



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytexas.gov

☒ Right of Way Permit
☐ Commercial Driveway Permit
Permit No: 2018-20346

Applicant: Fibernet Direct Texas LLC

Job Location Site: 7919 W Bellfort Street, Richmond, TX 77469

Bond No. **Date of Bond:** 7/26/2016 **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 22nd day of May, 2018, Upon Motion of Commissioner Meyers, seconded by Commissioner Morales, 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

By:

Sean Eglinton
County Engineer

Presented to Commissioners Court and approved.

Date Recorded 5-25-2018

Comm. Court No. 135

N/A

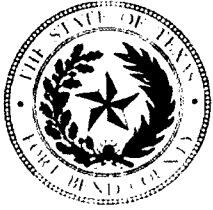
By:

Drainage District Engineer/Manager

Clerk of Commissioners Court

By:

Ronda Walters
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
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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:

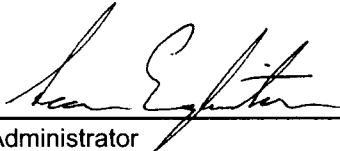
- ☐ County Attorney, approval when applicable.
- ☒ Perpetual bond currently posted. Bond No: [REDACTED] Amount: \$50,000.00
- ☐ Performance bond submitted. Bond No: _____ Amount: _____
- ☐ Cashier's Check Check No: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

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



Permit Administrator

5/14/2018

Date

Fort Bend County

Notice of Construction in Right-of-Way

Cluster 55 - Harlem Rd. & Grand Mission Blvd.

**PROPOSED BORED HDPE INNERDUCT AND FIBER TO BE PLACED
ALONG THE R.O.W. OF HARLEM RD. AND GRAND MISSION BLVD.
FROM W. BELLFORT ST. TO FM 1093**

Cluster 55



SITE LOCATION
KEY MAP: 526 G, L, Q, U & Y

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 11
5. PROJECT SHEET 32
6. PROJECT SHEET 33
7. PROJECT SHEET 34
8. PROJECT SHEET 35
9. PROJECT SHEET 35A (AERIAL IMAGE)
10. PROJECT SHEET 36
11. PROJECT SHEET 37
12. PROJECT SHEET 38
13. PROJECT SHEET 39
14. PROJECT SHEET 39A (AERIAL IMAGE)
15. PROJECT SHEET 40
16. PROJECT SHEET 40A (AERIAL IMAGE)
17. PROJECT SHEET 41
18. PROJECT SHEET 41A (AERIAL IMAGE)
19. PROJECT SHEET 42
20. PROJECT SHEET 42A (AERIAL IMAGE)
21. PROFILE SHEET 1
22. PROFILE SHEET 2
23. PROFILE SHEET 3
24. PROFILE SHEET 4
25. PROFILE SHEET 5
26. PROFILE SHEET 6
27. PROFILE SHEET 7

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 MARK 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. CONTRACTOR WILL IMMEDIATELY NOTIFY THE PROJECT MANAGER PRIOR TO ANY CHANGES REQUESTED 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, 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 IMMEDIATELY PRIOR TO ALL PERFORMED WORK PRIOR TO INVOICING. 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 55 - FORT BEND PERMIT**
Harlem Rd. and Grand Mission Blvd.

LOC: FORT BEND COUNTY		
PMO# / TGT BUILDING ID: N/A		
PM: RONNIE SHORTHOSE 348-208-5092		
DWG: Fort Bend - Harlem-Grand Mission - Cluster 5		
DRAWING	DATE	ENG DESIGN
ORIGINAL	04/18/18	PCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

	CROWN CASTLE FIBER	PAGE: 1
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		OF: 27



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

FORT BEND COUNTY

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

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P.O. BOX 1449, ROSENBERG, TX 77471

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 35 - FORT BEND PERMIT			
LOC: Harlem Rd. and Grand Mission Blvd.			
FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHOSE 349-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 35			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	RCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
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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



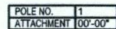
PROPOSED EXTENDED
MESSENGER



OVERHEAD GUY
EXISTING



OVERHEAD GUY
PROPOSED



POLE ATTACHMENT
EXISTING



POLE ATTACHMENT
PROPOSED

P-P= FTG

STRAND FTG. EXISTING

P-P= FTG

STRAND FTG. PROPOSED

MH

0+00
OWNER
MANHOLE
SIZE

MANHOLE
EXISTING

MH

0+00
CC FIBER
MANHOLE
SIZE

MANHOLE
PROPOSED

MH

0+00
OWNER
HANDHOLE
SIZE

HANDHOLE
EXISTING

MH

0+00
CC FIBER
HANDHOLE
SIZE

HANDHOLE
PROPOSED

PB

0+00
OWNER
SIZE

PULLBOX
EXISTING

PB

0+00
CC FIBER
SIZE

PULLBOX
PROPOSED

H-H= FTG

3-1.25"

CONDUIT / INNER-DUCT
FTG. EXISTING

H-H= FTG

3-1.25"

CONDUIT / INNER-DUCT
FTG. PROPOSED

M

0+00
OWNER
OS-5"
COTT

MARKER - EXISTING

M

0+00
CC FIBER
OS-5"
COTT

MARKER - PROPOSED

FTG LOCATION

SIZE

FDP - EXISTING

FTG LOCATION

SIZE

FDP - PROPOSED

FF-FT= FTG

1-1.25"

ISP DUCT FTG. EXISTING

FF-FT= FTG

1-1.25"

ISP DUCT FTG. PROPOSED

PB

0+00
OWNER
SIZE

PULLBOX
EXISTING

PB

0+00
CC FIBER
SIZE

PULLBOX
PROPOSED

SIZE

CABLE SIZE
EXISTING

SIZE

CABLE SIZE
PROPOSED



SLACK LOOP AERIAL
EXISTING



SLACK LOOP AERIAL
PROPOSED



SLACK LOOP UG
EXISTING



SLACK UG
PROPOSED



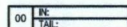
SPLICE CASE
EXISTING



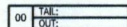
SPLICE CASE
PROPOSED



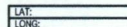
FIBER SIZE
IN-OUT SEQUENTIAL



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
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:

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
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:

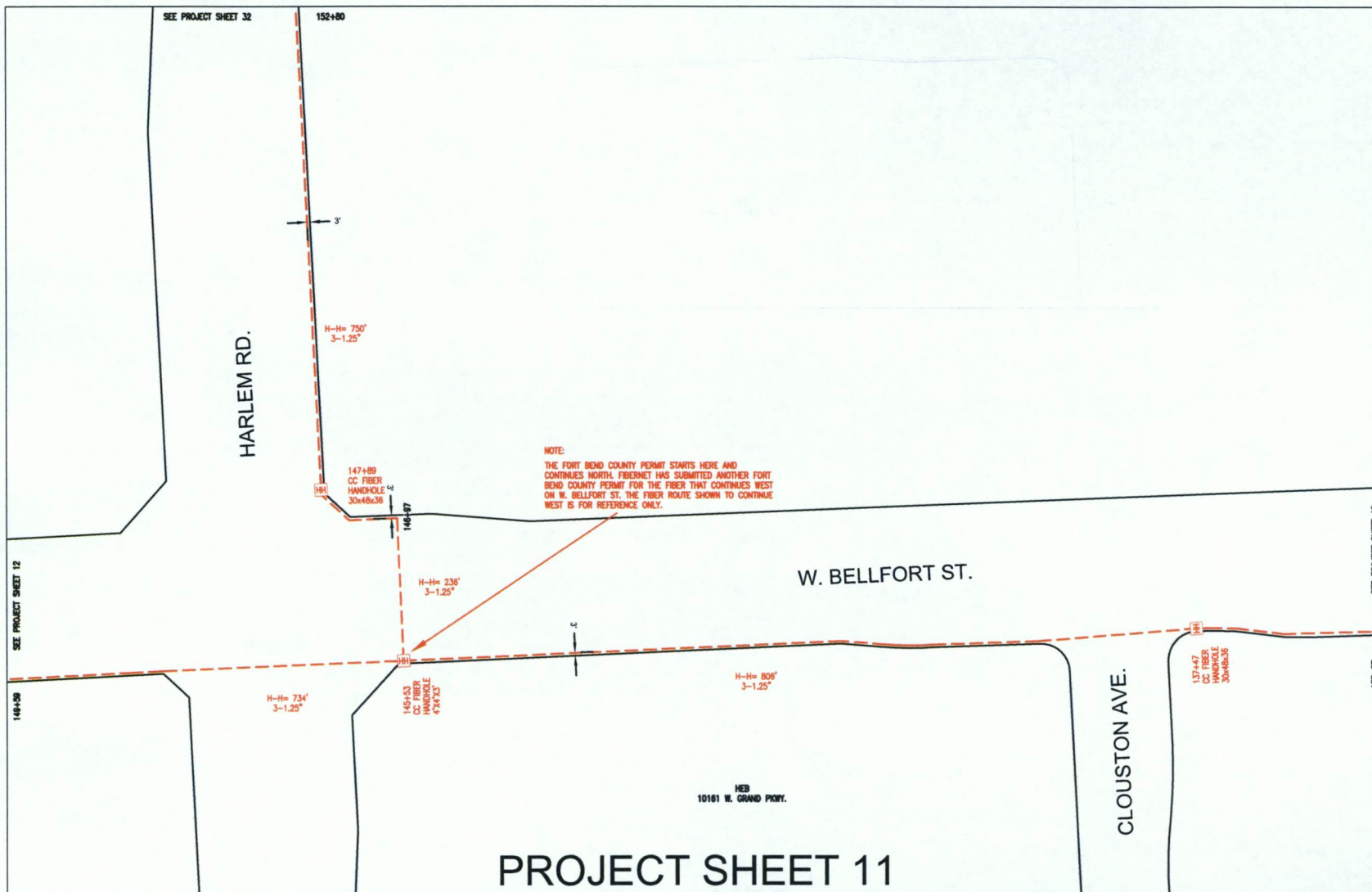
LINETYPES

EOC	EOC	CIVIL - EDGE OF CURB
EOP	EOP	CIVIL - EDGE OF PAVEMENT
PL	PL	CIVIL - PROPERTY LINE
RRW	RRW	CIVIL - RAILROAD TRACKS
RW	RW	CIVIL - RIGHT OF WAY
A	A	P - FIBER - AERIAL - EXISTING
A	A	P - FIBER - AERIAL - PROPOSED
A	A	P - FIBER - ISP - EXISTING
A	A	P - FIBER - ISP - PROPOSED
ABAN	ABAN	P - FIBER ABANDON
FX	FX	P - FIBER REMOVE
FX	FX	P - STRAND EXISTING
FX	FX	P - STRAND PROPOSED
FX	FX	P - STRAND-DEMO
FX	FX	P - DUCT ISP EXISTING
FX	FX	P - DUCT ISP PROPOSED
FX	FX	P - FIBER - BURIED - EXISTING
FX	FX	P - FIBER - BURIED - PROPOSED
FX	FX	P - DUCT EXISTING
FX	FX	P - DUCT PROPOSED
G	G	UTILITIES - GAS
SS	SS	UTILITIES - SANITARY SEWER
SL	SL	UTILITIES - STORM
W	W	UTILITIES - WATER



Know what's below.
Call before you dig.

TITLE: CLUSTER 55 - FORT BEND PERMIT			
LOC: Hartem Rd. and Grand Mission Blvd.			
FORT BEND COUNTY			
PMO / TGT BUILDING ID: N/A			
PA: RONNIE SHORTT 346-206-5092			
DWG: Fort Bend - Hartem-Grand Mission - Cluster 5			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Revised	N/A	N/A	
AS-BUILT	N/A	N/A	
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NOTE:
THE FORT BEND COUNTY PERMIT STARTS HERE AND
CONTINUES NORTH. FIBERNET HAS SUBMITTED ANOTHER FORT
BEND COUNTY PERMIT FOR THE FIBER THAT CONTINUES WEST
ON W. BELLFORT ST. THE FIBER ROUTE SHOWN TO CONTINUE
WEST IS FOR REFERENCE ONLY.

CONSTRUCTION NOTES

FORT BEND COUNTY

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

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- PERMIT ADMINISTOR/FORT BEND COUNTY ENGINEERING
P.O. BOX 1449, ROSENBERG, TX 77471

PROJECT CONSTRUCTION NOTES:

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 1/4" HDPE HANDDUCTS AND ONE FIBER CABLE.
2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.



TITLE: CLUSTER 55 - FORT BEND PERMIT			
Loc: Harlem Rd. and Grand Mission Blvd.			
FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: ROANNE SHORRHOES 140-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 4
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CONSTRUCTION NOTES

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
PERMIT ADMINISTRATOR
FORT BEND COUNTY ENGINEERING
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P.O. BOX 1449, ROSENBERG, TX 77471

PROJECT CONSTRUCTION NOTES:

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1" HOPE INNERDUCTS AND ONE FIBER CABLE.
2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

CAUTION
HOUSTON PIPELINE
CO.
GAS PIPELINE
800-392-1965

HARLEM RD.

SEE PROJECT SHEET 32

166+42

171+30
CC FIBER
HANDHOLE
30"x48"x36"

H-H= 800'
3'-1.25"

174+30
CC FIBER
HANDHOLE
30"x48"x36"

H-H= 835'
3'-1.25"

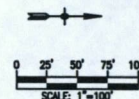
SEE PROJECT SHEET 34

180+84

PROJECT SHEET 33



Know what's below.
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TITLE: CLUSTER 55 - FORT BEND PERMIT

LOC: Harlem Rd. and Grand Mission Blvd.

FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHORSE 348-208-5692

DWG: Fort Bend - Harlem - Grand Mission - Cluster 55

DRAWING DATE ENG DESIGN

ORIGINAL 04/18/18 PCS

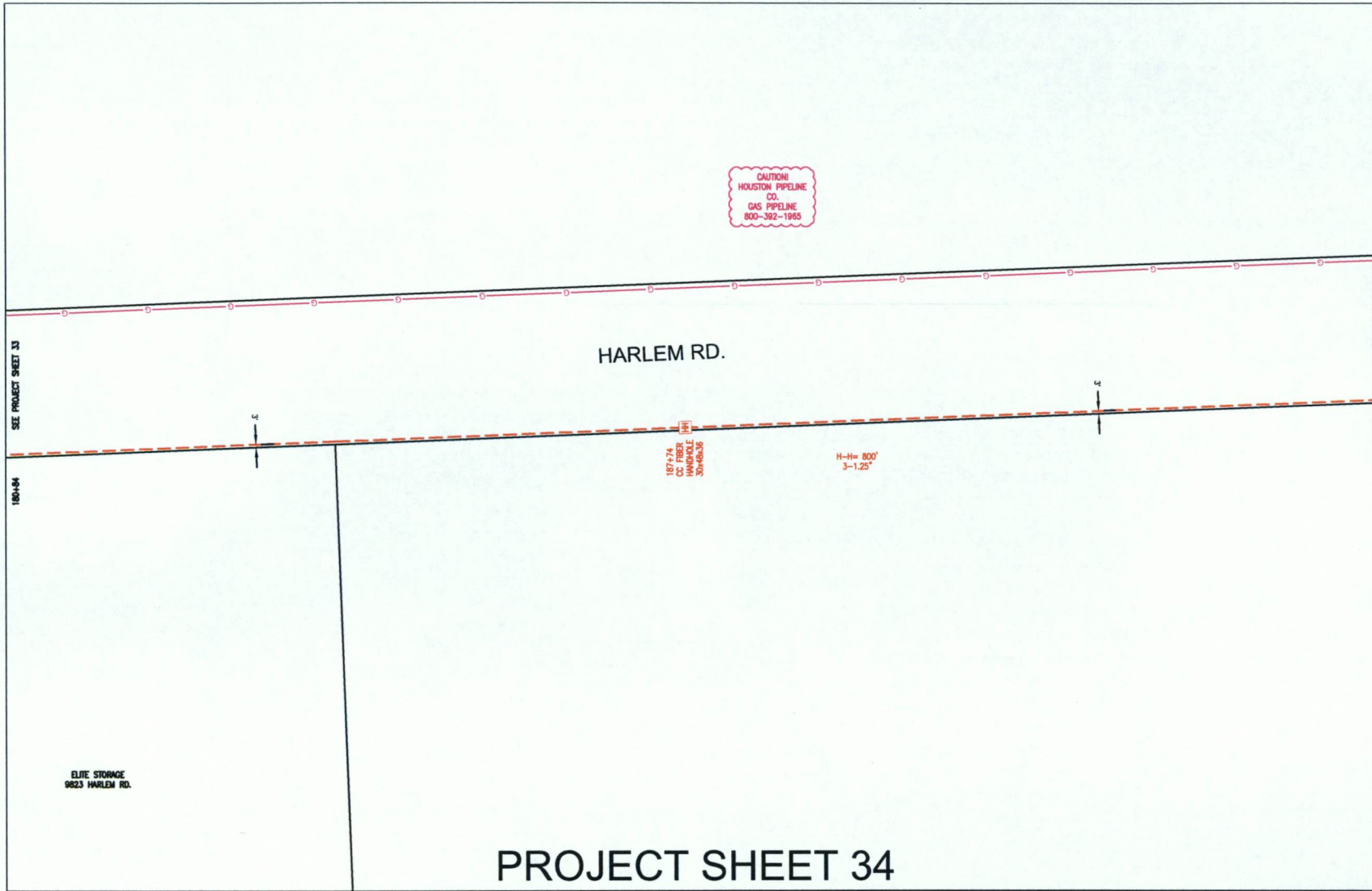
Rev#1 N/A N/A

AS-BUILT N/A N/A

CC CROWN CASTLE FIBER

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER

PAGE: 6
OF: 27



PROJECT SHEET 34

CONSTRUCTION NOTES

FORT BEND COUNTY
CARMEN ESCOBAR, CFM
PERMIT ADMINISTER
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

- 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 CABLE.
 2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
 3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

TITLE: CLUSTER 55 - FORT BEND PERMIT			
Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PME RONNIE SHORTHORSE 348-208-5092			
DWG: Fort Bend - Harlem - Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	

PAGE: 7

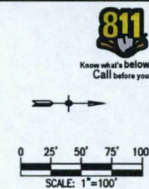
OF: 27

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



PROJECT SHEET 35A - AERIAL IMAGE FOR REFERENCE ONLY

NOTE:
EXISTING PARCELS & RIGHT OF WAY ARE
BASED ON F.B.C.A.D. GIS MAP. AERIAL
IMAGES ARE FROM BING MAPS. THE
AERIAL IMAGE WITH THE DESIGN IS FOR
REFERENCE ONLY. THE CONTRACTOR SHALL
VERIFY THE ROAD RIGHT OF WAY AND
EASEMENTS PRIOR TO COMMENCING WORK.



CONSTRUCTION NOTES

FORT BEND COUNTY

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

WRITTEN NOTICES ARE REQUIRED:

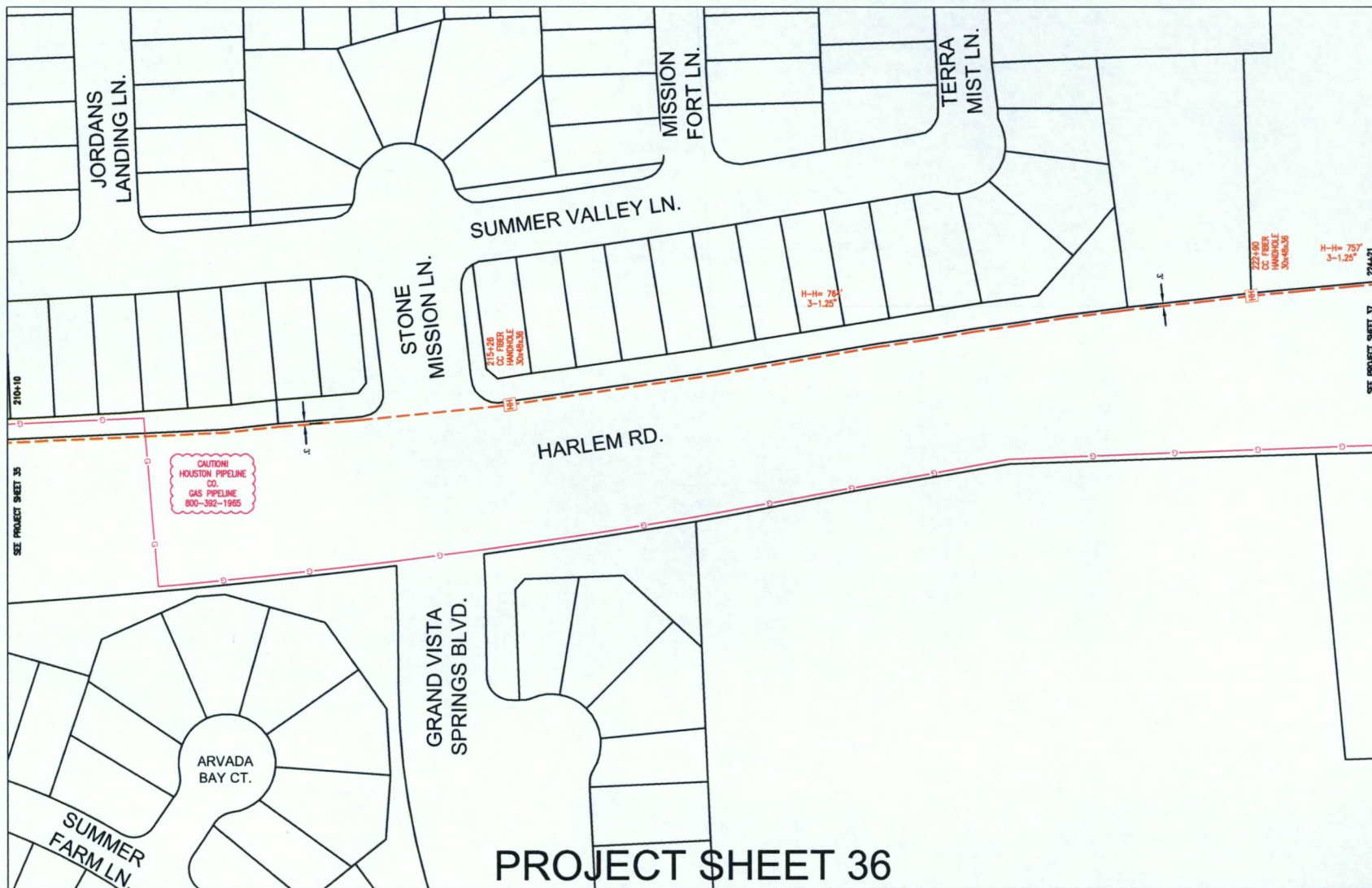
1. 48 HOURS IN ADVANCE OF START OF CONSTRUCTION.
2. WHEN CONSTRUCTION IS COMPLETE AND READY FOR FINAL INSPECTION, MAIL TO:

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

PROJECT CONSTRUCTION NOTES:

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 1/2" HDPE INNERDUCTS AND ONE FIBER CABLE.
2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
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TITLE: CLUSTER 55 - FORT BEND PERMIT			
Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM RONNIE SHORTHORSE 348-206-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER		PAGE:	9
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		OF:	27



CONSTRUCTION NOTES

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

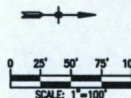
PROJECT CONSTRUCTION NOTES:

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAN WILL INDICATE BORING THREE 1 1/2" HDPE INNERDUCTS AND ONE FIBER CABLE.
2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

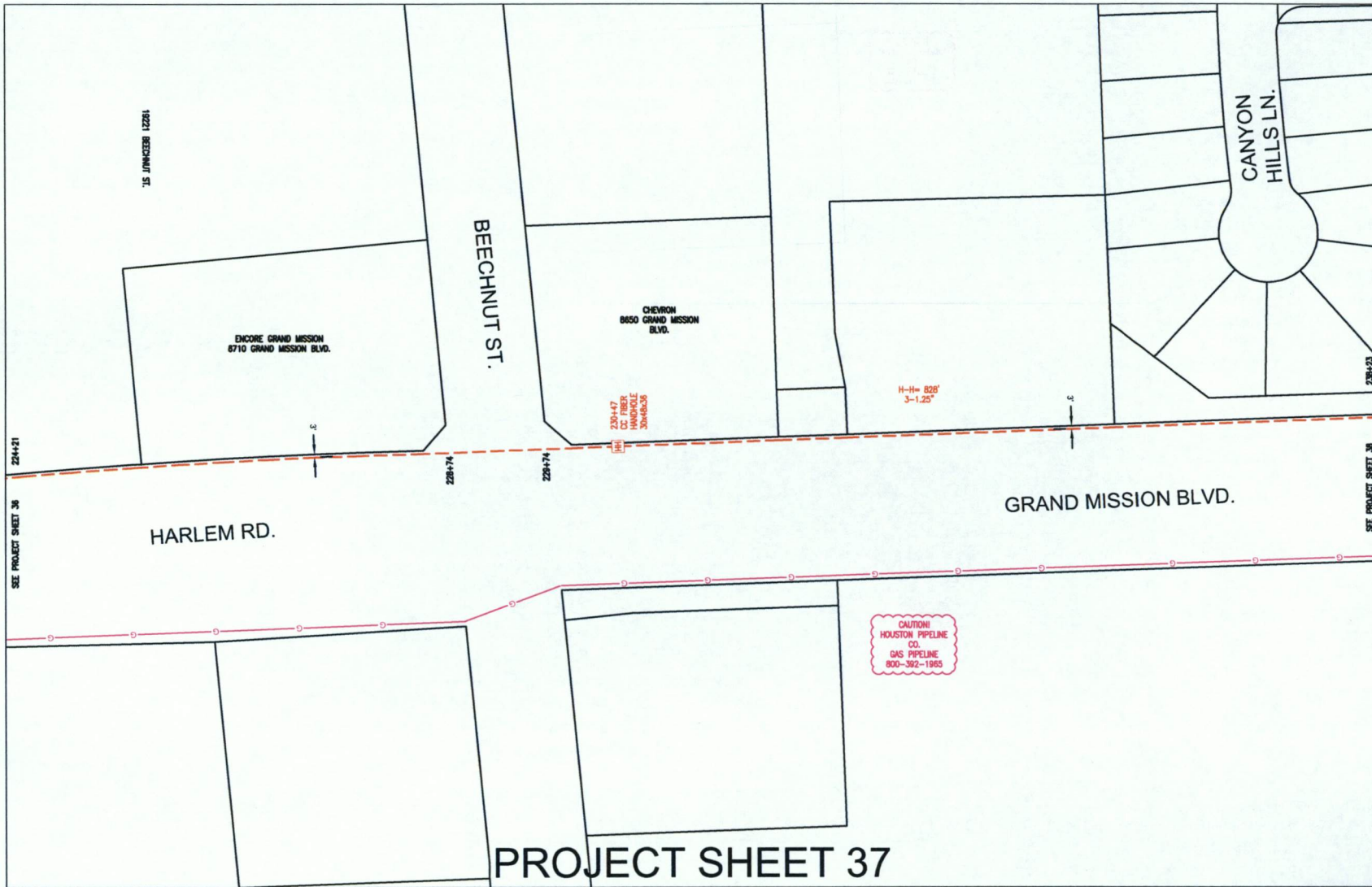
PROJECT SHEET 36



Know what's below.
Call before you dig.



TITLE: CLUSTER 55 - FORT BEND PERMIT			
Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMOW / TGT BUILDING ID: N/A			
P12 RONNIE SHORTHOSE 348-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 5			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 10
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27



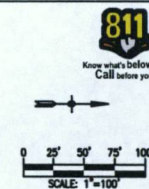
CONSTRUCTION NOTES

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

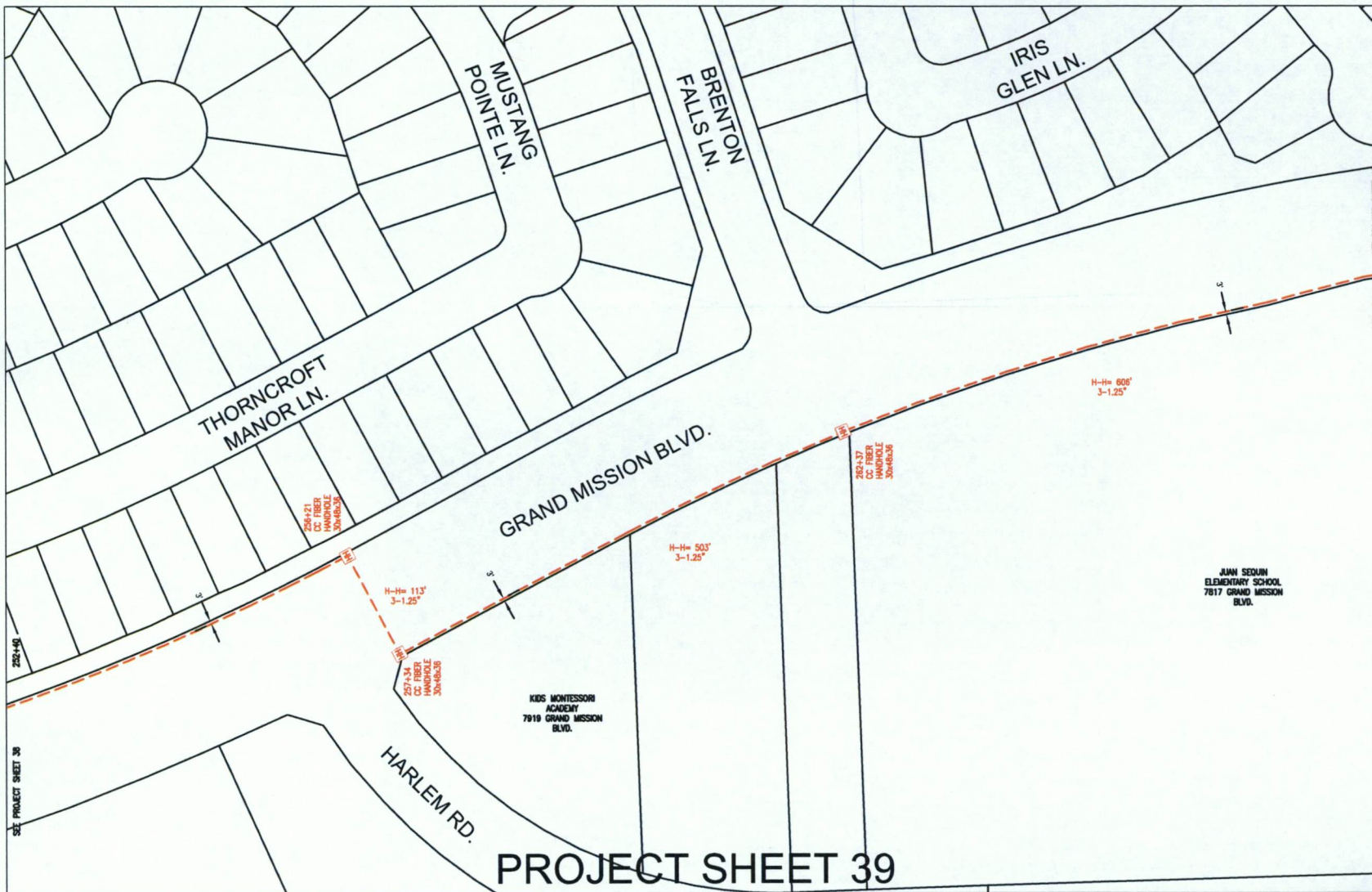
- PROJECT CONSTRUCTION NOTES:
1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAN WILL INDICATE BORING THREE 1" HOPE MINERALS AND ONE FIBER CABLE.
 2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
 3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

CAUTION!
 HOUSTON PIPELINE CO.
 GAS PIPELINE
 800-392-1955

PROJECT SHEET 37



TITLE: CLUSTER 55 - FORT BEND PERMIT Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
FAC. NAME: SHORTHORSE 340-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 5			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 11
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27



CONSTRUCTION NOTES

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

PROJECT CONSTRUCTION NOTES:

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 1/4" HDPE INNERDUCTS AND ONE FIBER CABLE.
2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

252+40

SEE PROJECT SHEET 38

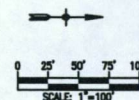
SEE PROJECT SHEET 40

268+12

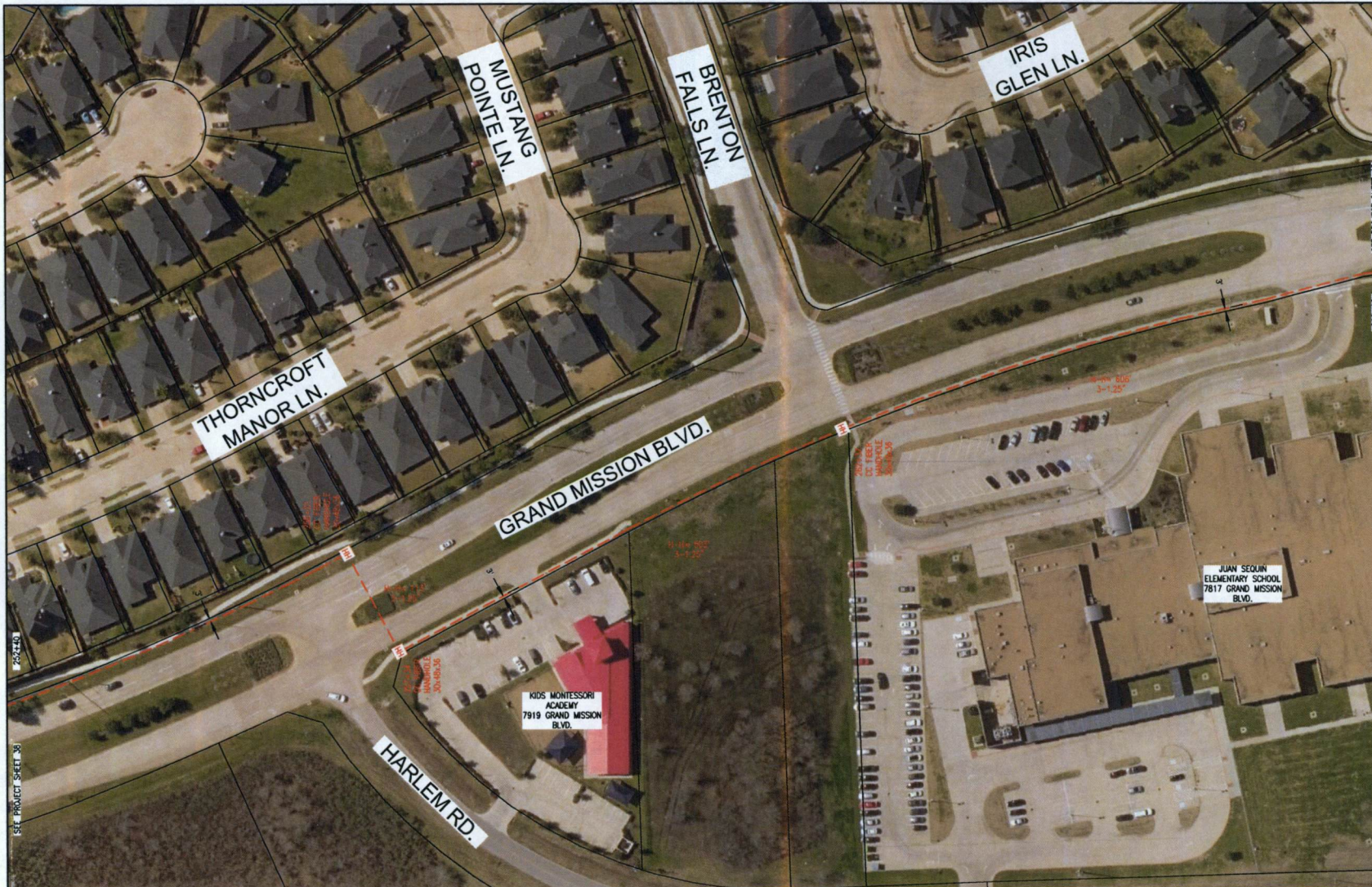
PROJECT SHEET 39



Know what's below.
Call before you dig.

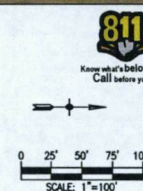


TITLE: CLUSTER 55 - FORT BEND PERMIT Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PNCB/TGT BUILDING ID: N/A			
PNCB/RNINE SHORTCUTS: 340-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 13
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27



PROJECT SHEET 39A - AERIAL IMAGE FOR REFERENCE ONLY

NOTE:
EXISTING PARCELS & RIGHT OF WAY ARE
BASED ON F.B.C.A.D. GIS MAP. AERIAL
IMAGES ARE FROM BING MAPS. THE
AERIAL IMAGE WITH THE DESIGN IS FOR
REFERENCE ONLY. THE CONTRACTOR SHALL
VERIFY THE ROAD RIGHT OF WAY AND
EASEMENTS PRIOR TO COMMENCING WORK.

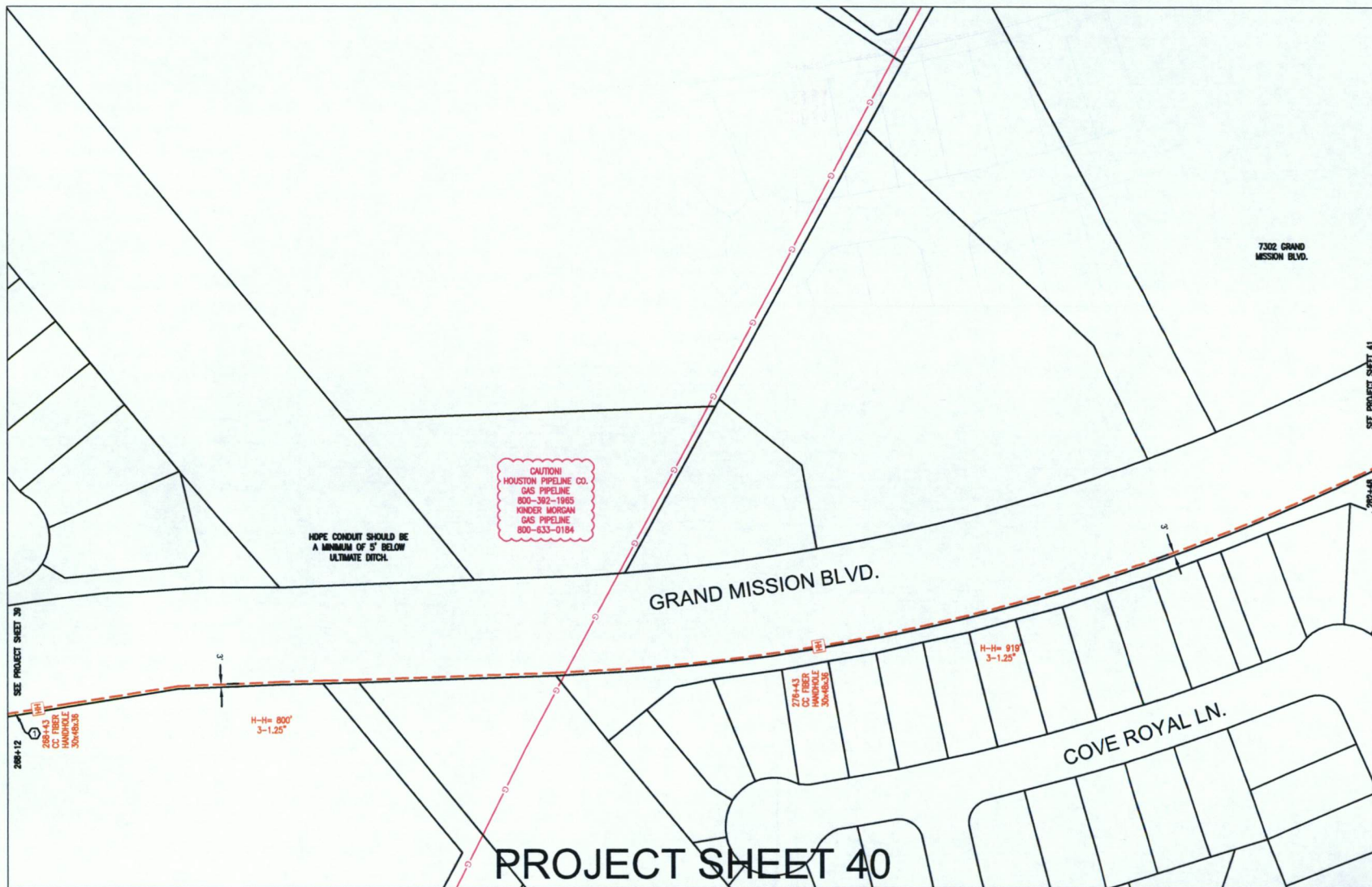


CONSTRUCTION NOTES

FORT BEND COUNTY
CARMEN ESCOBAR, CFM
PERMIT ADMINISTRATOR
FORT BEND COUNTY ENGINEERING
281-633-7800
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

- PROJECT CONSTRUCTION NOTES:
1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED
ON THIS PLAN WILL INDICATE BORING THREE 1 1/2"
HOLE, MINIMUMS AND ONE FIBER CABLE.
 2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES
UNDER NATURAL GROUND AND UNDER PAVEMENT
(INCLUDING ALL PUBLIC CROSS STREETS).
 3. ALL PROPOSED HAND HOLES ARE 30"x48"x36"
WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE
INDICATED.

TITLE: CLUSTER 55 - FORT BEND PERMIT Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM RONNIE SHORTHORSE, 346-206-5092			
DWG: Fort Bend - Harlem - Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 14
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27



CONSTRUCTION NOTES

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

- PROJECT CONSTRUCTION NOTES:
1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAN WILL INDICATE BORING THREE 1" X 1" HOPE INNERDUCTS AND ONE FIBER CABLE.
 2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
 3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

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

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

TITLE: CLUSTER 55 - FORT BEND PERMIT
Harlem Rd. and Grand Mission Blvd.

LOC: FORT BEND COUNTY

PMOR / TGT BUILDING ID: N/A

PM: RONNIE SHORTHOUSE 348-208-5092

DRWG: FORT Bend - Harlem - Grand Mission - Cluster 55

DRAWING	DATE	ENG DESIGN
ORIGINAL	04/18/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

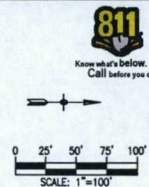
PAGE: 15
OF: 27

CROWN FIBER CASTLE
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



PROJECT SHEET 40A - AERIAL IMAGE FOR REFERENCE ONLY

NOTE:
EXISTING PARCELS & RIGHT OF WAY ARE
BASED ON F.B.C.A.D. GIS MAP. AERIAL
IMAGES ARE FROM BING MAPS. THE
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EASEMENTS PRIOR TO COMMENCING WORK.



CONSTRUCTION NOTES

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 1448, ROSENBERG, TX 77471

PROJECT CONSTRUCTION NOTES:

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAN WILL INDICATE BORING THREE 1 1/2" HOPE MINERACTS AND ONE FIBER CABLE.
2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

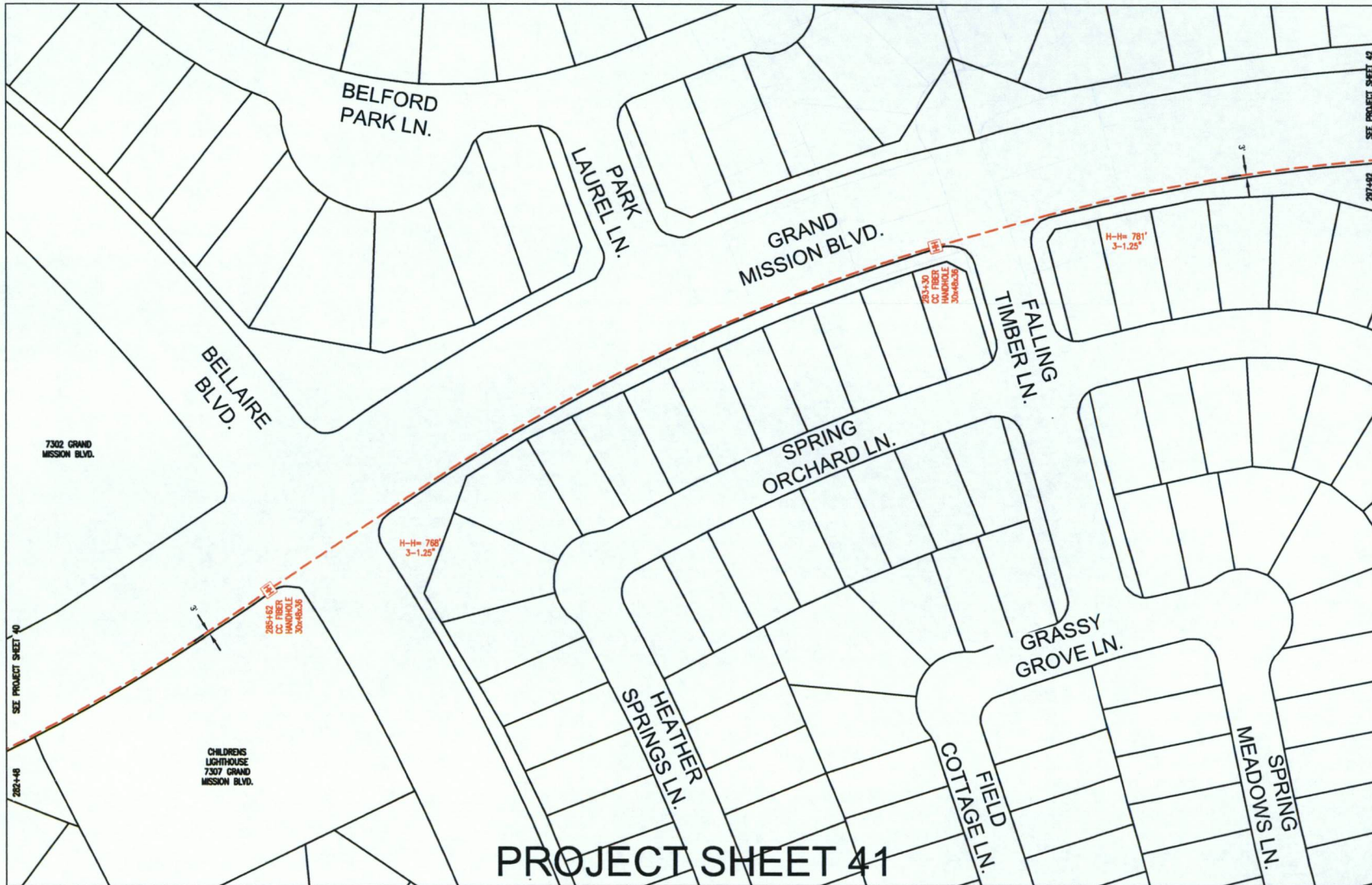
SEE PROJECT SHEET 41

2024-08

SEE PROJECT SHEET 39

2024-08

TITLE: CLUSTER 55 - FORT BEND PERMIT			
Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMOR / TGT BUILDING ID: N/A			
PM RONNIE SHORTHORSE 346-208-5092			
DIV: Fort Bend - Harlem - Grand Mission - Cluster 5			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN FIBER CASTLE			PAGE: 16
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27



CONSTRUCTION NOTES

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

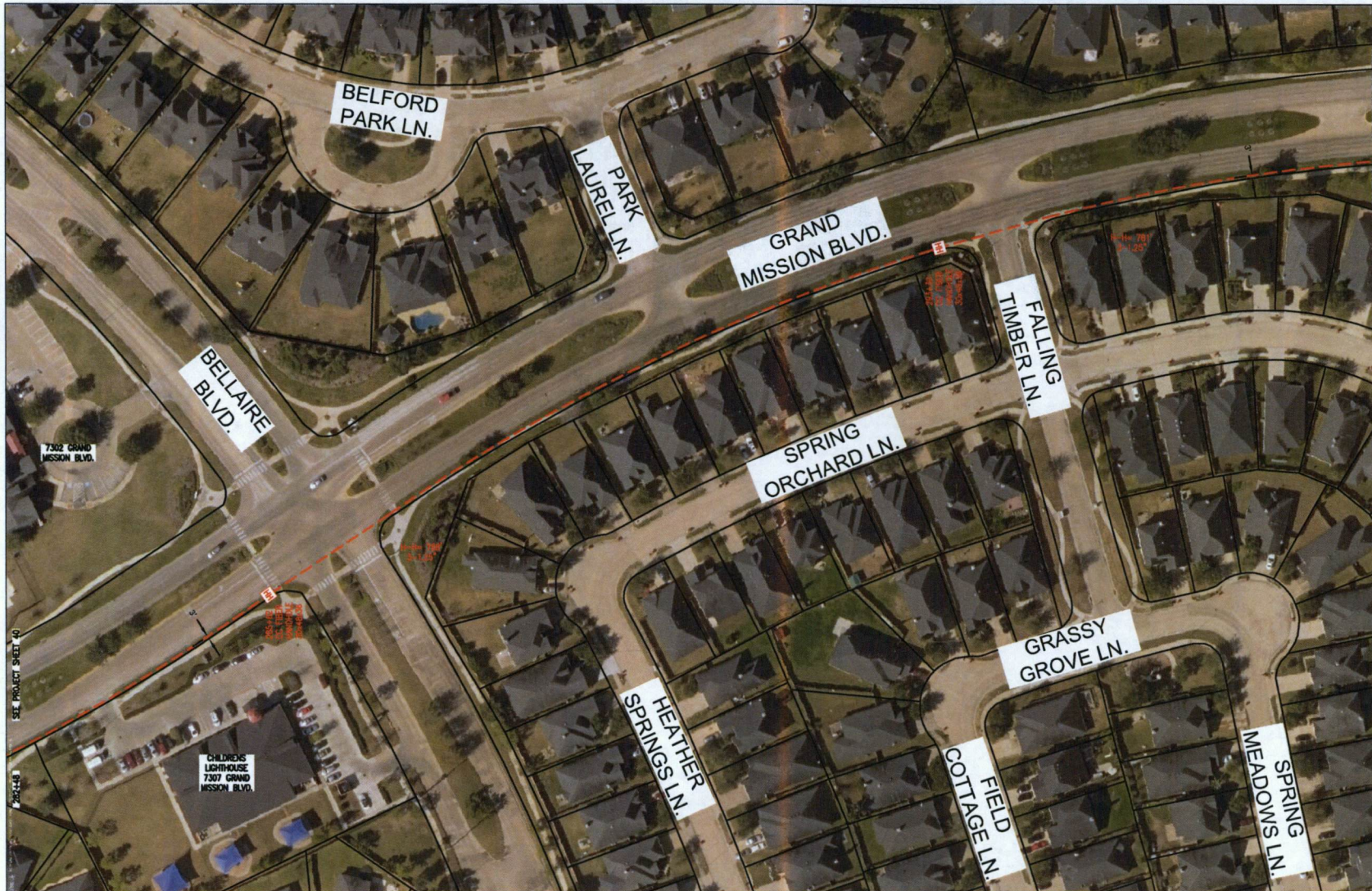
WRITTEN NOTICES ARE REQUIRED:

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

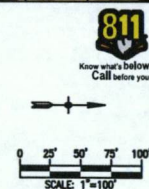
- PROJECT CONSTRUCTION NOTES:
1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 1/2" HDPE INNERDUCTS AND ONE FIBER CABLE.
 2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS).
 3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

TITLE: CLUSTER 55 - FORT BEND PERMIT			
Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PME RONNIE SHORTHOUSE 348-208-5092			
LYC: Fort Bend - Harlem - Grand Mission - Cluster 5			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN FIBER CASTLE		PAGE: 17	OF: 27
PROPRIETARY INFORMATION OF CROWN FIBER			



NOTE:
EXISTING PARCELS & RIGHT OF WAY ARE
BASED ON F.B.C.A.D. GIS MAP. AERIAL
IMAGES ARE FROM BING MAPS. THE
AERIAL IMAGE WITH THE DESIGN IS FOR
REFERENCE ONLY. THE CONTRACTOR SHALL
VERIFY THE ROAD RIGHT OF WAY AND
EASEMENTS PRIOR TO COMMENCING WORK.

PROJECT SHEET 41A - AERIAL IMAGE FOR REFERENCE ONLY



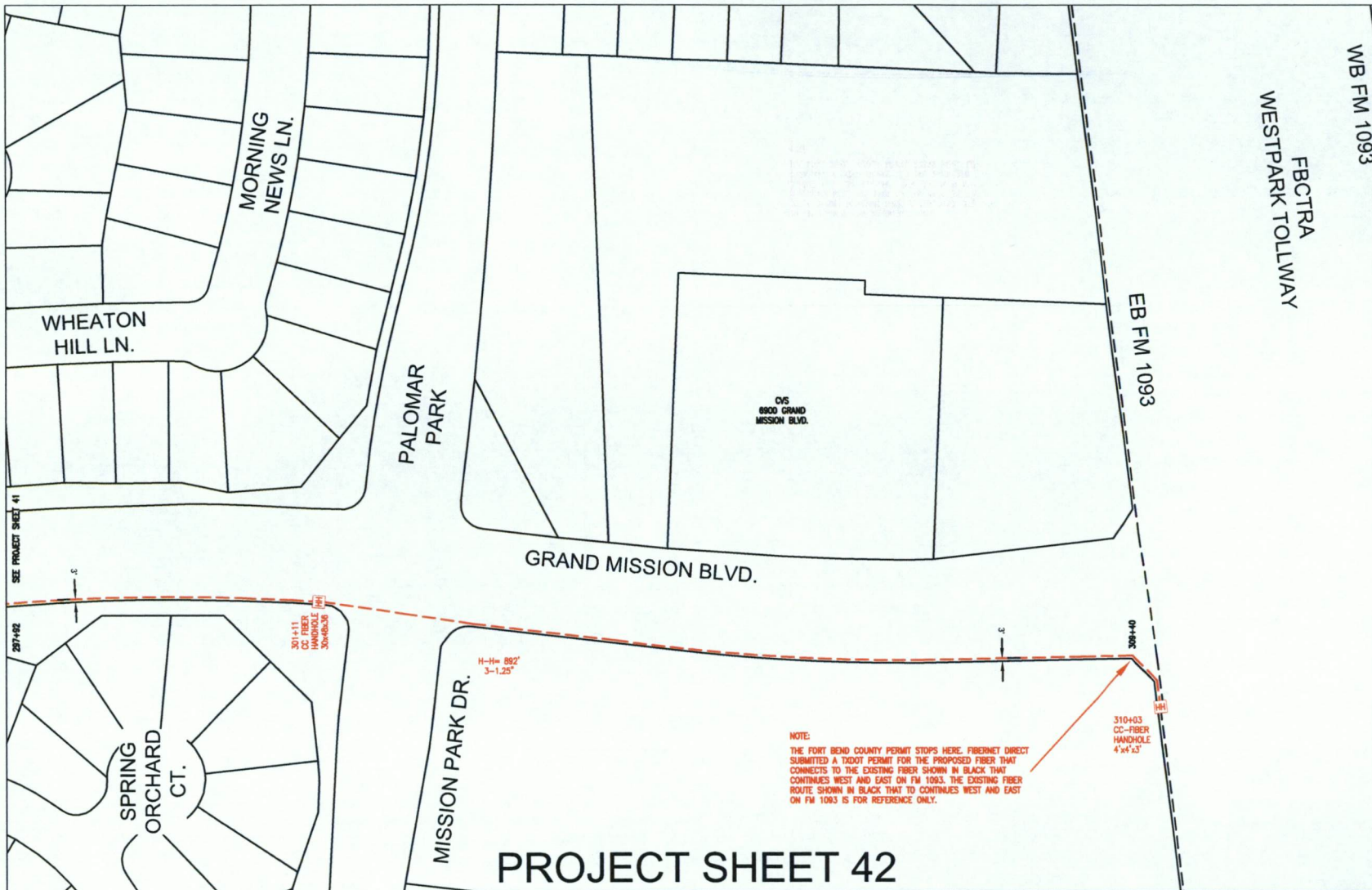
CONSTRUCTION NOTES

FORT BEND COUNTY
CARMEN ESCOBAR, CFM
PERMIT ADMINISTER
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 ADMINISTER/FORT BEND COUNTY ENGINEERING
P.O. BOX 1449, ROSENBERG, TX 77471

PROJECT CONSTRUCTION NOTES:

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED
ON THIS PLAT WILL INDICATE BORING THREE 1/2"
HOLE INDUCTS AND ONE FIBER CABLE.
2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES
UNDER NATURAL GROUND AND UNDER PAVEMENT
(INCLUDING ALL PUBLIC CROSS STREETS).
3. ALL PROPOSED HAND HOLES ARE 30"x48"x36"
WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE
INDICATED.

TITLE: CLUSTER 55 - FORT BEND PERMIT			
LOC: Hartem Rd. and Grand Mission Blvd.			
FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 346-206-6092			
DWG: Fort Bend - Hartem - Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 18
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27

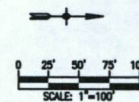


CONSTRUCTION NOTES

FORT BEND COUNTY
 CARMEN ESCOBAR, CFM
 PERMIT ADMINISTRATOR
 FORT BEND COUNTY ENGINEERING
 281-633-7503
 WRITTEN NOTICES ARE REQUIRED:
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 PERMIT ADMINISTRATOR/FORT BEND COUNTY ENGINEERING
 P.O. BOX 1449, ROSENBERG, TX 77471

PROJECT CONSTRUCTION NOTES:
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 3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

NOTE:
 THE FORT BEND COUNTY PERMIT STOPS HERE. FIBERNET DIRECT SUBMITTED A TxDOT PERMIT FOR THE PROPOSED FIBER THAT CONNECTS TO THE EXISTING FIBER SHOWN IN BLACK THAT CONTINUES WEST AND EAST ON FM 1093. THE EXISTING FIBER ROUTE SHOWN IN BLACK THAT CONTINUES WEST AND EAST ON FM 1093 IS FOR REFERENCE ONLY.



TITLE: CLUSTER 55 - FORT BEND PERMIT Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PMT MONITOR SHORTHOUSE: 348-208-5092			
CIVIC: Fort Bend - Harlem - Grand Mission - Cluster 5			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN FIBER CASTLE			PAGE: 19
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27



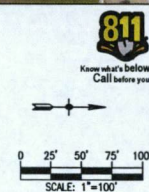
CONSTRUCTION NOTES

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

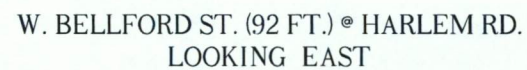
- PROJECT CONSTRUCTION NOTES:
1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 1/2" HDPE INNERDUCTS AND ONE FIBER CABLE.
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NOTE:
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
PROJECT SHEET 42A - AERIAL IMAGE FOR REFERENCE ONLY

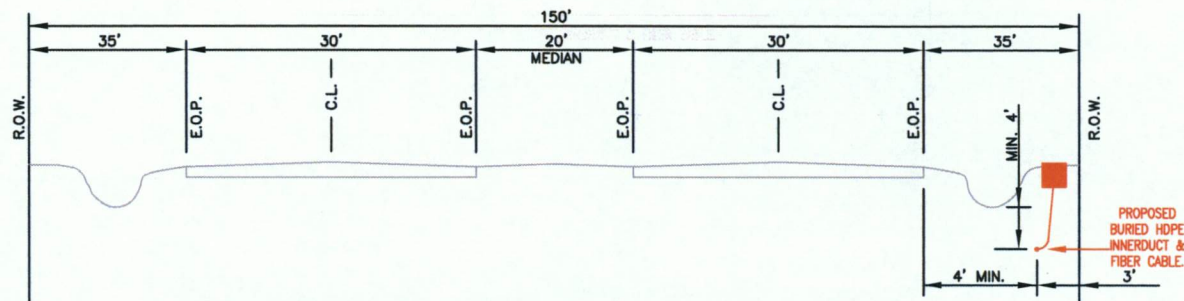


TITLE: CLUSTER 55 - FORT BEND PERMIT Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 346-206-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 20
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27

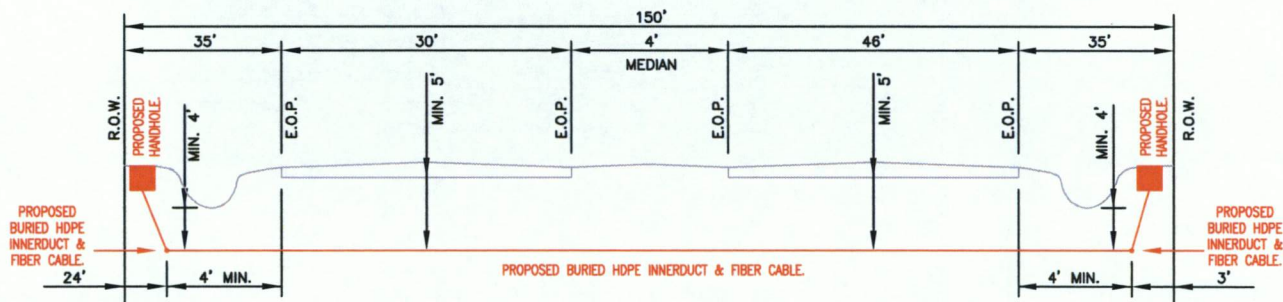


PROFILE SHEET 1

TITLE: CLUSTER 55 - FORT BEND PERMIT		PAGE:	
LOC: Harlem Rd. and Grand Mission Blvd.		21	
FORT BEND COUNTY		OF:	
PMC# / TGT BUILDING ID: N/A		27	
PM: RONNIE SHORTHORSE 348-206-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING: 04/18/18		ENC DESIGN	
Rev#1		FCS	
AS-BUILT		N/A	
 CROWN CASTLE FIBER			
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



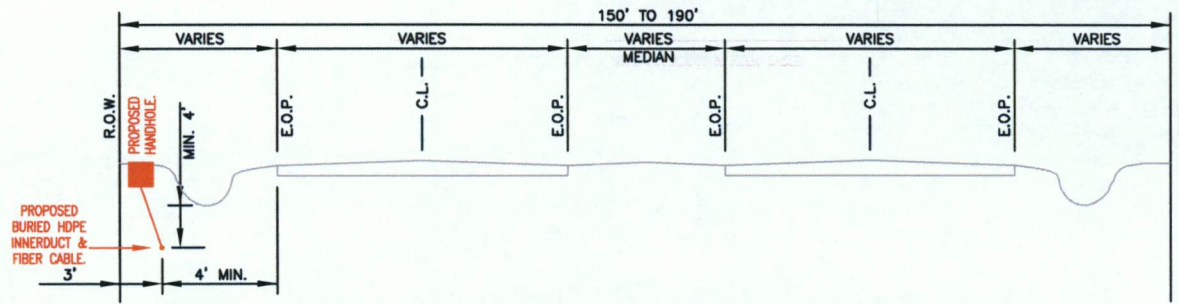
HARLEM RD. FROM W. BELLFORT ST. TO STA. NO. 203+74
LOOKING NORTH



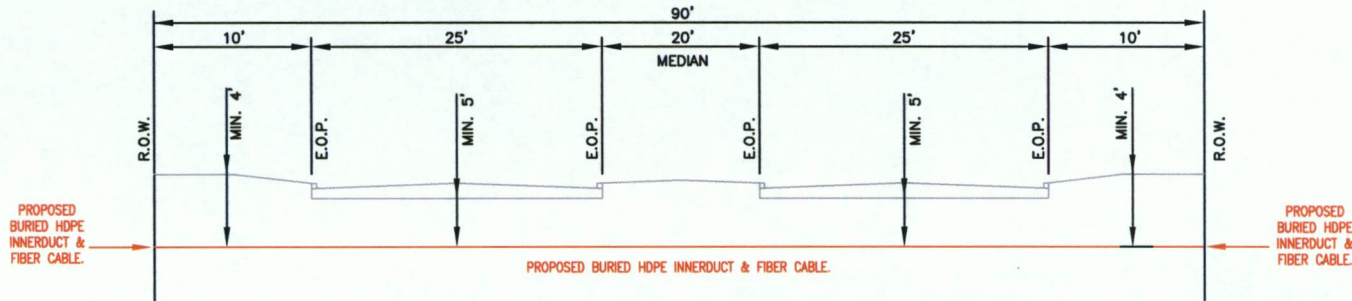
HARLEM RD. FROM STA. NO. 203+74 TO STA. NO. 204+96
LOOKING NORTH

PROFILE SHEET 2

TITLE: CLUSTER 55 - FORT BEND PERMIT			
Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PME RONNIE SHORTHORSE 346-208-5092			
DWG: Fort Bend - Harlem - Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN FIBER CASTLE			PAGE: 22
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27



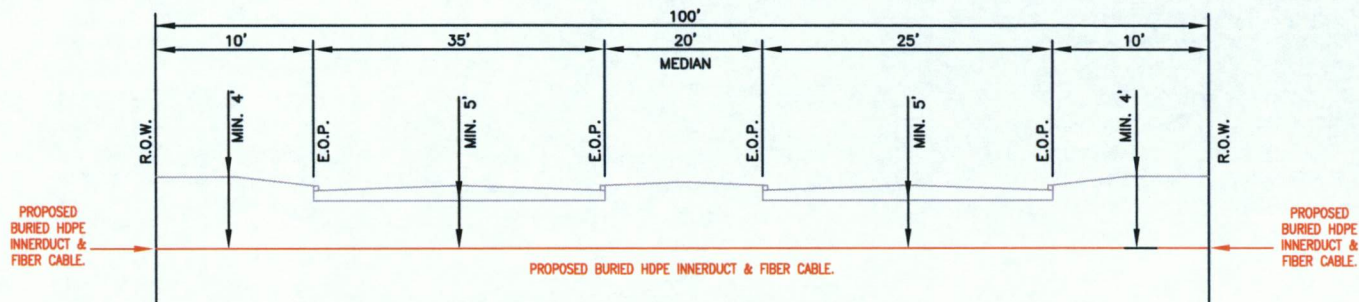
HARLEM RD. FROM STA. NO. 204+96 TO BEECHNUT ST.
LOOKING NORTH



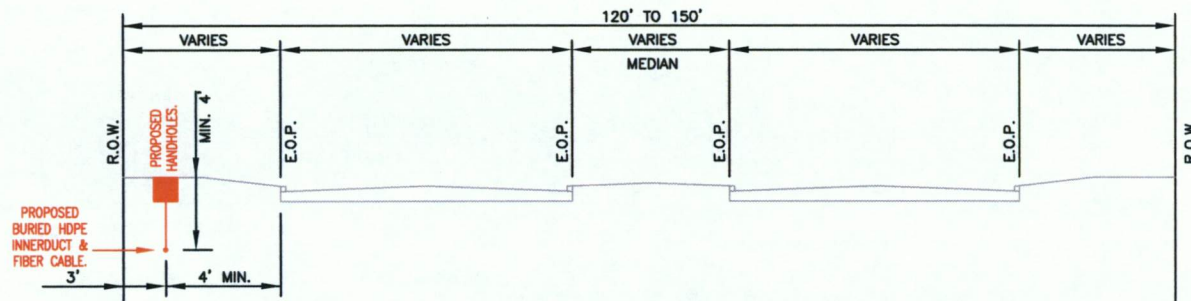
STONE MISSION LN. @ HARLEM RD.
LOOKING WEST

PROFILE SHEET 3

TITLE: CLUSTER 55 - FORT BEND PERMIT			
Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMOW / TGT BUILDING ID: N/A			
PIL: RONNIE SHORTHORSE 348-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 23
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27



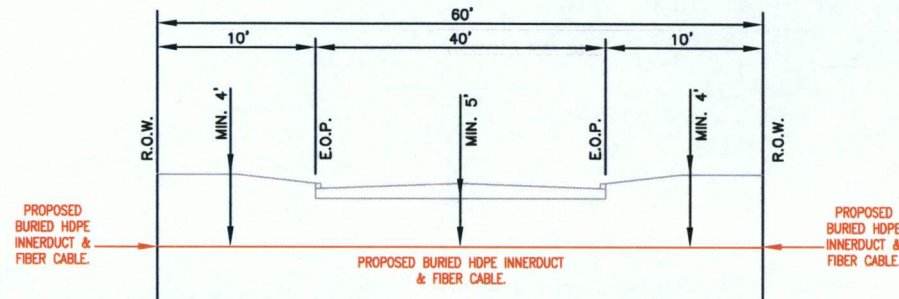
BEECHNUT ST. @ HARLEM RD.
LOOKING WEST



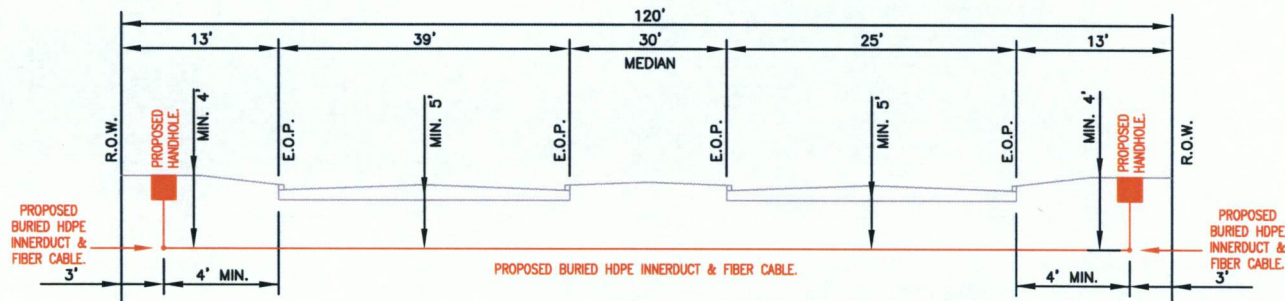
GRAND MISSION BLVD. FROM BEECHNUT ST. TO STA. NO. 256+21
LOOKING NORTH

PROFILE SHEET 4

TITLE: CLUSTER 55 - FORT BEND PERMIT			
Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PAL RONNIE SHORTHOSE 348-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
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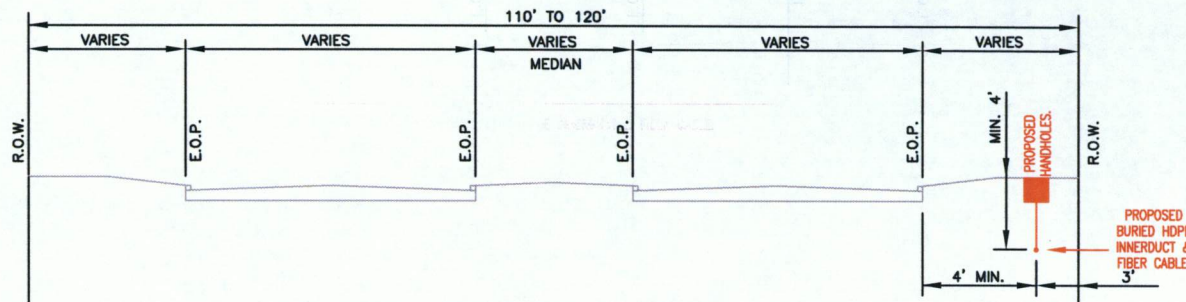
HARPERS LANDING LN. @ GRAND MISSION BLVD.
LOOKING WEST



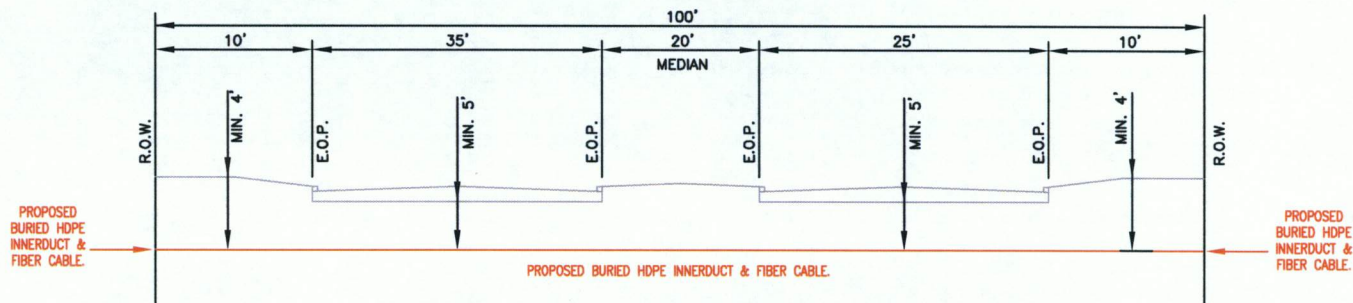
GRAND MISSION BLVD. @ HARLEM RD.
LOOKING NORTH

PROFILE SHEET 5

TITLE: CLUSTER 55 - FORT BEND PERMIT			
LOC: Harlem Rd. and Grand Mission Blvd.			
FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 346-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27



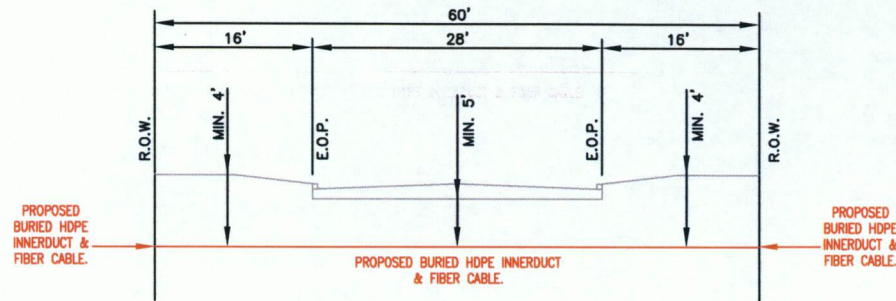
GRAND MISSION BLVD. FROM HARLEM RD. TO FM 1093
LOOKING NORTH



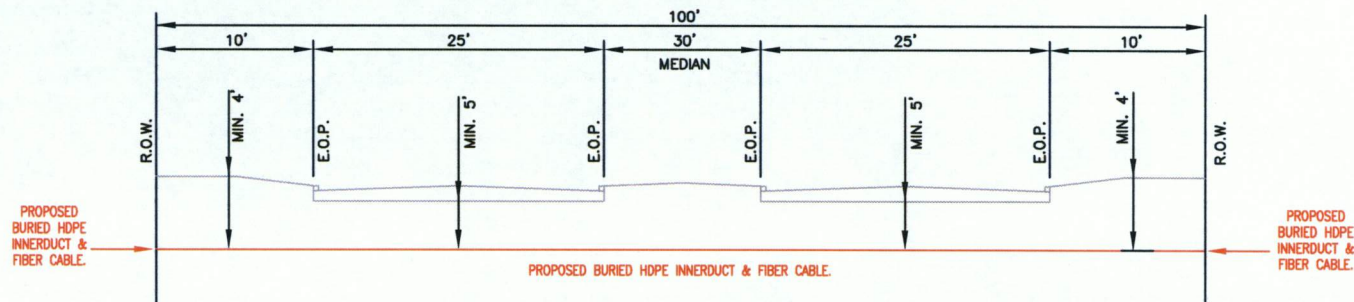
BELLAIRE BLVD. @ GRAND MISSION BLVD.
LOOKING EAST

PROFILE SHEET 6

TITLE: CLUSTER 55 - FORT BEND PERMIT			
LOC: Harlem Rd. and Grand Mission Blvd.			
FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 348-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
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PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



FALLING TIMBER LN. @ GRAND MISSION BLVD.
LOOKING EAST



MISSION PARK DR. @ GRAND MISSION BLVD.
LOOKING EAST

PROFILE SHEET 7

TITLE: CLUSTER 55 - FORT BEND PERMIT			
LOC: Harlem Rd. and Grand Mission Blvd.			
FORT BEND COUNTY			
PMO / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 348-208-5092			
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 27
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 27

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

Guidance:

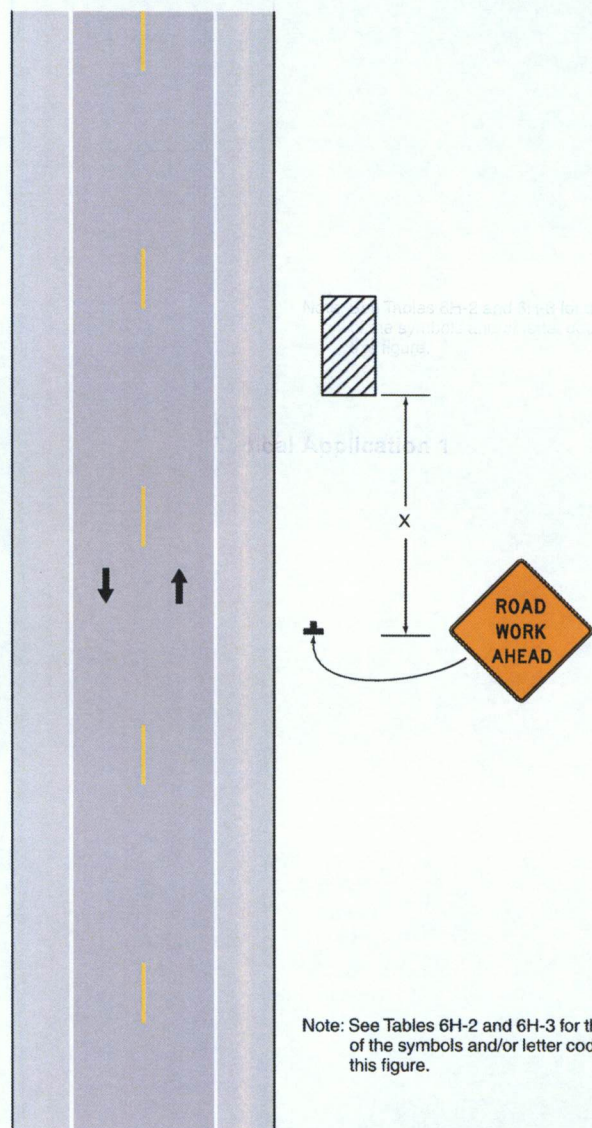
1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

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 Beyond the Shoulder (TA-1)

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

