



**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: 2018-20337

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

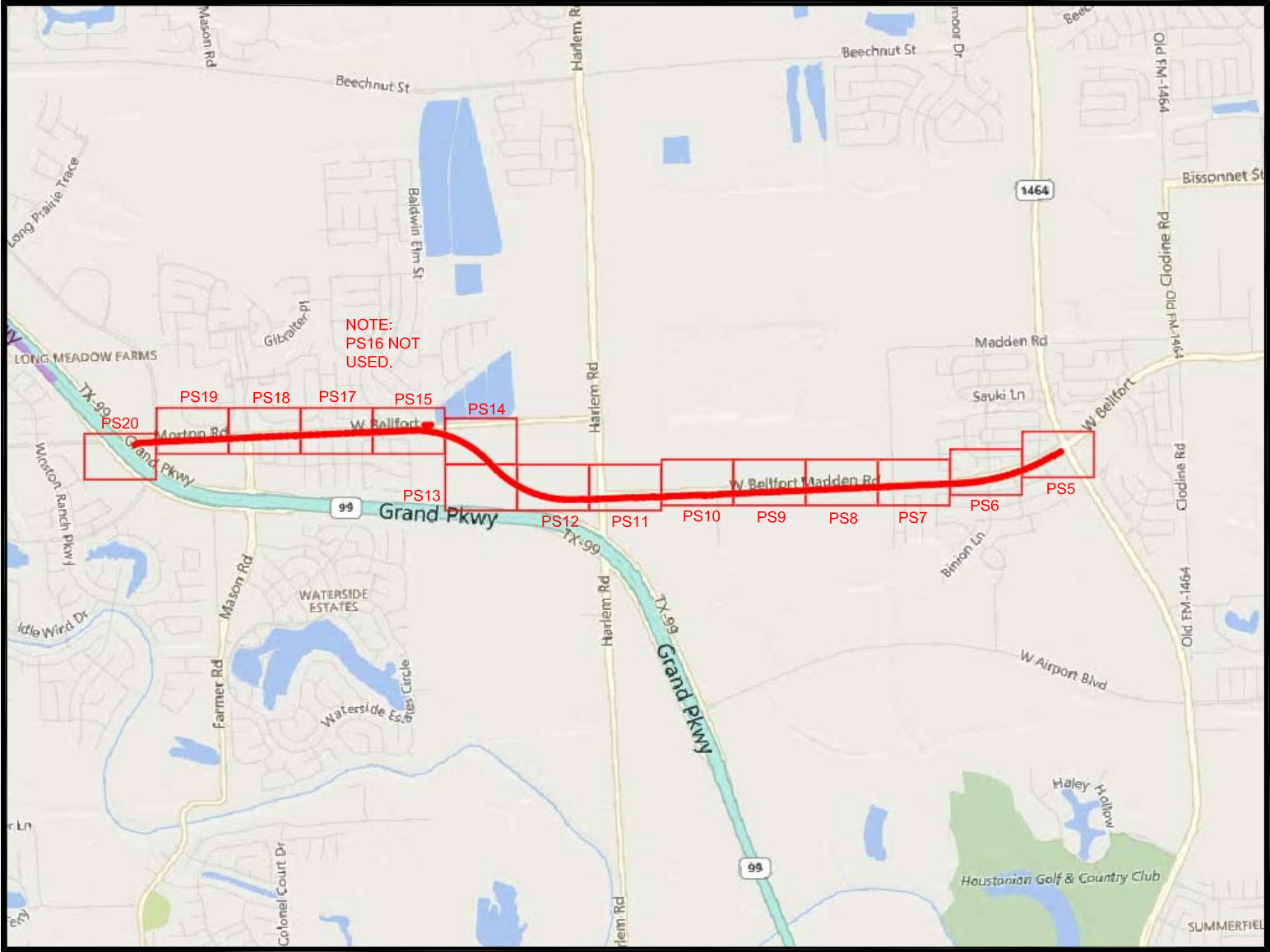
Fort Bend County

Notice of Construction in Right-of-Way

Cluster 55 - W. Bellfort St.

**PROPOSED BORED HDPE INNERDUCT AND FIBER TO BE PLACED
ALONG THE SOUTH R.O.W. OF W. BELLFORT ST. FROM FM 1464 TO
S. GRAND PKWY. W.**

Cluster 55



SITE LOCATION

KEY MAP: 526 W, X, Y & Z & 527 W & X



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

DRAWING LIST

1. COVER SHEET
2. GENERAL NOTES
3. LEGEND
4. PROJECT SHEET 5
5. PROJECT SHEET 6
6. PROJECT SHEET 7
7. PROJECT SHEET 8
8. PROJECT SHEET 9
9. PROJECT SHEET 10
10. PROJECT SHEET 11
11. PROJECT SHEET 12
12. PROJECT SHEET 13
13. PROJECT SHEET 14
14. PROJECT SHEET 15
15. PROJECT SHEET 17 (PS 16 NOT UTILIZED)
16. PROJECT SHEET 18
17. PROJECT SHEET 19
18. PROJECT SHEET 20
19. PROJECT SHEET 20A (AERIAL IMAGE)
20. PROFILE SHEET 1
21. PROFILE SHEET 2
22. PROFILE SHEET 3
23. PROFILE SHEET 4
24. PROFILE SHEET 5
25. 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 MARK UP A SET OF DRAWINGS TO ENSURE BOTH THE PROJECT MANAGER AND THE CONTRACTOR HAS A CLEAR UNDERSTANDING AS TO WHAT IS EXPECTED OF THE CONTRACTOR TO COMPLETE. 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, 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 INVOICING. ALL AS-BUILT DRAWINGS MUST INCLUDE PICTURES OF ALL PHASES OF PERFORMED WORK. ALL LINE ITEMS THAT REQUIRE PRICING 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 W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 346-206-5092			
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
CROWN CASTLE FIBER			PAGE: 1
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			OF: 25

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 PROIR 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 S 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	ELECTIC 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
S/W	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



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DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A
The logo for Crown Castle Fiber, featuring a stylized 'CC' in grey and the words 'CROWN CASTLE' in purple, followed by a vertical line and the word 'FIBER' in blue.		PAGE: 2
		OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		

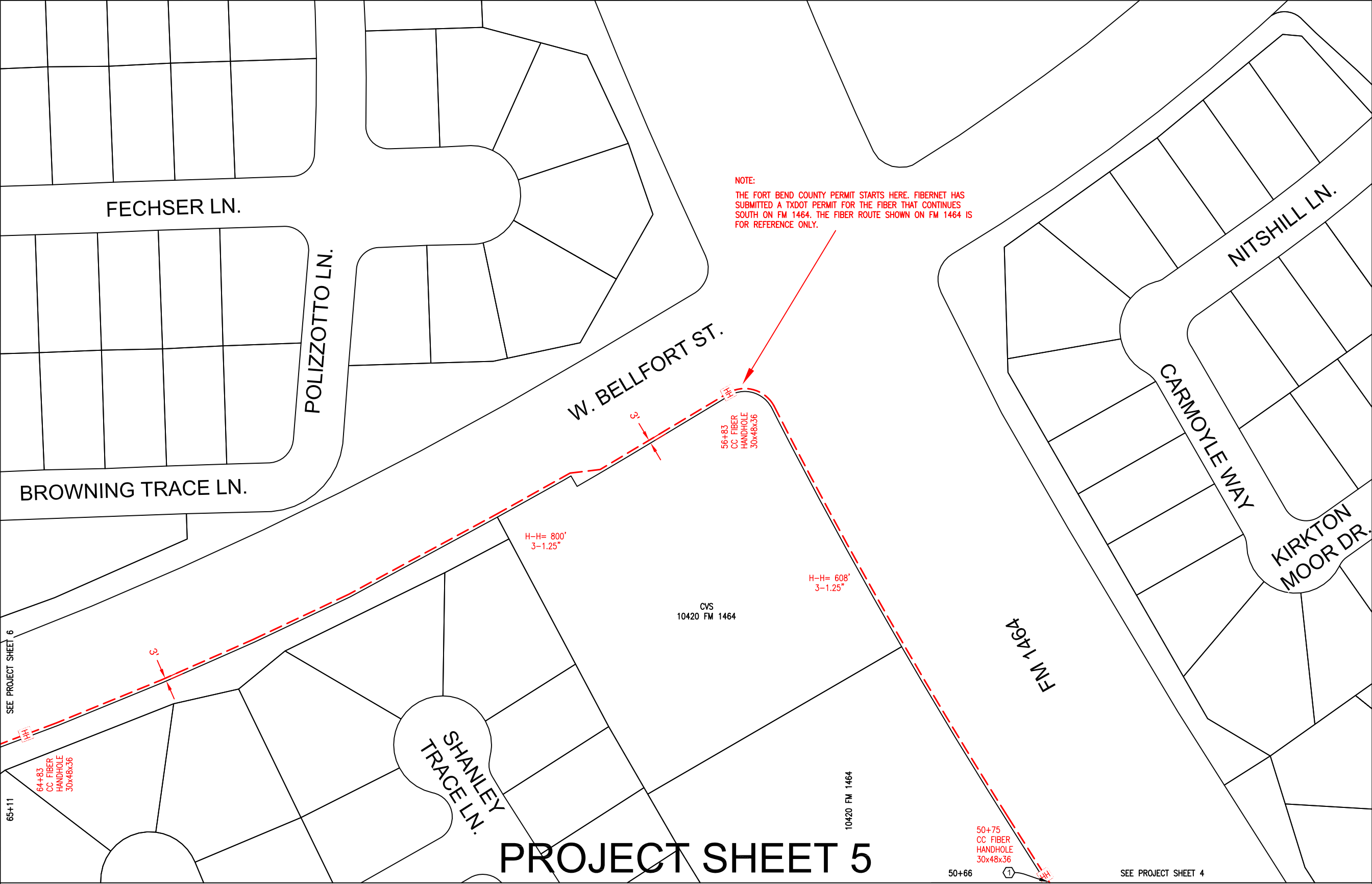
LEGEND

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	STEEL POLE	0+00 CC FIBER MANHOLE SIZE	MANHOLE PROPOSED		SLACK UG PROPOSED		A	P - FIBER - AERIAL - EXISTING																	
	CONCRETE POLE	0+00 OWNER HANDHOLE SIZE	HANDHOLE EXISTING		SPLICE CASE EXISTING		A	P - FIBER - AERIAL - PROPOSED																	
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				<table><tr><td>1</td><td>CABLE FIBERS: FIBERS</td></tr><tr><td></td><td>CABLE OWNER: CC FIBER</td></tr><tr><td></td><td>CABLE LENGTH: FTG</td></tr><tr><td></td><td>NOTES:</td></tr></table>	1	CABLE FIBERS: FIBERS		CABLE OWNER: CC FIBER		CABLE LENGTH: FTG		NOTES:			UTILITIES - WATER										
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	CABLE OWNER: CC FIBER																								
	CABLE LENGTH: FTG																								
	NOTES:																								

TITLE: CLUSTER 55 – FORT BEND F	
W. BELLFORT FROM FM 1464 TO	
LOC:	FORT BEND COUNTY
PMO# / TGT BUILDING ID:	N/A
PM:	RONNIE SHORTHOSE 346–206

Know what's below.
Call before you dig.

TITLE: CLUSTER 55 – FORT BEND PERMIT W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.		
LOC: FORT BEND COUNTY		
PMO# / TGT BUILDING ID: N/A		
PM: RONNIE SHORTHOSE 346-206-5092		
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg		
DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A
CROWN CASTLE FIBER		PAGE: 3
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		OF: 25



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 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 ¼" 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 5

TITLE: CLUSTER 55 – FORT BEND PERMIT
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHOSE 346-206-5092

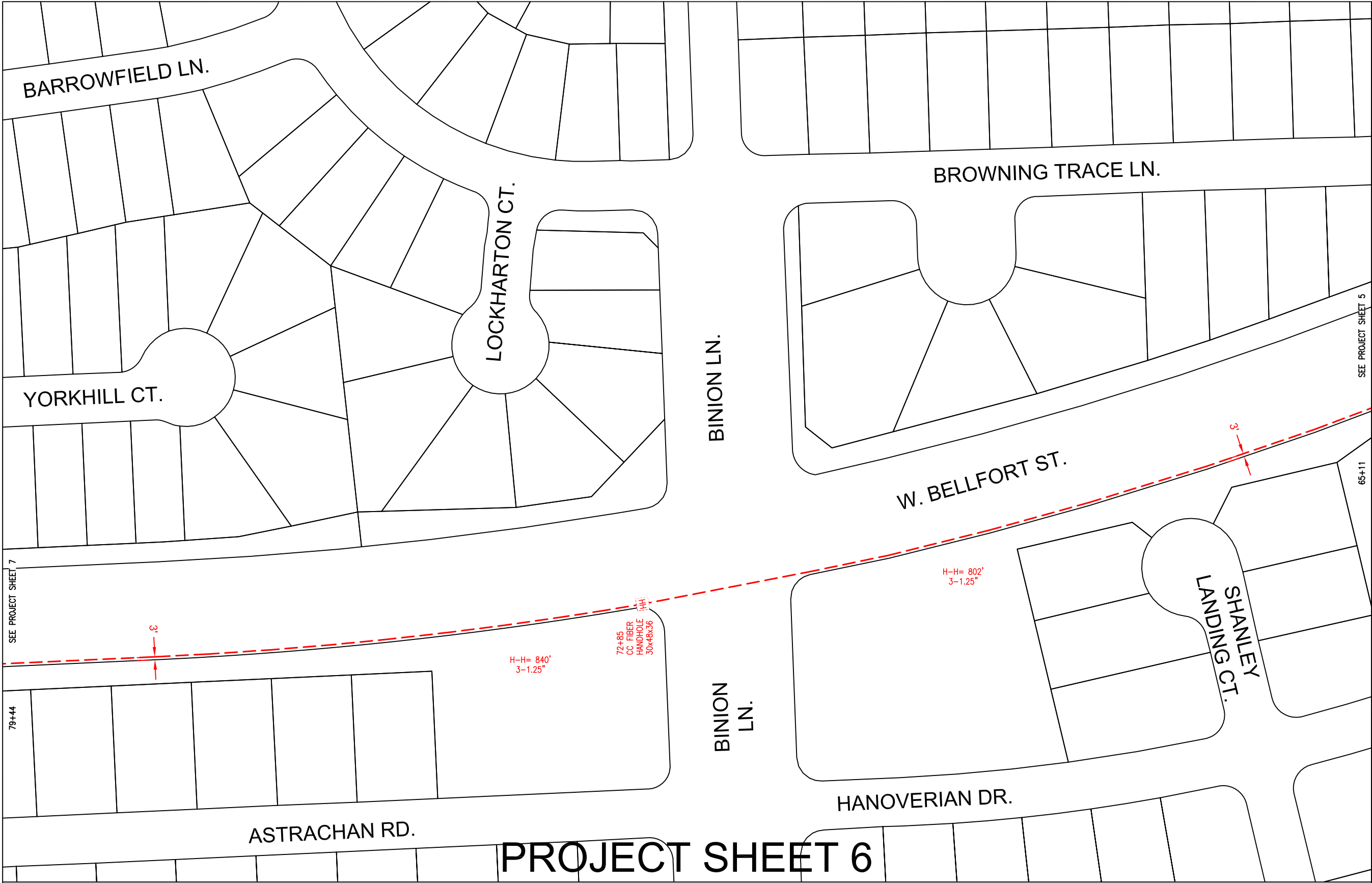
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg

DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

CC CROWN CASTLE FIBER

PAGE: 4
OF: 25

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



CONSTRUCTION NOTES

FORT BEND COUNTY

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79+44

SEE PROJECT SHEET 7

SEE PROJECT SHEET 5

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

025'50'75'100'

SCALE: 1"=100'

TITLE: CLUSTER 55 – FORT BEND PERMIT
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHORSE 346–206–5092

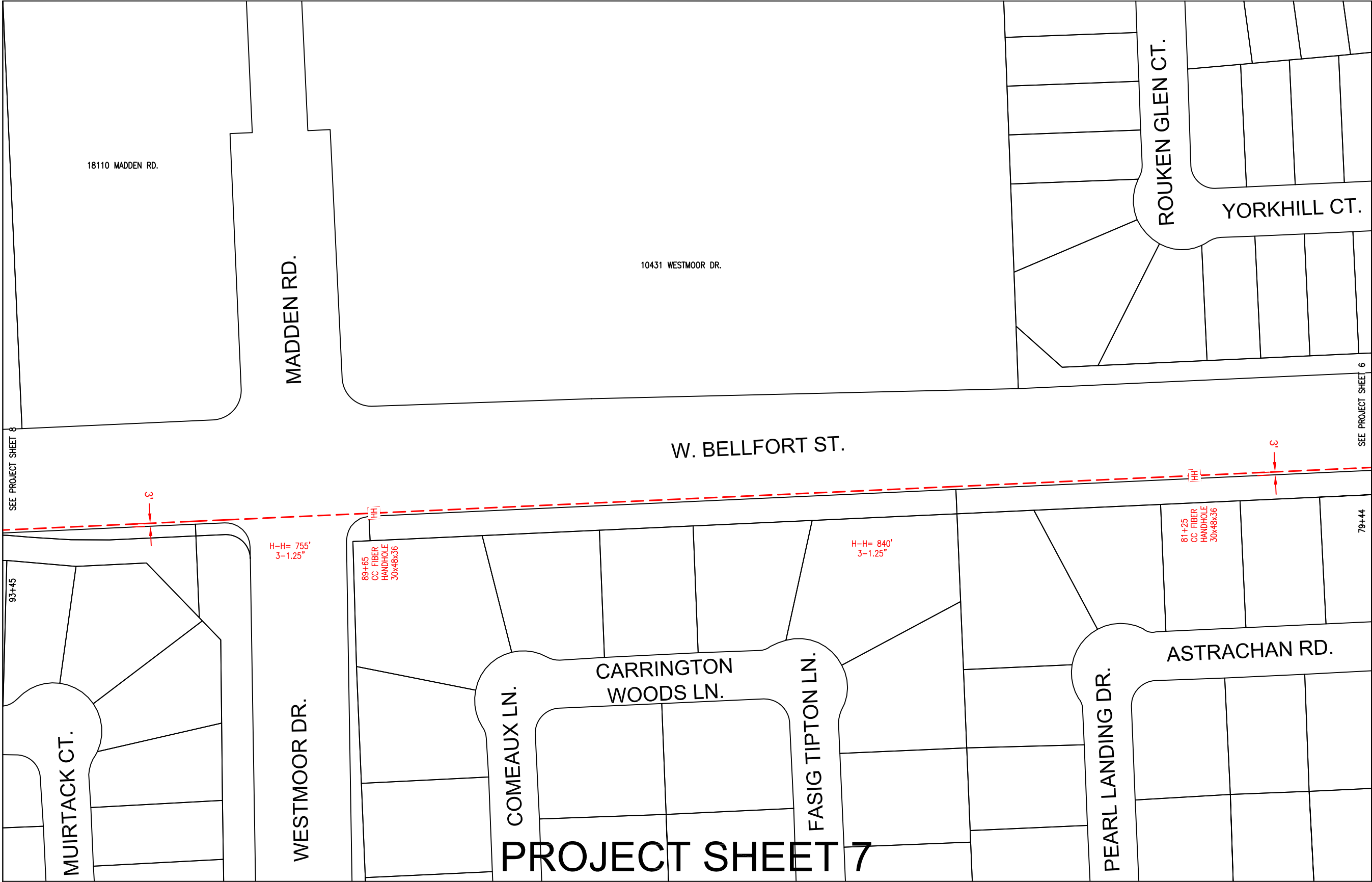
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg

DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

CROWN CASTLE FIBER

PAGE: 5
OF: 25

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



CONSTRUCTION NOTES

FORT BEND COUNTY

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PROJECT SHEET 7

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

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

TITLE: CLUSTER 55 – FORT BEND PERMIT
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHORSE 346–206–5092

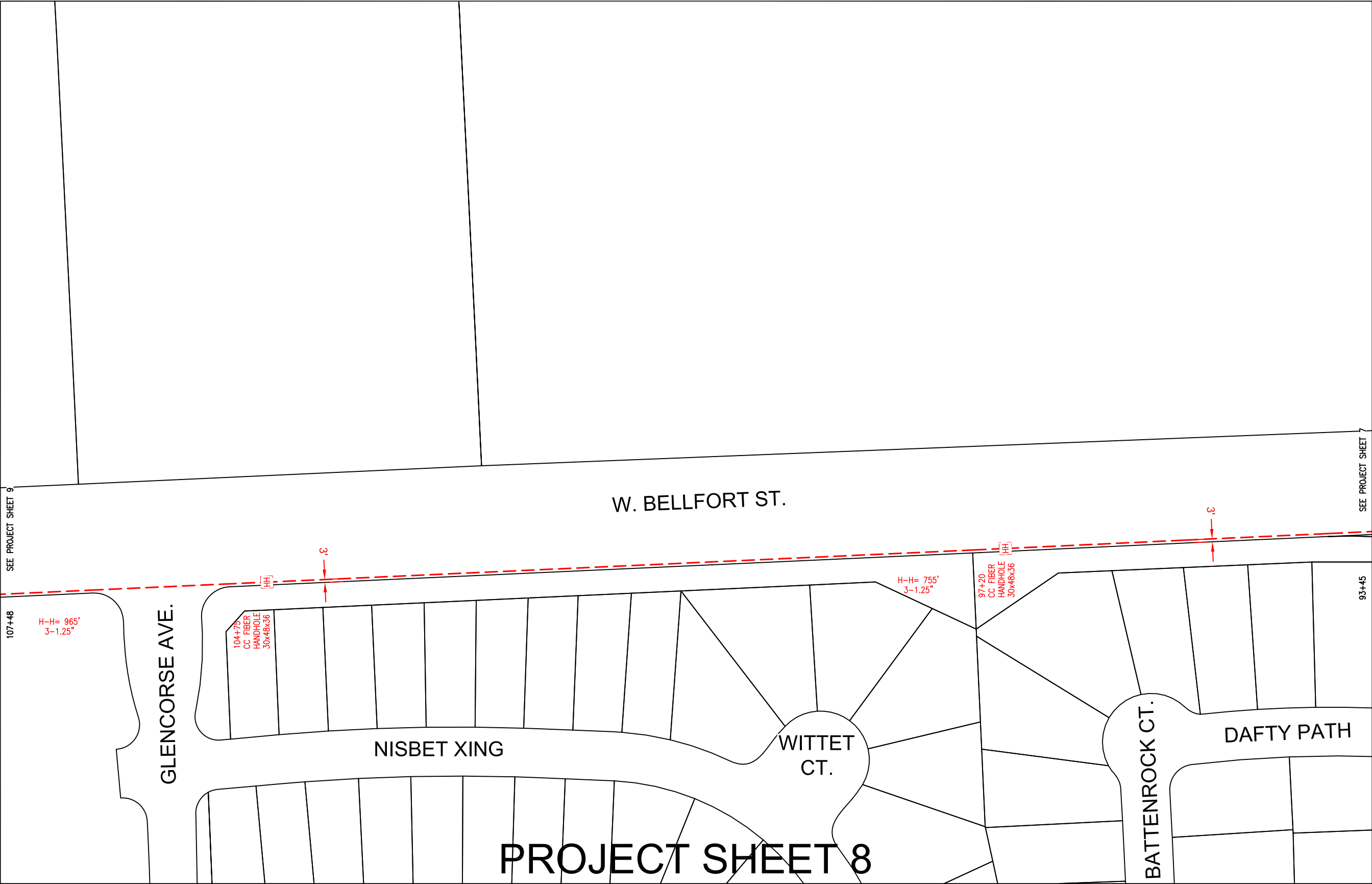
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg

DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

CROWN CASTLE FIBER

PAGE: 6
OF: 25

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



CONSTRUCTION NOTES

FORT BEND COUNTY

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PROJECT CONSTRUCTION NOTES:

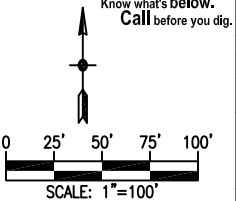
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SEE PROJECT SHEET 9

SEE PROJECT SHEET 7



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W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

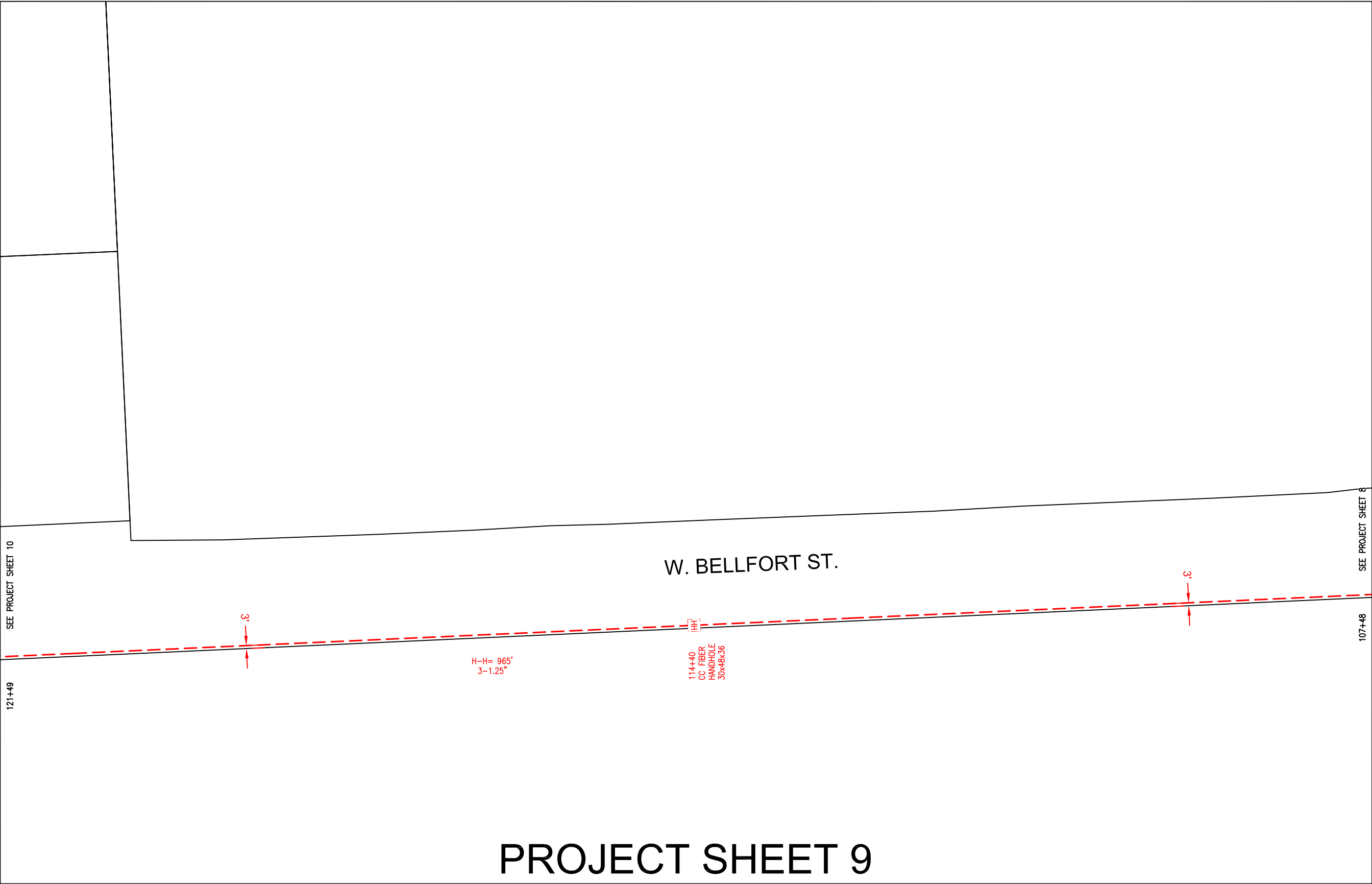
PM: RONNIE SHORTHOSE 346–206–5092

DWG: Fort Bend – W Bellfort St – Cluster 55.dwg

DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

PAGE: 7
OF: 25

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



PROJECT SHEET 9

CONSTRUCTION NOTES

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
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FORT BEND COUNTY ENGINEERING
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SEE PROJECT SHEET 10

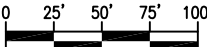

121+49

SEE PROJECT SHEET 8


107+48

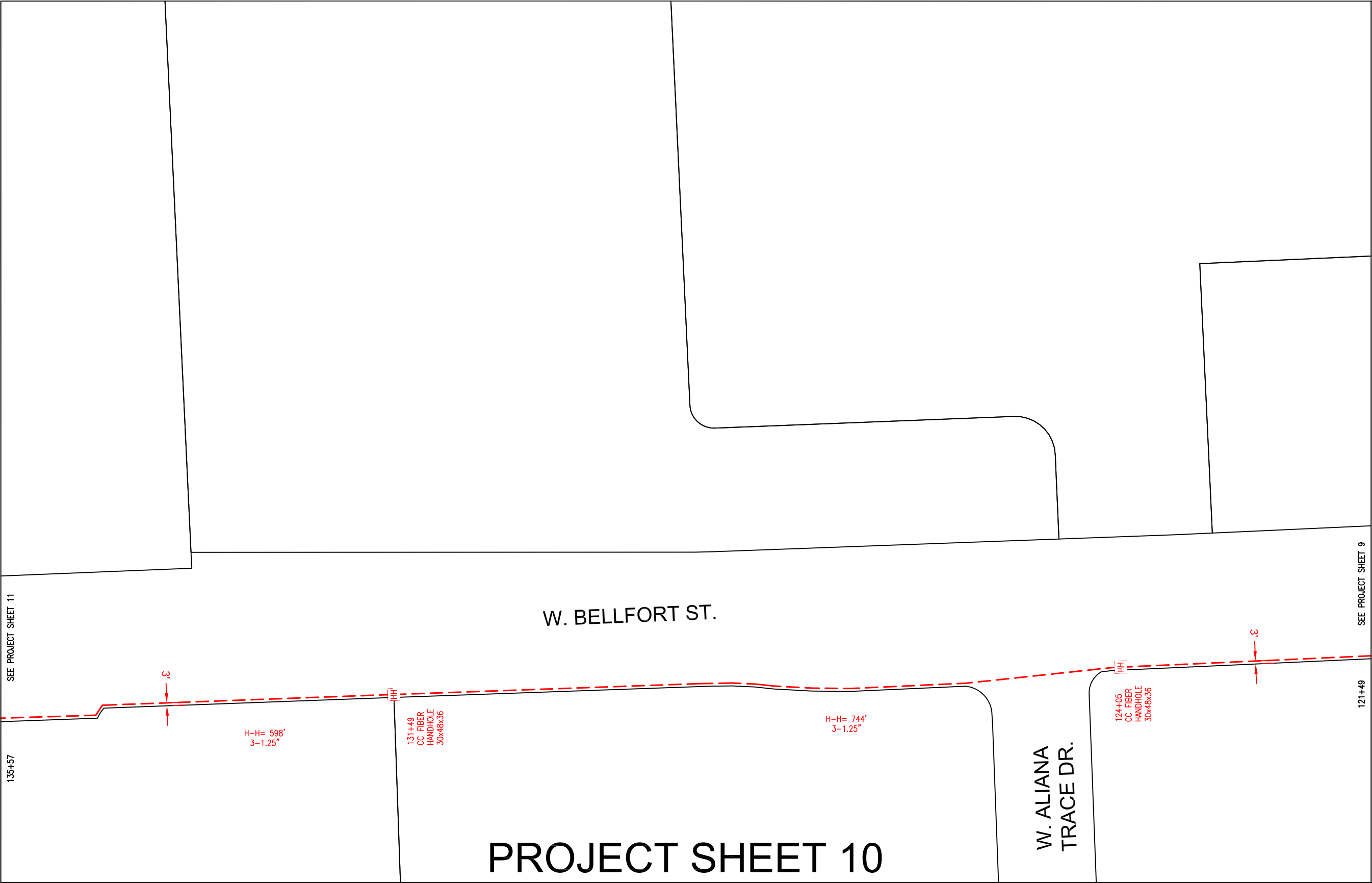


Know what's below.
Call before you dig.



SCALE: 1"=100'

TITLE: CLUSTER 55 – FORT BEND PERMIT W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
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ORIGINAL	04/13/18	FCS	
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AS-BUILT	N/A	N/A	
			PAGE: 8
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



CONSTRUCTION NOTES

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
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SEE PROJECT SHEET 11

SEE PROJECT SHEET 9


135+57

121+49



W. BELLFORT ST.

W. ALIANA
TRACE DR.


PROJECT SHEET 10

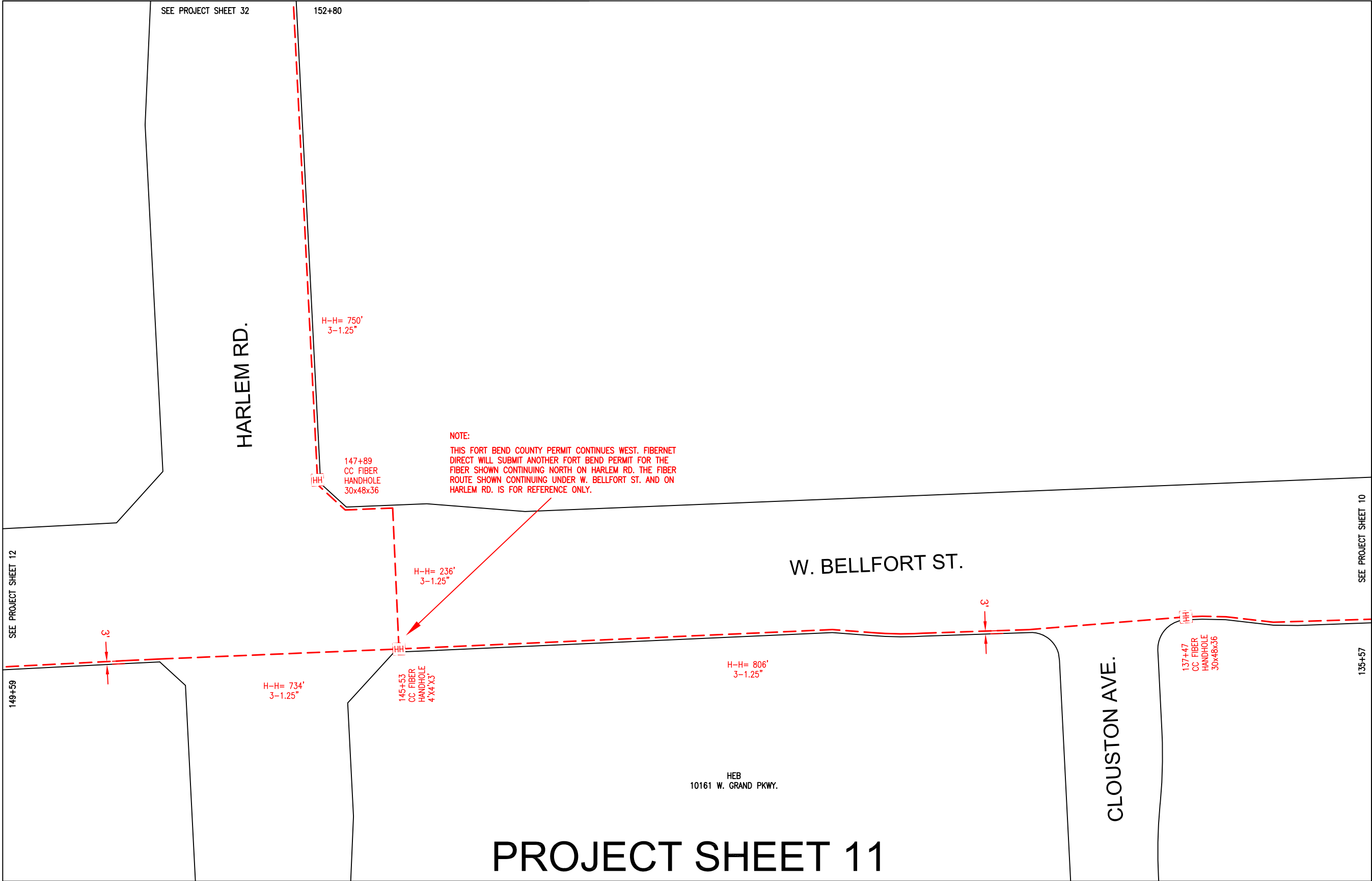


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SCALE: 1"=100'

TITLE: CLUSTER 55 - FORT BEND PERMIT			
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC:			
FORT BEND COUNTY			
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AS-BUILT	N/A	N/A	
			PAGE: 9
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



CONSTRUCTION NOTES

FORT BEND COUNTY

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811

Know what's below.
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025'50'75'100'

SCALE: 1"=100'

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LOC: FORT BEND COUNTY			
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ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
<div>CC CROWN CASTLE FIBER</div>			PAGE: 10
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
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FORT BEND COUNTY ENGINEERING
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SEE PROJECT SHEET 13

164+09

H-H= 739'
3-1.25"



160+26
CC FIBER
HANDHOLE
30"x48"x36"

W. BELLFORT ST.

H-H= 739'
3-1.25"

WATERVIEW
TOWN CENTER

152+87
CC FIBER
HANDHOLE
30"x48"x36"




SEE PROJECT SHEET 11

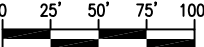

149+59

W. GRAND
PARKWAY
SOUTH


PROJECT SHEET 12

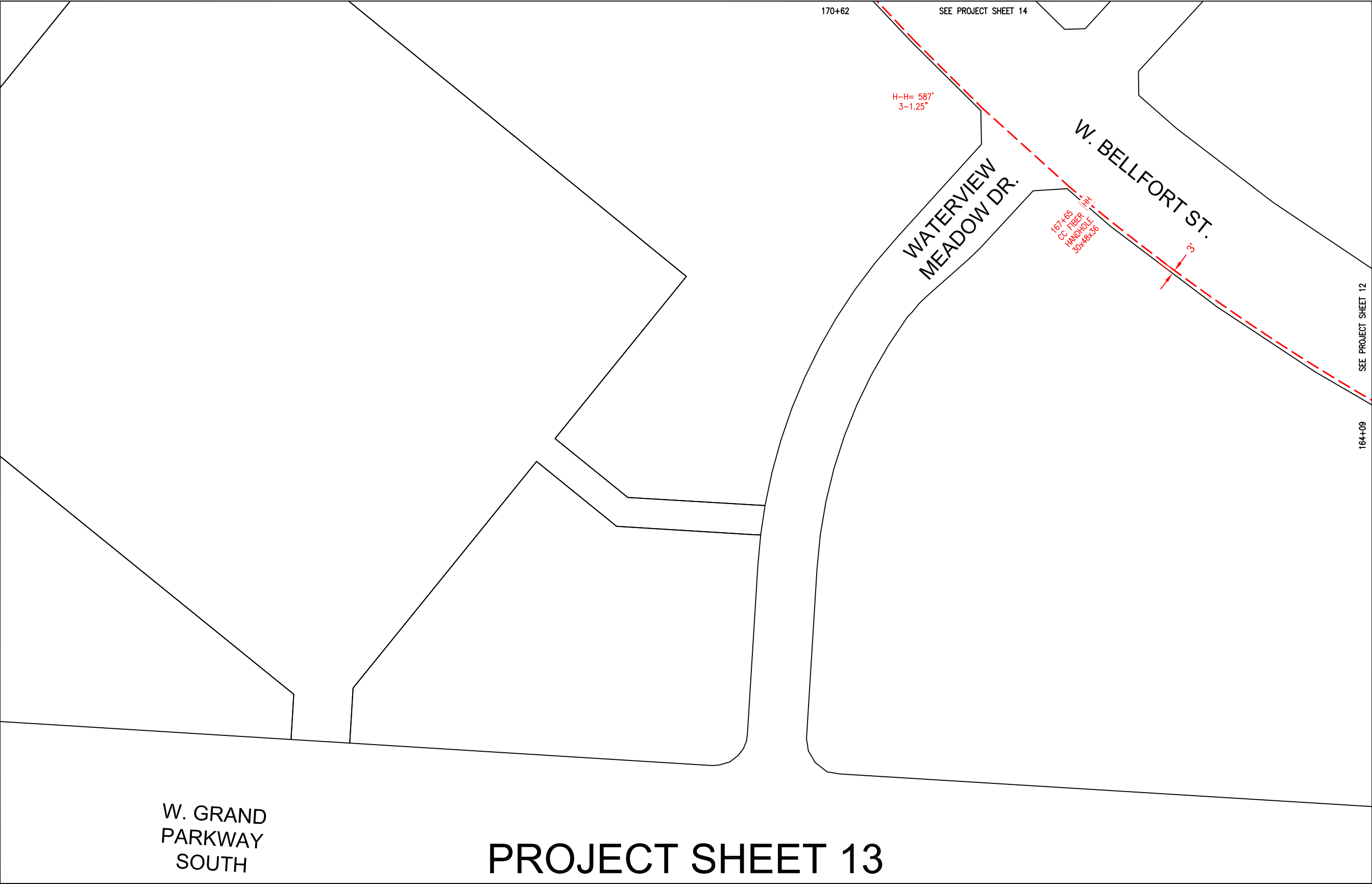


Know what's below.
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ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 11
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



CONSTRUCTION NOTES

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
PERMIT ADMINISTRATOR
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281-633-7503

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W. GRAND PARKWAY SOUTH

PROJECT SHEET 13

TITLE: CLUSTER 55 – FORT BEND PERMIT
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

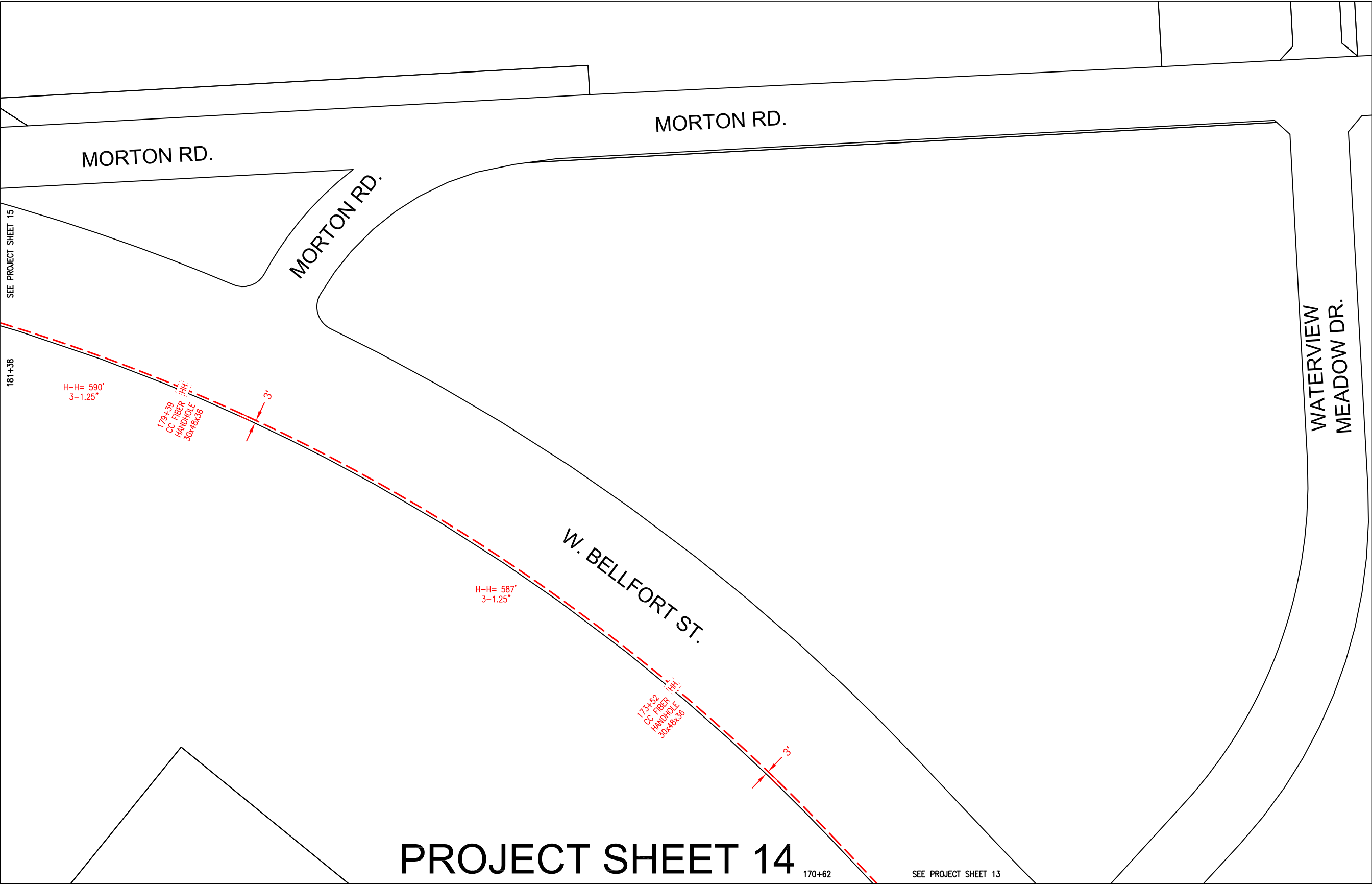
PM: RONNIE SHORTHORSE 346-206-5092

DWG: Fort Bend – W Belfort St – Cluster 55.dwg

DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

PAGE: 12
OF: 25

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



PROJECT SHEET 14

CONSTRUCTION NOTES

FORT BEND COUNTY

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


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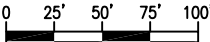

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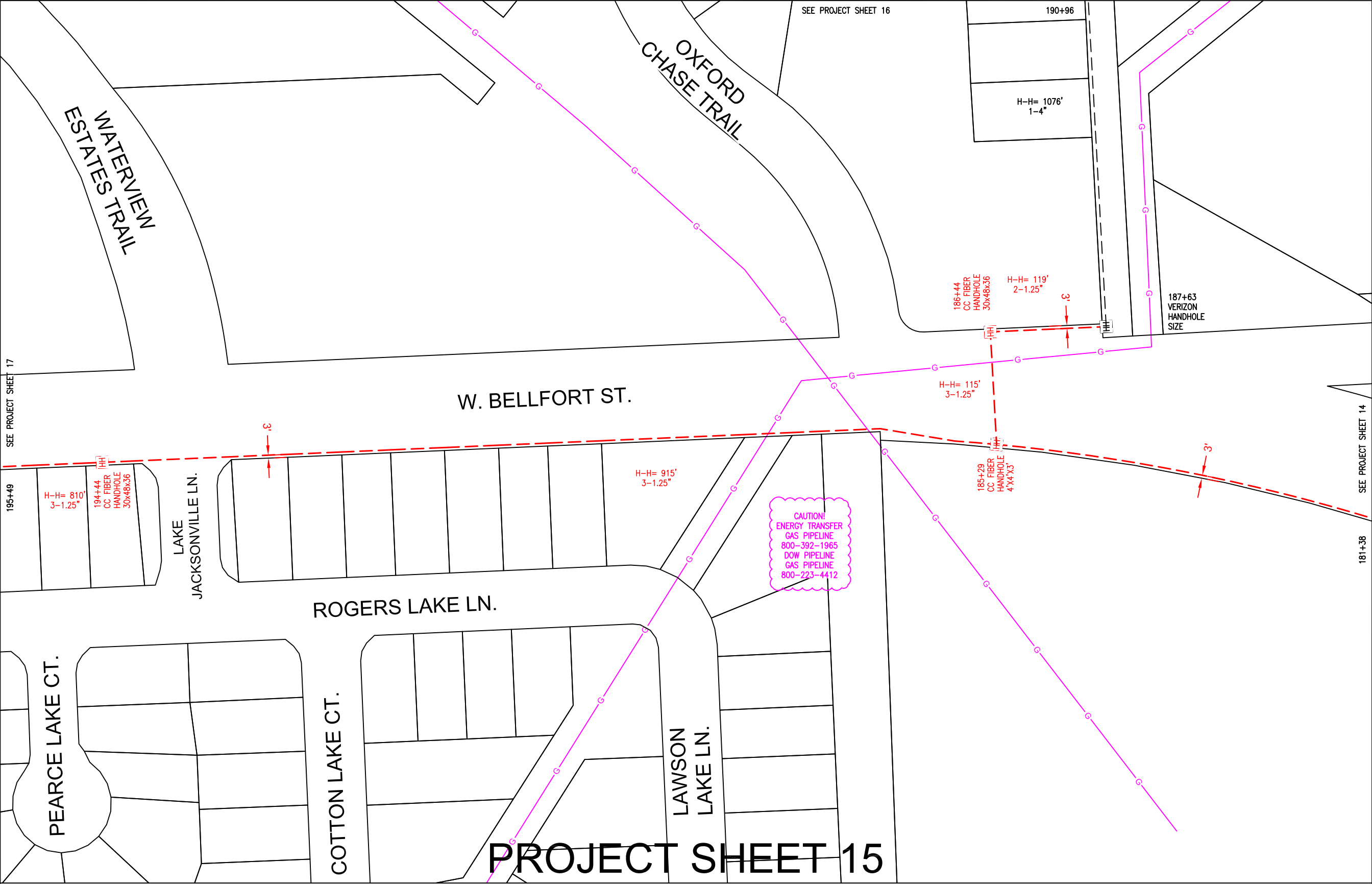


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SCALE: 1"=100'

TITLE: CLUSTER 55 – FORT BEND PERMIT W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.		
LOC: FORT BEND COUNTY		
PMO# / TGT BUILDING ID: N/A		
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Rev#1	N/A	N/A
AS-BUILT	N/A	N/A
		PAGE: 13
		OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		



CONSTRUCTION NOTES

FORT BEND COUNTY

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PROJECT SHEET 15

811
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Call before you dig.

025'50'75'100'

SCALE: 1"=100'

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W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHOSE 346–206–5092

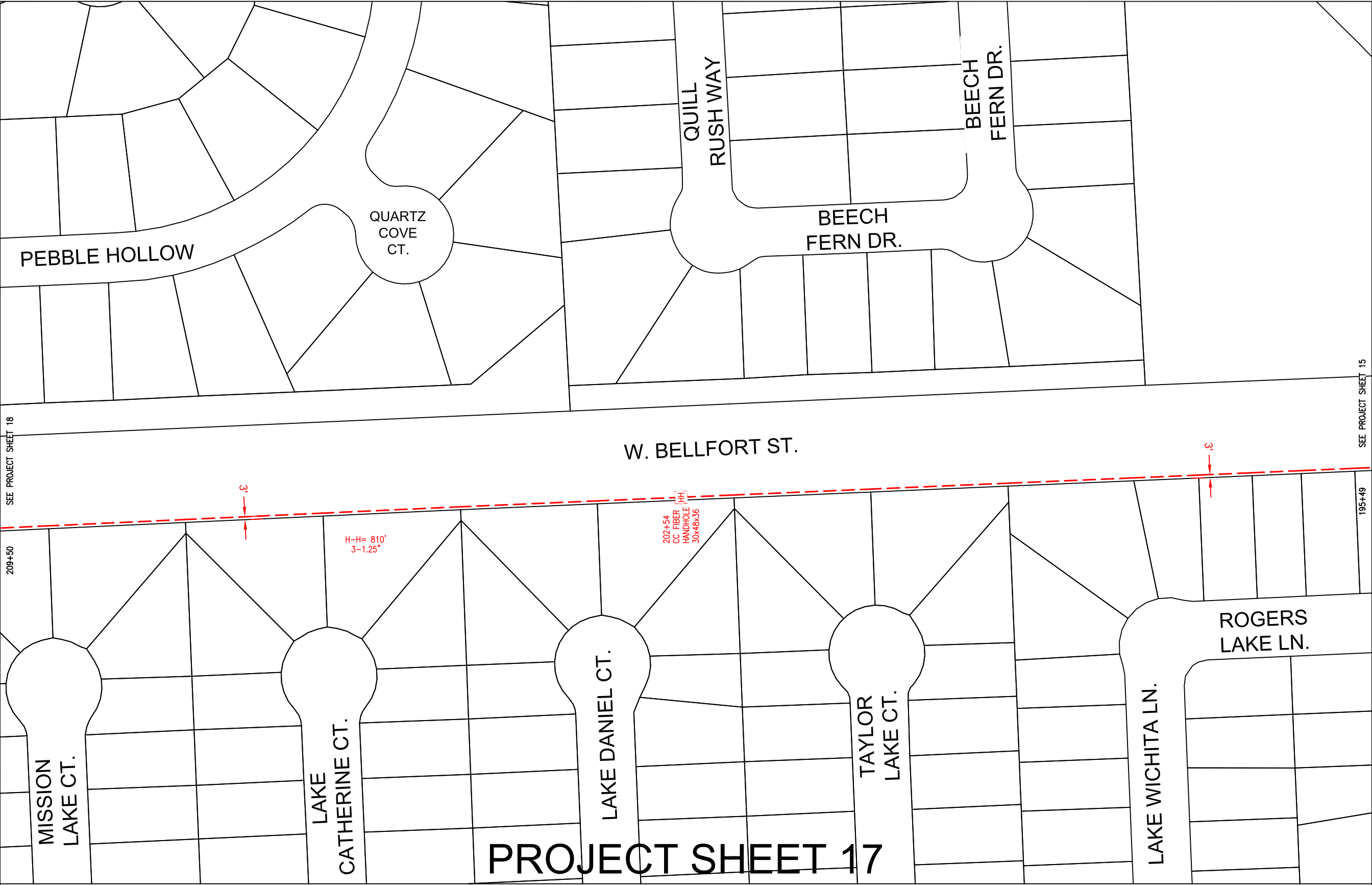
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg

DRAWING	DATE	ENG DESIGN
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Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

CROWN CASTLE FIBER

PAGE: 14
OF: 25

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



CONSTRUCTION NOTES

FORT BEND COUNTY

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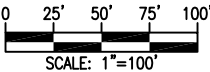


SEE PROJECT SHEET 18

SEE PROJECT SHEET 15

209+50

195+49

PROJECT SHEET 17



TITLE: CLUSTER 55 – FORT BEND PERMIT
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.


LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHOSE 346–206–5092

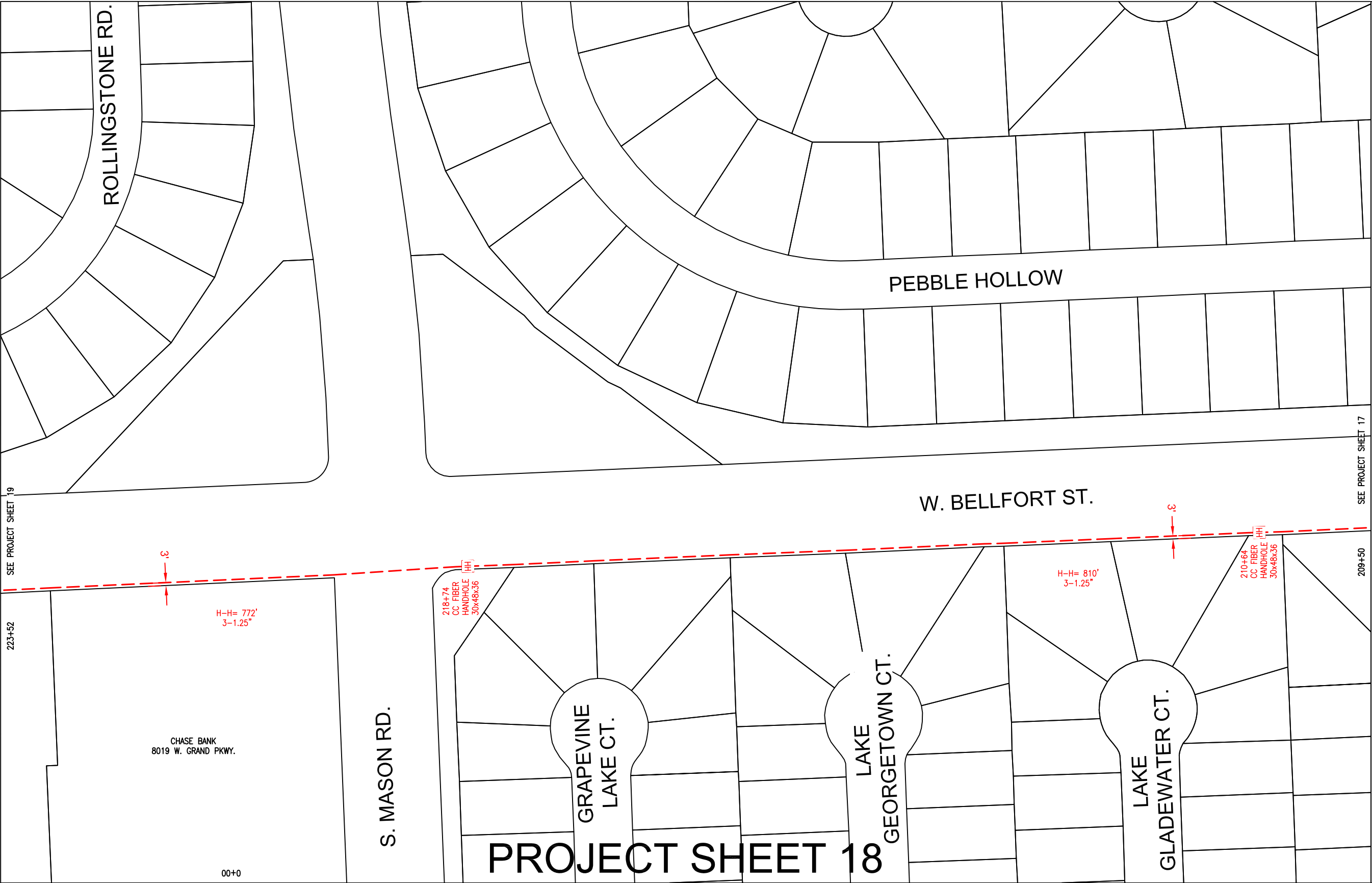
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg

DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A



PAGE: 15
OF: 25

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



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 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 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.

223+52

SEE PROJECT SHEET 19

00+0

CHASE BANK
8019 W. GRAND PKWY.

218+74
CC FIBER
HANDHOLE [HH]
30x48x36

210+64
CC FIBER
HANDHOLE [HH]
30x48x36

209+50

SEE PROJECT SHEET 17

W. BELLFORT ST.

PEBBLE HOLLOW

ROLLINGSTONE RD.

S. MASON RD.

GRAPEVINE LAKE CT.

LAKE GEORGETOWN CT.

LAKE GLADE WATER CT.

PROJECT SHEET 18

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

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

TITLE: CLUSTER 55 – FORT BEND PERMIT
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHOSE 346–206–5092

DWG: Fort Bend – W Belfort St – Cluster 55.dwg

DRAWING DATE ENG DESIGN

ORIGINAL 04/13/18 FCS

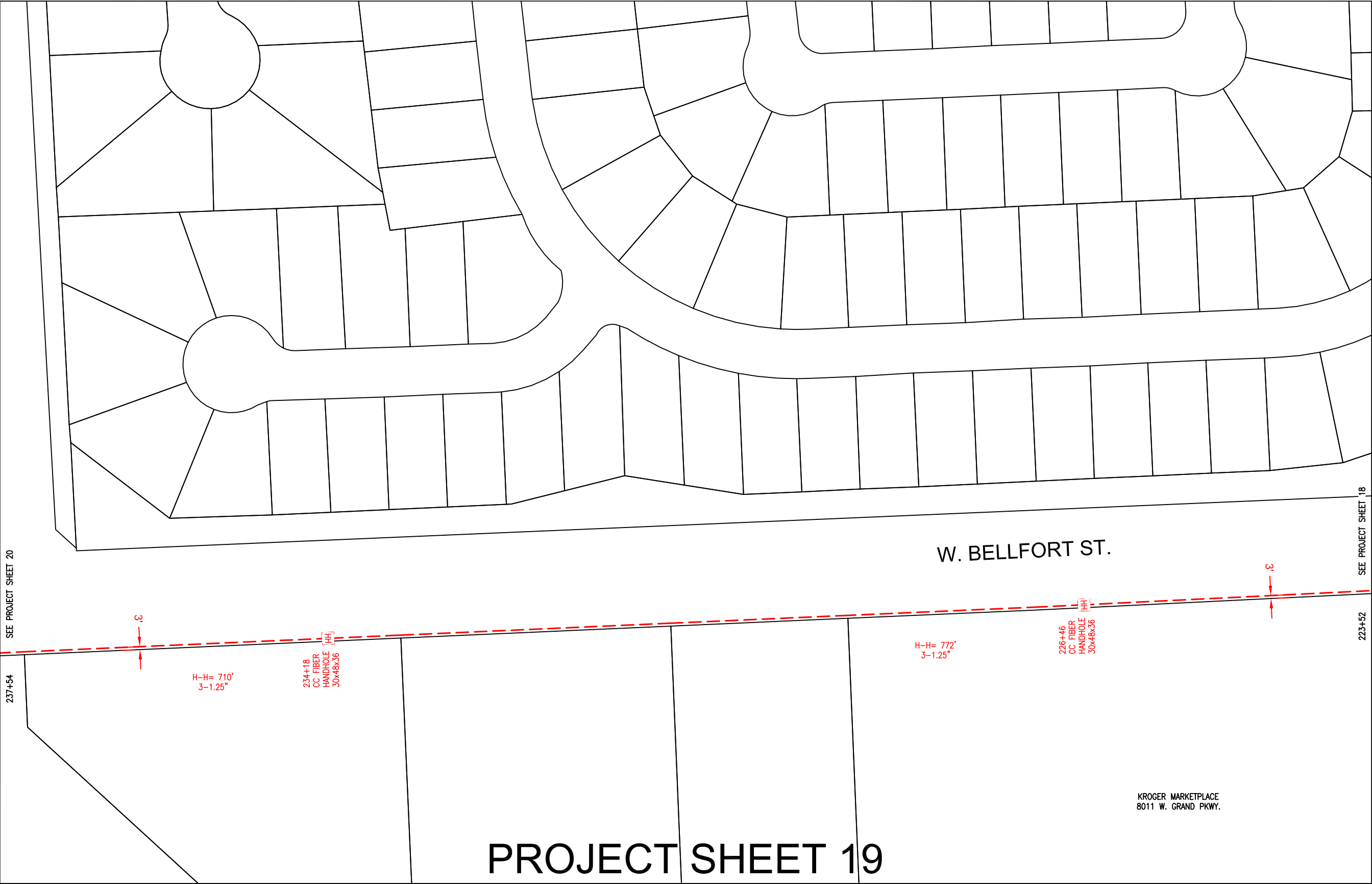
Rev#1 N/A N/A

AS-BUILT N/A N/A

CROWN CASTLE FIBER

PAGE: 16
OF: 25

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



CONSTRUCTION NOTES

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- 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.

SEE PROJECT SHEET 20


SEE PROJECT SHEET 18

237+54

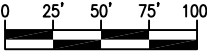

223+52

PROJECT SHEET 19


KROGER MARKETPLACE
8011 W. GRAND PKWY.

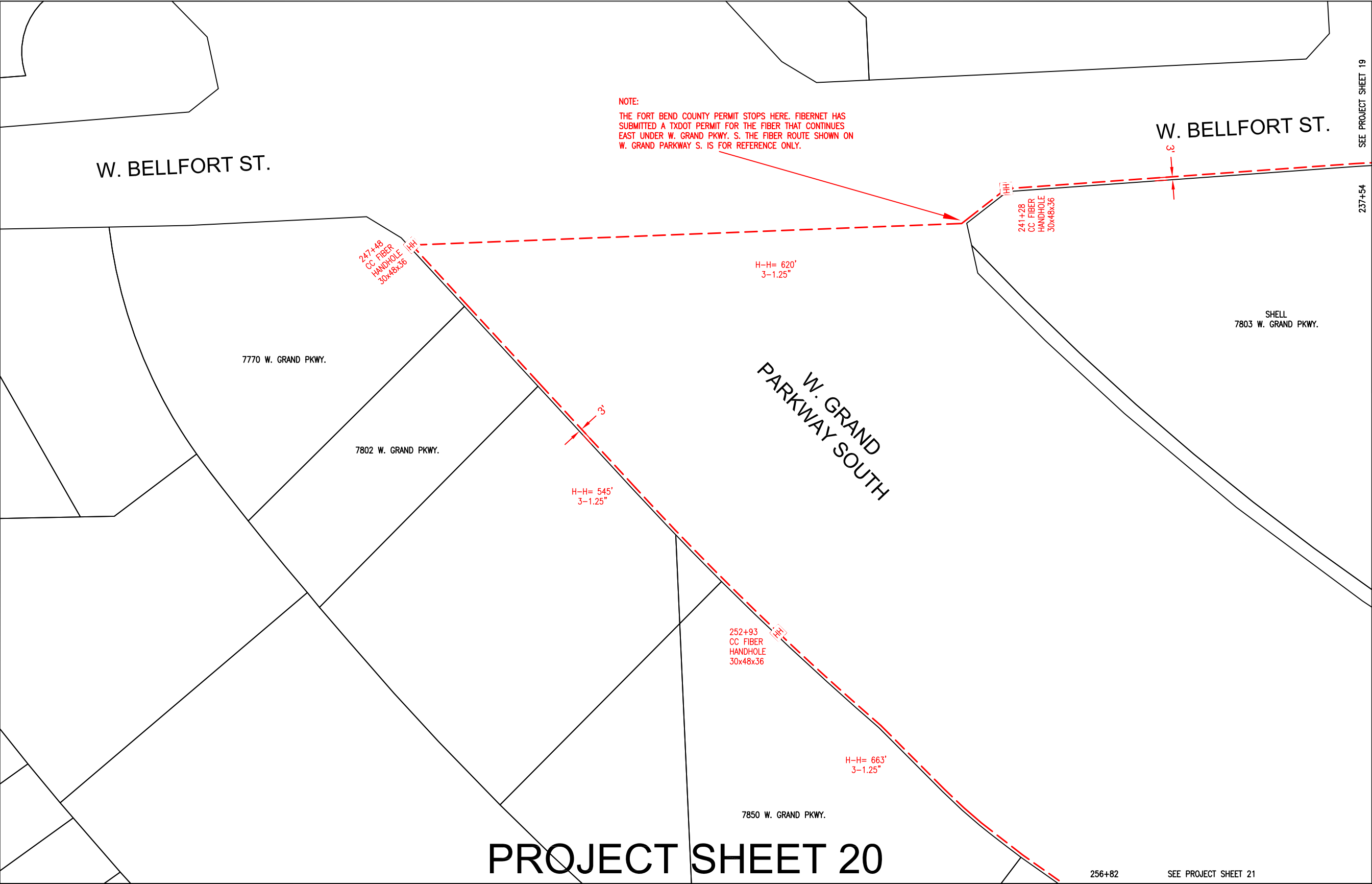


Know what's below.
Call before you dig.



SCALE: 1"=100'

TITLE: CLUSTER 55 – FORT BEND PERMIT W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 346–206–5092			
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 17
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



PROJECT SHEET 20

CONSTRUCTION NOTES

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
PERMIT ADMINISTRATOR
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:

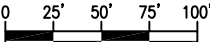

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 ¼" HDPE INNERDUCTS AND ONE FIBER CABLE.

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.

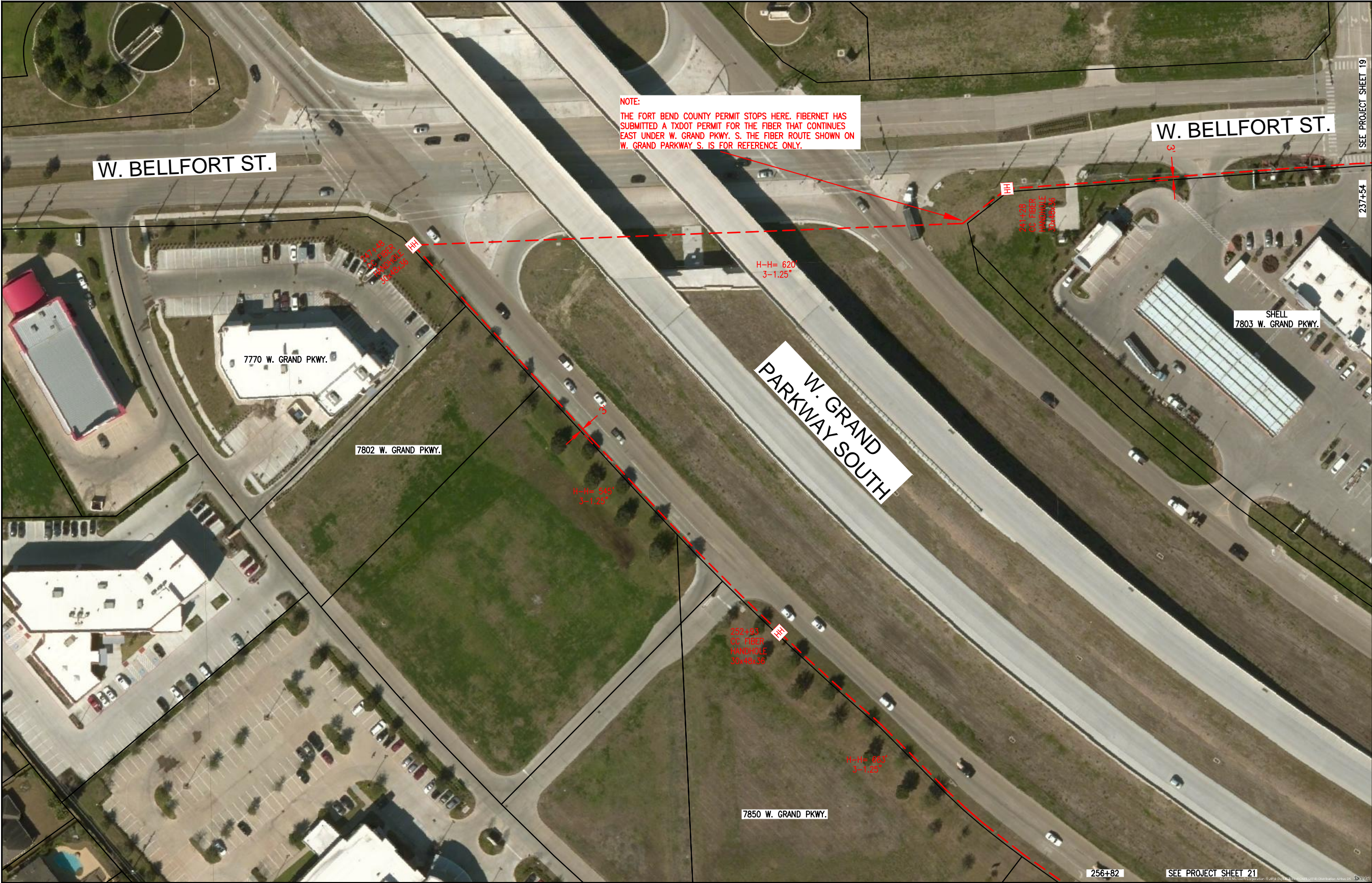


Know what's below.
Call before you dig.



SCALE: 1"=100'

TITLE: CLUSTER 55 – FORT BEND PERMIT			
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHOSE 346-206-5092			
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 18
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



CONSTRUCTION NOTES

FORT BEND COUNTY

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

WRITTEN NOTICES ARE REQUIRED:

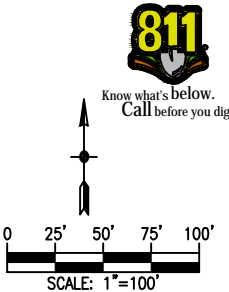
1. 48 HOURS IN ADVANCE OF START OF CONSTRUCTION.
2. WHEN CONSTRUCTION IS COMPLETE AND READY FOR FINAL INSPECTION, MAIL TO.

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

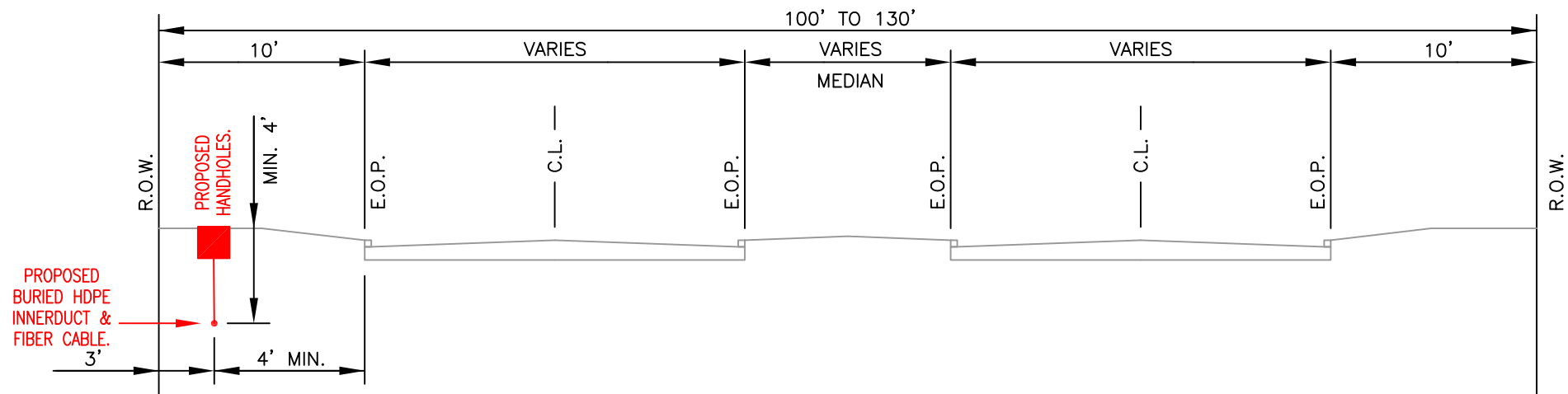
- PROJECT CONSTRUCTION NOTES:
1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 1/4" HDPE INNERDUCTS AND ONE FIBER CABLE.
 2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS)..
 3. ALL PROPOSED HAND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

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.

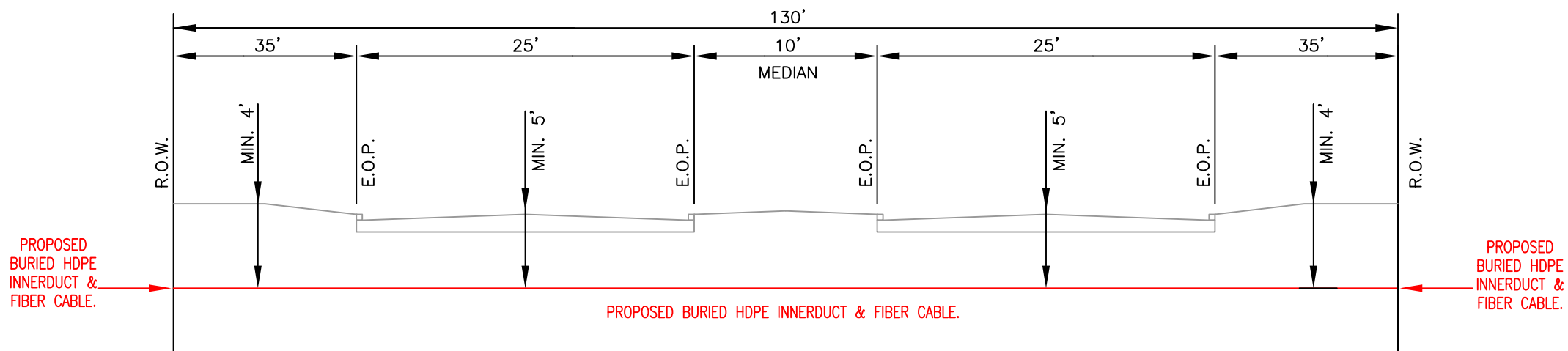
PROJECT SHEET 20A - AERIAL IMAGE FOR REFERENCE ONLY



TITLE: CLUSTER 55 - FORT BEND PERMIT W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHOSE 346-206-5092			
DWG: Fort Bend - W Bellfort St - Cluster 55.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 19
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			




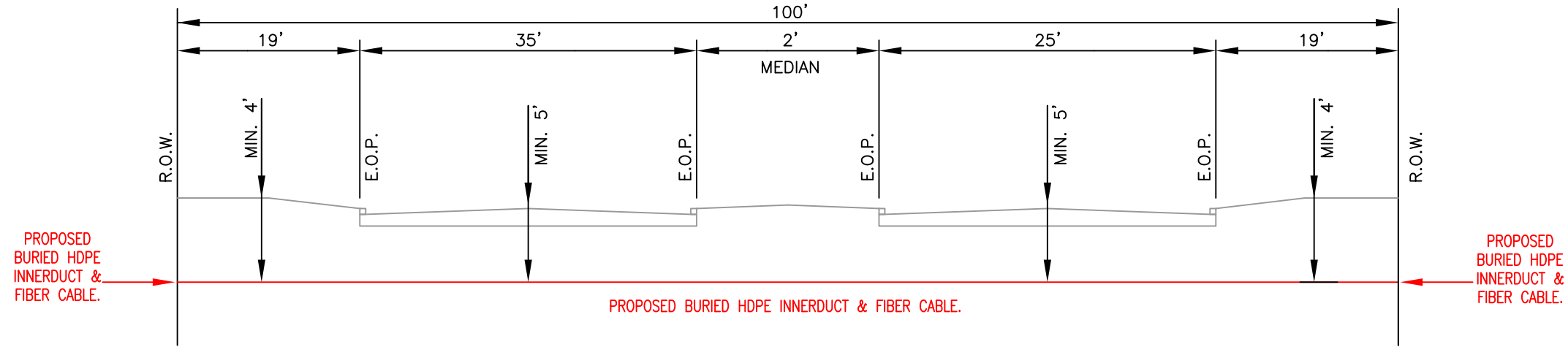
W. BELLFORT ST. FROM FM 1464 TO W. GRAND PKWY. S.
LOOKING WEST



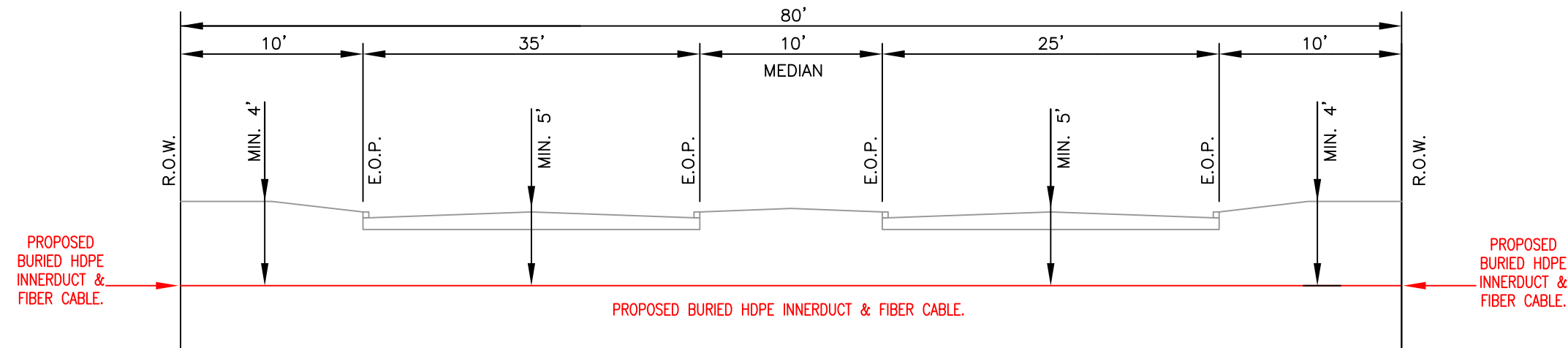
BINION LN. @ W. BELLFORT ST.
LOOKING SOUTH

PROFILE SHEET 1

TITLE: CLUSTER 55 – FORT BEND PERMIT		
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.		
LOC: FORT BEND COUNTY		
PMO# / TGT BUILDING ID: N/A		
PM: RONNIE SHORTHORSE 346-206-5092		
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg		
DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A
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		OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		




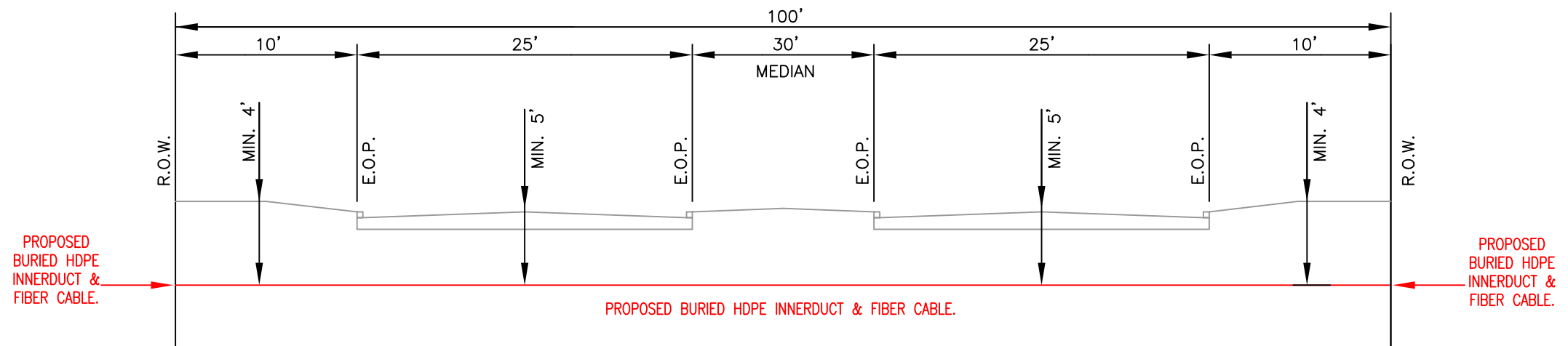
WESTMOOR DR. @ W. BELLFORT ST.
LOOKING SOUTH



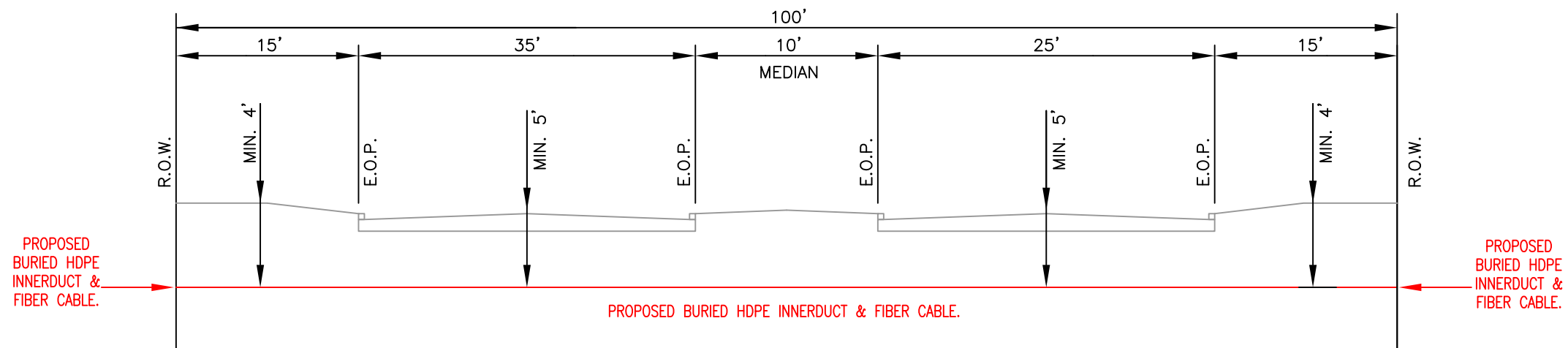
GLENCORSE AVE. @ W. BELLFORT ST.
LOOKING SOUTH

PROFILE SHEET 2

TITLE: CLUSTER 55 – FORT BEND PERMIT W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 346-206-5092			
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 21
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			




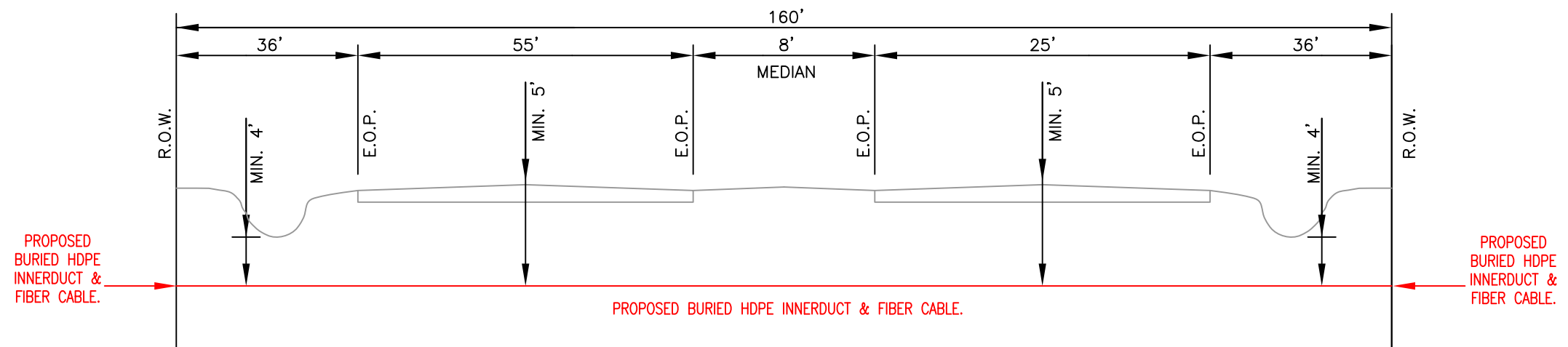
W. ALIANA TRACE DR. @ W. BELLFORT ST.
LOOKING SOUTH



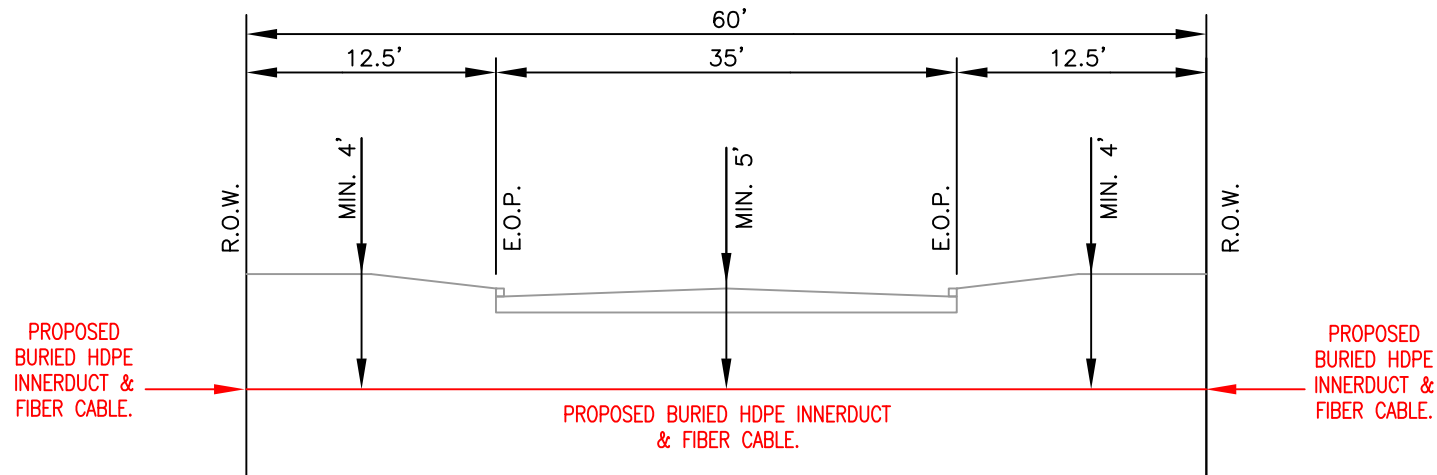
CLOUSTON AVE. @ W. BELLFORT ST.
LOOKING SOUTH

PROFILE SHEET 3

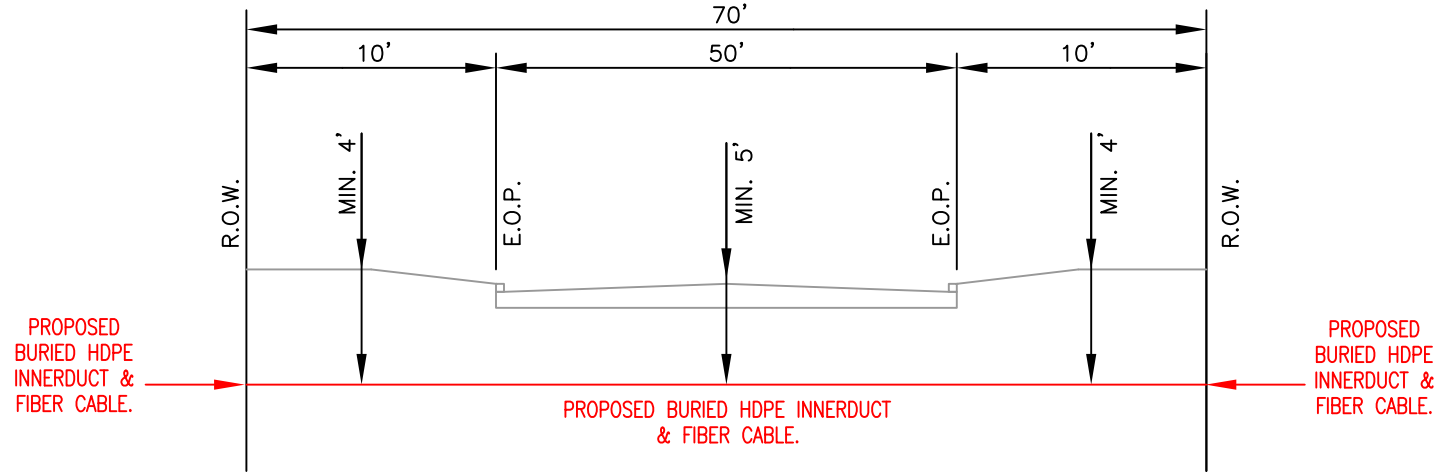
TITLE: CLUSTER 55 – FORT BEND PERMIT W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 346-206-5092			
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 22
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			



HARLEM RD. @ W. BELLFORT ST.
LOOKING SOUTH



WATERVIEW TOWN CENTER @ W. BELLFORT ST.
LOOKING SOUTH



WATERVIEW MEADOW DR. @ W. BELLFORT ST.
LOOKING SOUTH

PROFILE SHEET 4

TITLE: CLUSTER 55 – FORT BEND PERMIT
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHORSE 346-206-5092

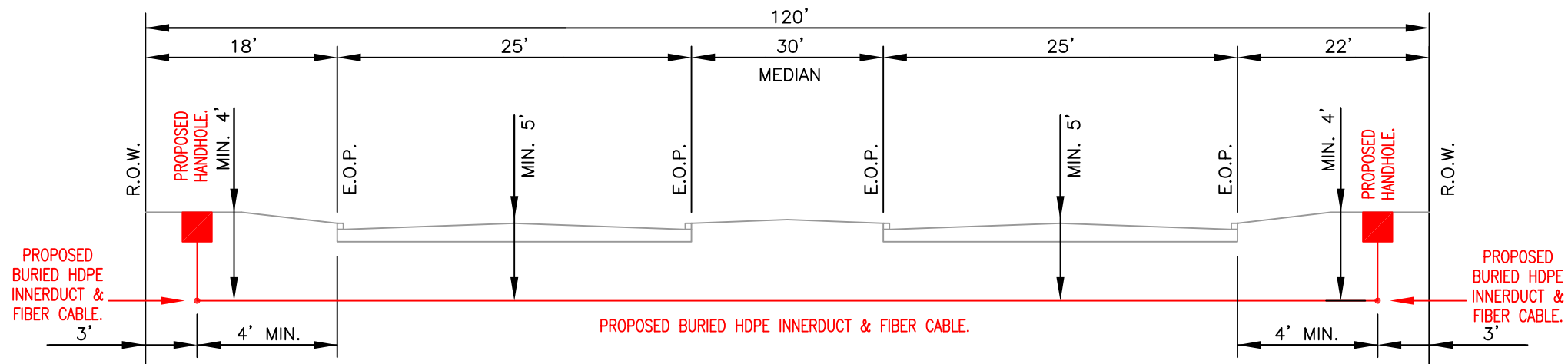
DWG: Fort Bend – W Belfort St – Cluster 55.dwg

DRAWING	DATE	ENG DESIGN
ORIGINAL	04/13/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

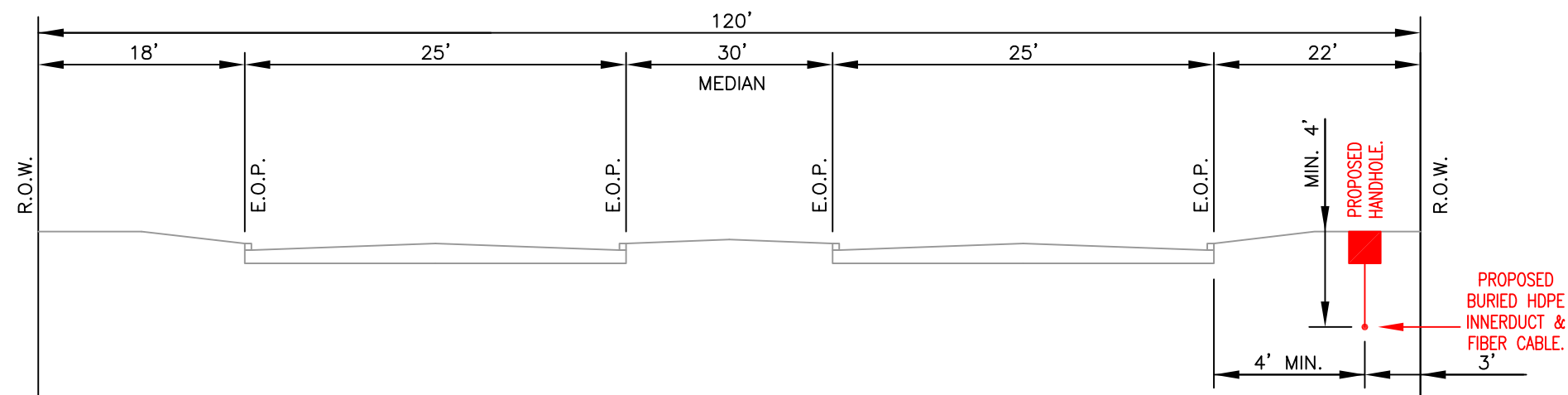
CROWN CASTLE FIBER

PAGE: 23
OF: 25

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER




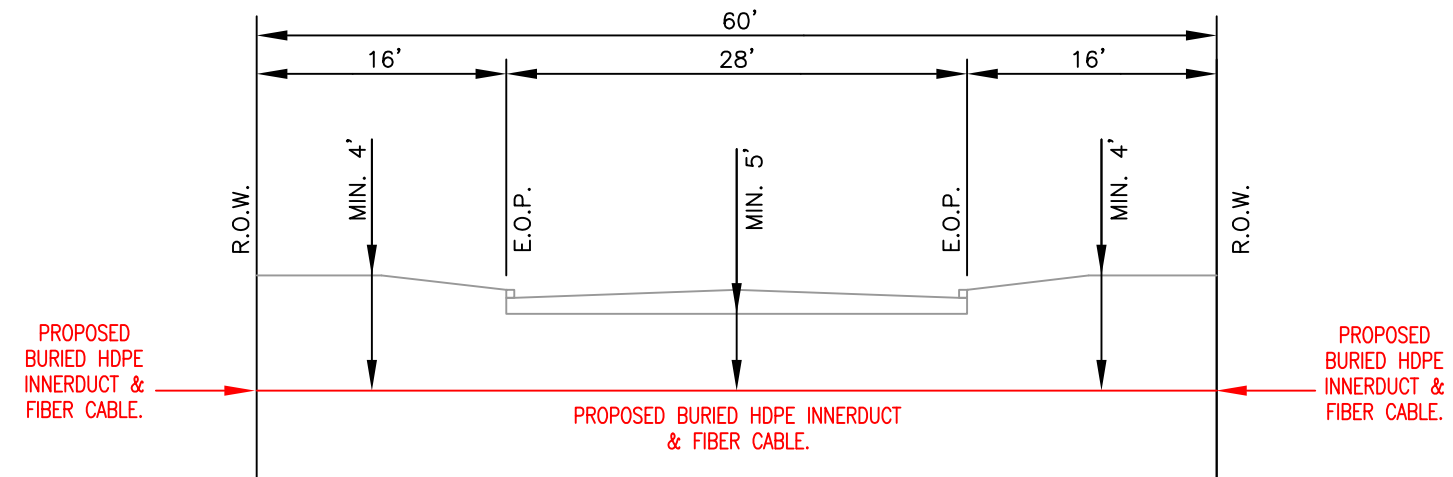
W. BELLFORT ST. @ 120 FT. EAST OF CENTERLINE
OF OXFORD CHASE TRAIL
LOOKING WEST



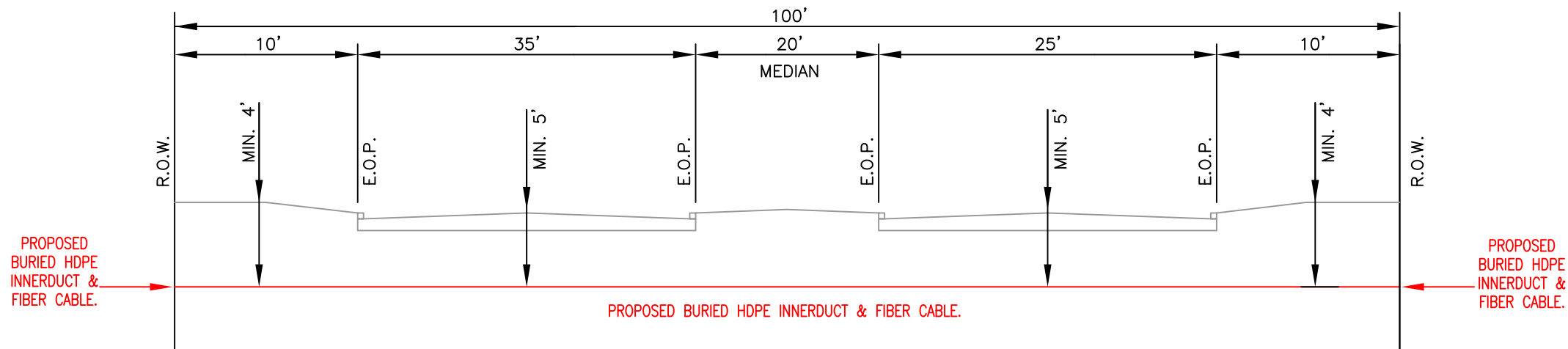
W. BELLFORT ST. FROM 120 FT. EAST OF CENTERLINE
OF OXFORD CHASE TRAIL TO 119 FT. TO THE EAST
LOOKING WEST

PROFILE SHEET 5

TITLE: CLUSTER 55 - FORT BEND PERMIT			
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 346-206-5092			
DWG: Fort Bend - W Bellfort St - Cluster 55.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 24
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			




LAKE JACKSON LN. @ W. BELLFORT ST.
LOOKING SOUTH



S. MASON RD. @ W. BELLFORT ST.
LOOKING SOUTH

PROFILE SHEET 6

TITLE: CLUSTER 55 – FORT BEND PERMIT			
W. BELLFORT FROM FM 1464 TO W. GRAND PKWY. S.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHORSE 346-206-5092			
DWG: Fort Bend – W Bellfort St – Cluster 55.dwg			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/13/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 25
			OF: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			

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

Guidance:

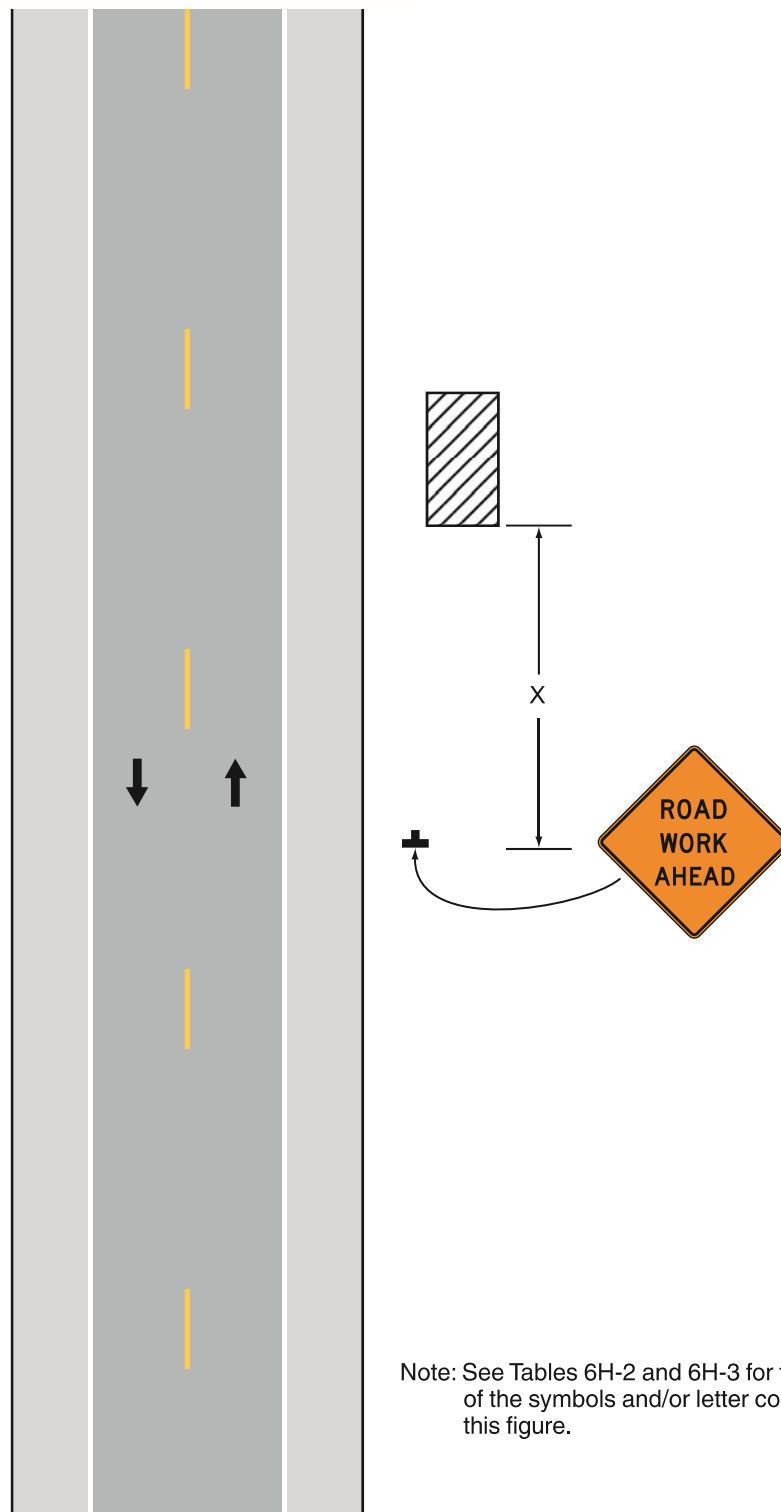
1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

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)**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.**

