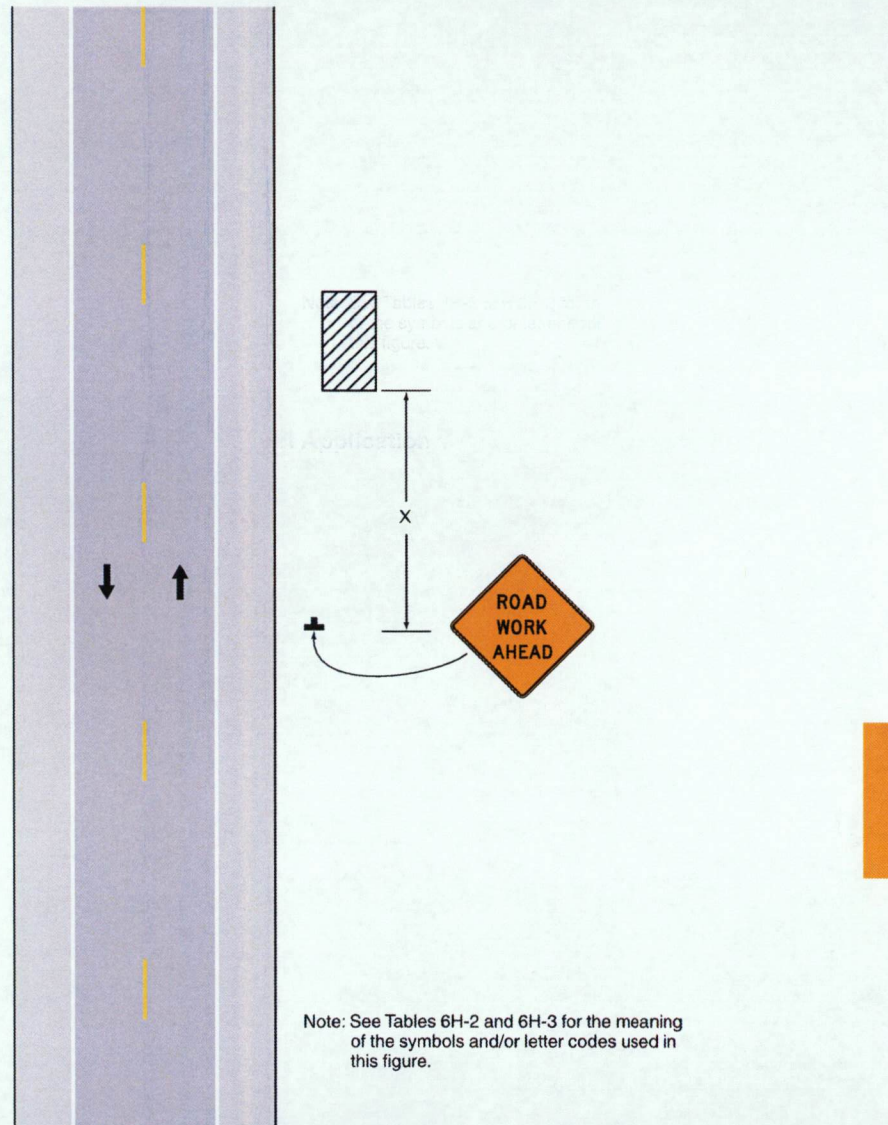
2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**



Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1

**Notes for Figure 6H-3—Typical Application 3
Work on the Shoulders**

Guidance:

1. A *SHOULDER WORK* sign should be placed on the left side of the roadway for a divided or one-way street only if the left shoulder is affected.

Option:

2. The Workers symbol signs may be used instead of *SHOULDER WORK* signs.
3. The *SHOULDER WORK AHEAD* sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.
4. For short duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.
7. When paved shoulders having a width of 8 feet or more are closed, at least one advance warning sign shall be used. In addition, channelizing devices shall be used to close the shoulder in advance to delineate the beginning of the work space and direct vehicular traffic to remain within the traveled way.

Figure 6H-3. Work on the Shoulders (TA-3)

