



**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: 2018-20346

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

By: _____
Deputy

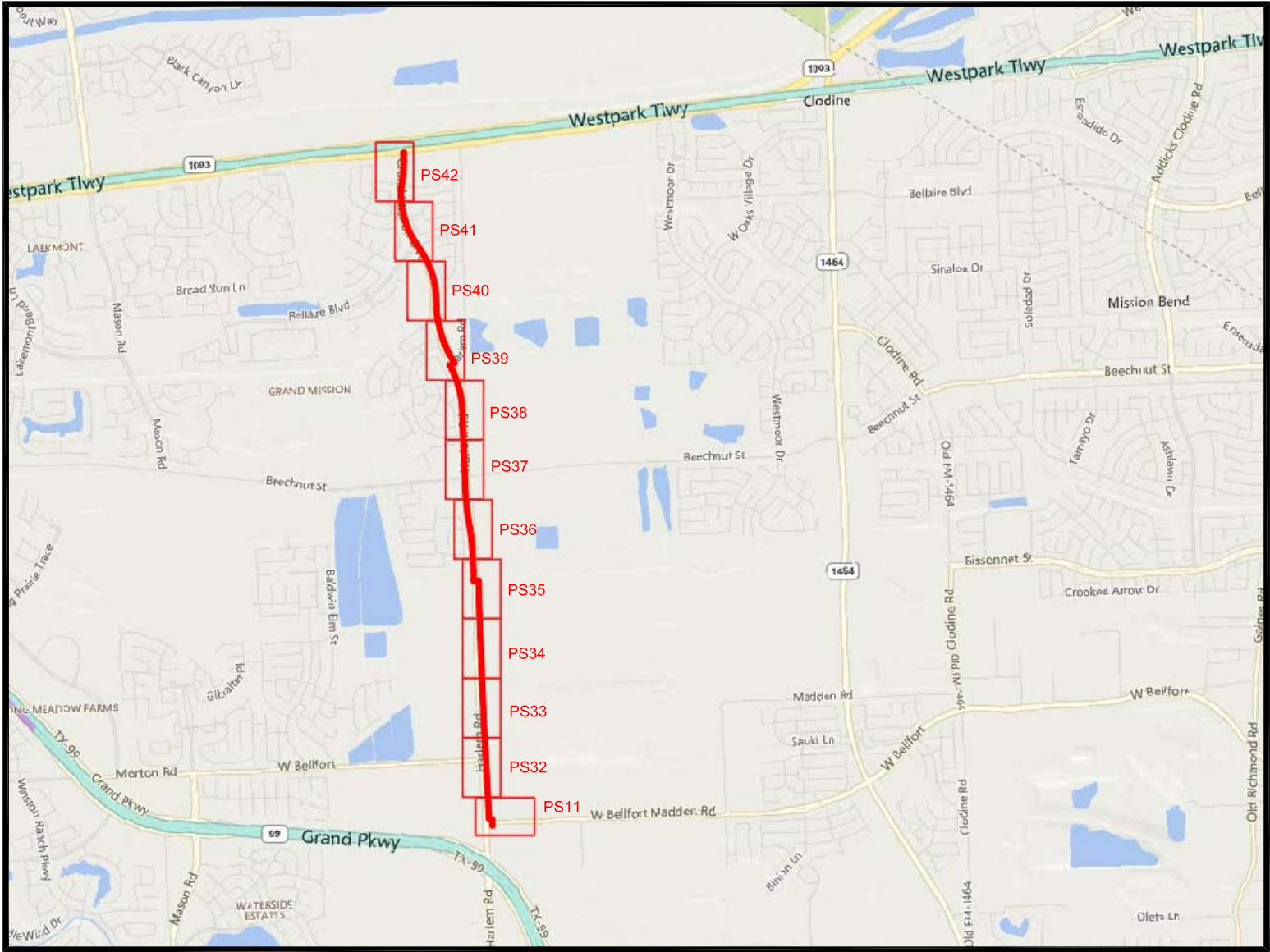
Fort Bend County

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 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 Harlem Rd. and Grand Mission Blvd.		
LOC: FORT BEND COUNTY		
PMO# / TGT BUILDING ID: N/A		
PM: RONNIE SHORTHOSE 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: 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 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 |
- ### FORT BEND COUNTY
- CARMEN ESCOBAR, CFM
PERMIT ADMINISTER
FORT BEND COUNTY ENGINEERING
281-633-7503
- ### WRITTEN NOTICES ARE REQUIRED:
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- PERMIT ADMINISTOR/FORT BEND COUNTY ENGINEERING
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 55 – FORT BEND PERMIT
Harlem Rd. and Grand Mission Blvd. | | | | | | |
| LOC: FORT BEND COUNTY | | | | | | |
| PMO# / TGT BUILDING ID: N/A | | | | | | |
| PM: RONNIE SHORTHOSE 346–206–5092 | | | | | | |
| 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 | | | | |
| | | | PAGE: | 2 | | |
| | | | OF: | 27 | | |
| PROPRIETARY INFORMATION OF CROWN CASTLE FIBER | | | | | | |

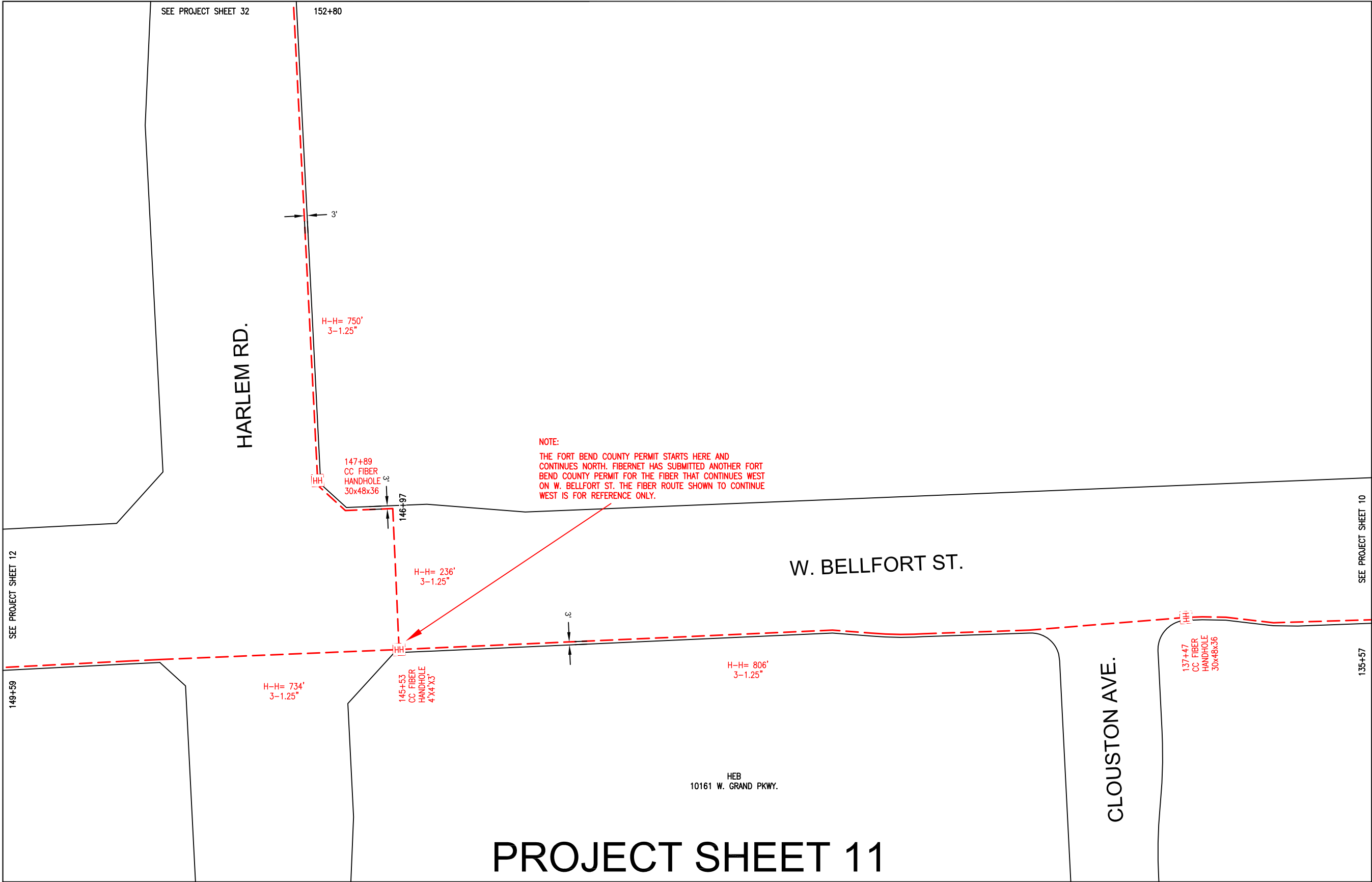
LEGEND

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	TELCO POLE	0+00 CC FIBER HANDHOLE SIZE	HANDHOLE PROPOSED		FOSC-4500		ABAN	P - FIBER - ISP - EXISTING																								
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	CONDUIT TYPE: TYPE																															
	NOTE:																															
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TITLE: CLUSTER 55 – FORT BEND F	
Harlem Rd. and Grand Missio	
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 Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
PMO# / TGT BUILDING ID: N/A			
PM: RONNIE SHORTHOSE 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	
			PAGE: 3
CROWN CASTLE FIBER			OF: 27
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

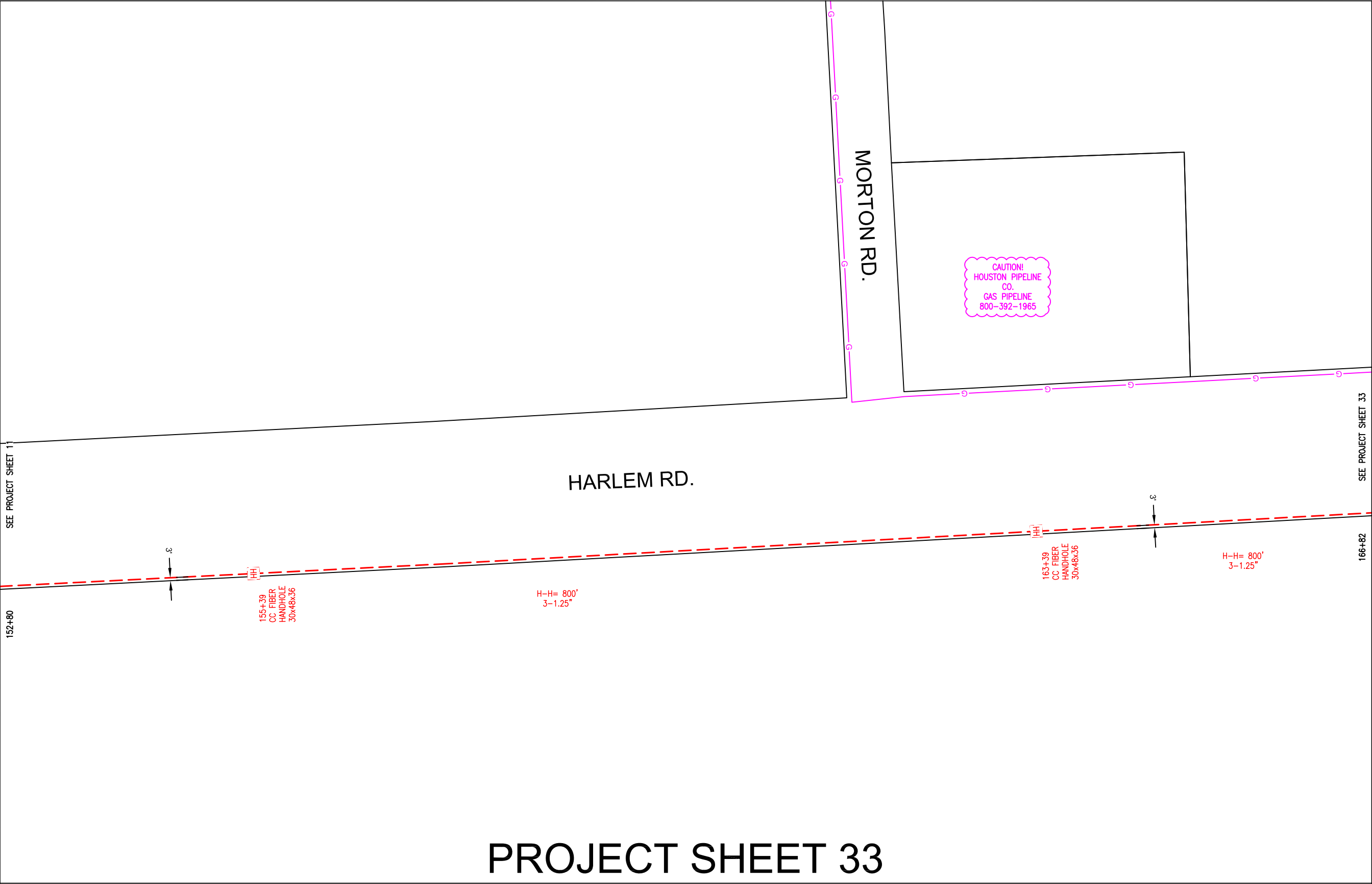
PROJECT CONSTRUCTION NOTES:

1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 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.

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 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
		PAGE: 4 OF: 27
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		



CONSTRUCTION NOTES

FORT BEND COUNTY

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SCALE: 1"=100'

PROJECT SHEET 33

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

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

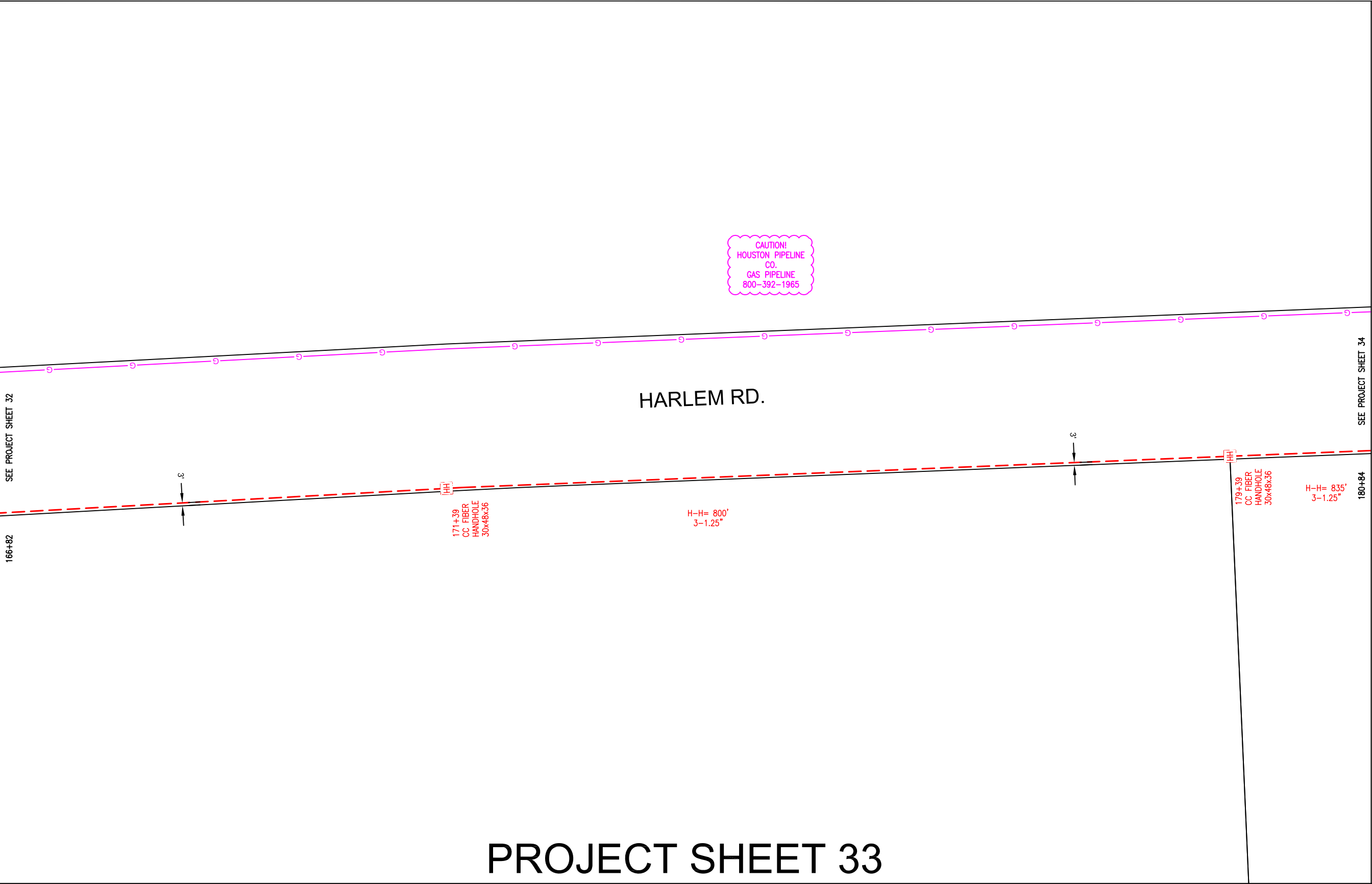
PM: RONNIE SHORTHOSE 346-206-5092

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

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PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



CONSTRUCTION NOTES

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
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PROJECT SHEET 33

SCALE: 1"=100'

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Harlem Rd. and Grand Mission Blvd.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

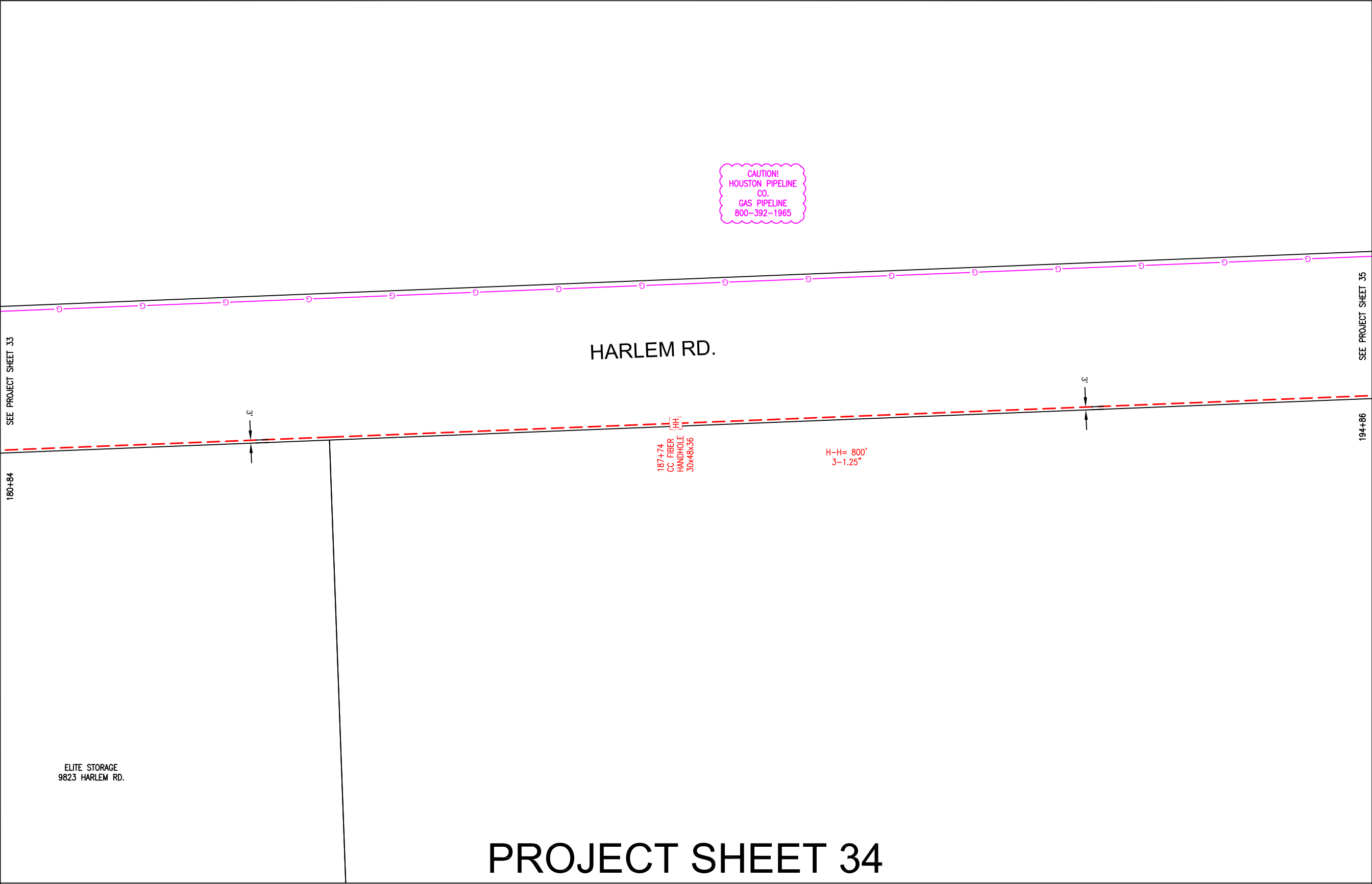
PM: RONNIE SHORTHOSE 346–206–5092

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

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OF: 27

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



PROJECT SHEET 34

CONSTRUCTION NOTES

FORT BEND COUNTY

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

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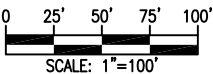
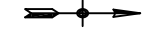
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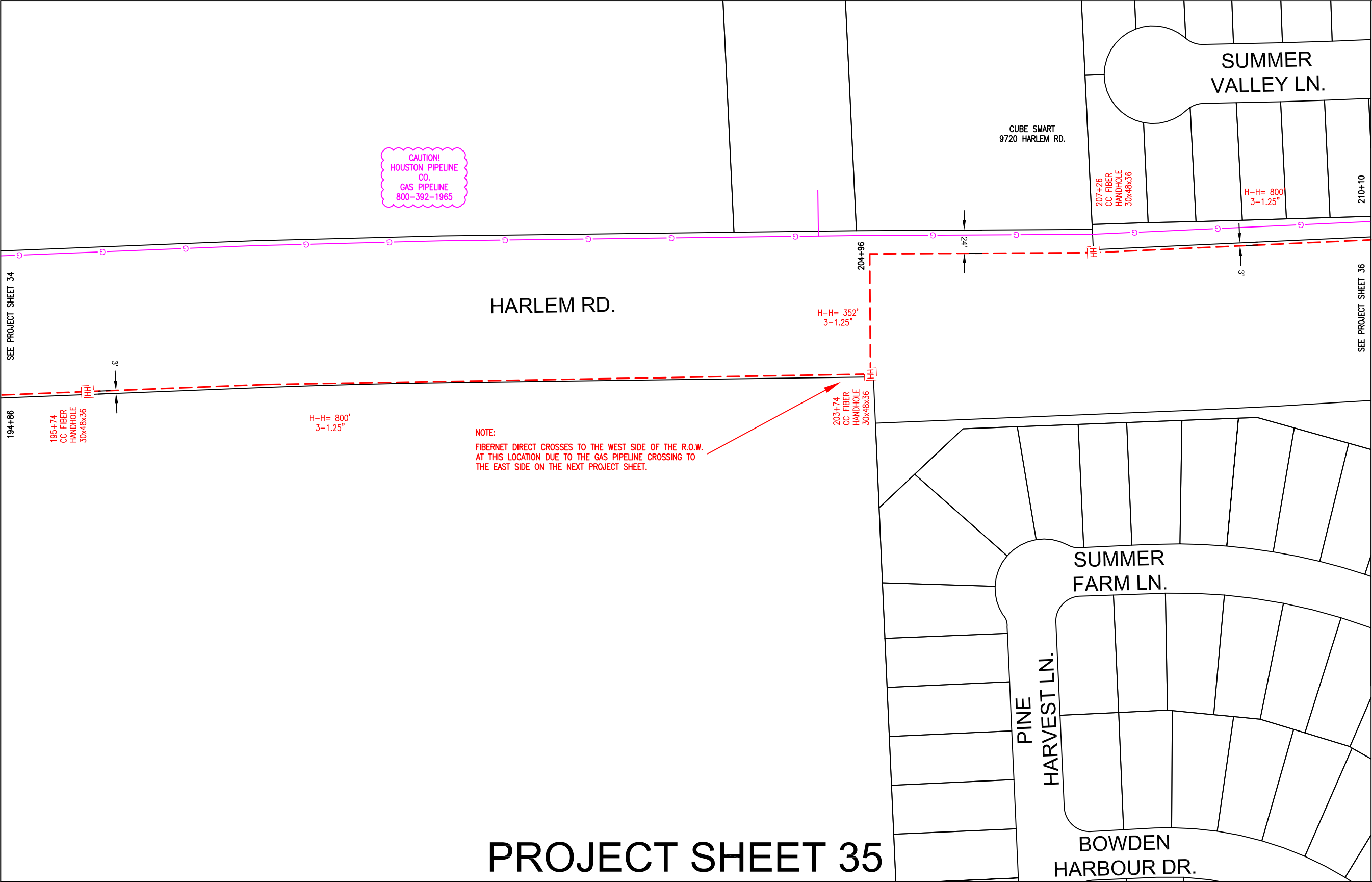
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Know what's below.
Call before you dig.



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 346-206-5092		
DWG: Fort Bend – Harlem–Grand Mission – Cluster 5		
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AS-BUILT	N/A	N/A
		PAGE: 7
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		OF: 27



CONSTRUCTION NOTES

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
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FORT BEND COUNTY ENGINEERING
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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 346-206-5092

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

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

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

CROWN CASTLE FIBER

PAGE: 8 OF: 27

PROPRIETARY INFORMATION OF CROWN CASTLE 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 35A - AERIAL IMAGE FOR REFERENCE ONLY

CONSTRUCTION NOTES

FORT BEND COUNTY

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

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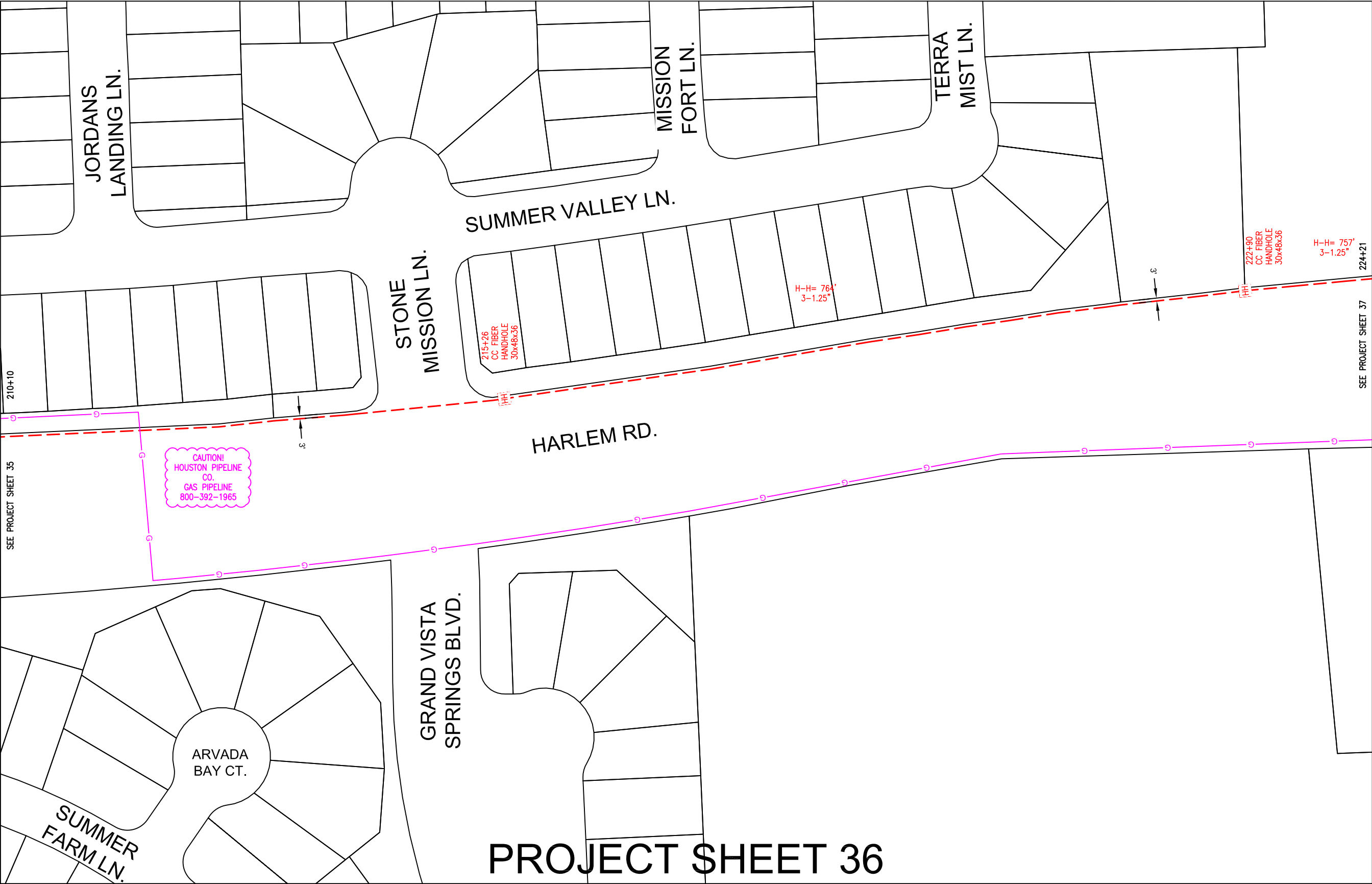
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TITLE: CLUSTER 55 – FORT BEND PERMIT Harlem Rd. and Grand Mission Blvd.		
LOC: FORT BEND COUNTY		
PMO# / TGT BUILDING ID: N/A		
PM: RONNIE SHORTHOSE 346-206-5092		
DWG: Fort Bend – Harlem-Grand Mission – Cluster 5		
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ORIGINAL	04/18/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A

PAGE: 9
OF: 27

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



CONSTRUCTION NOTES

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
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PROJECT SHEET 36

SEE PROJECT SHEET 35

SEE PROJECT SHEET 37

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

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHOSE 346-206-5092

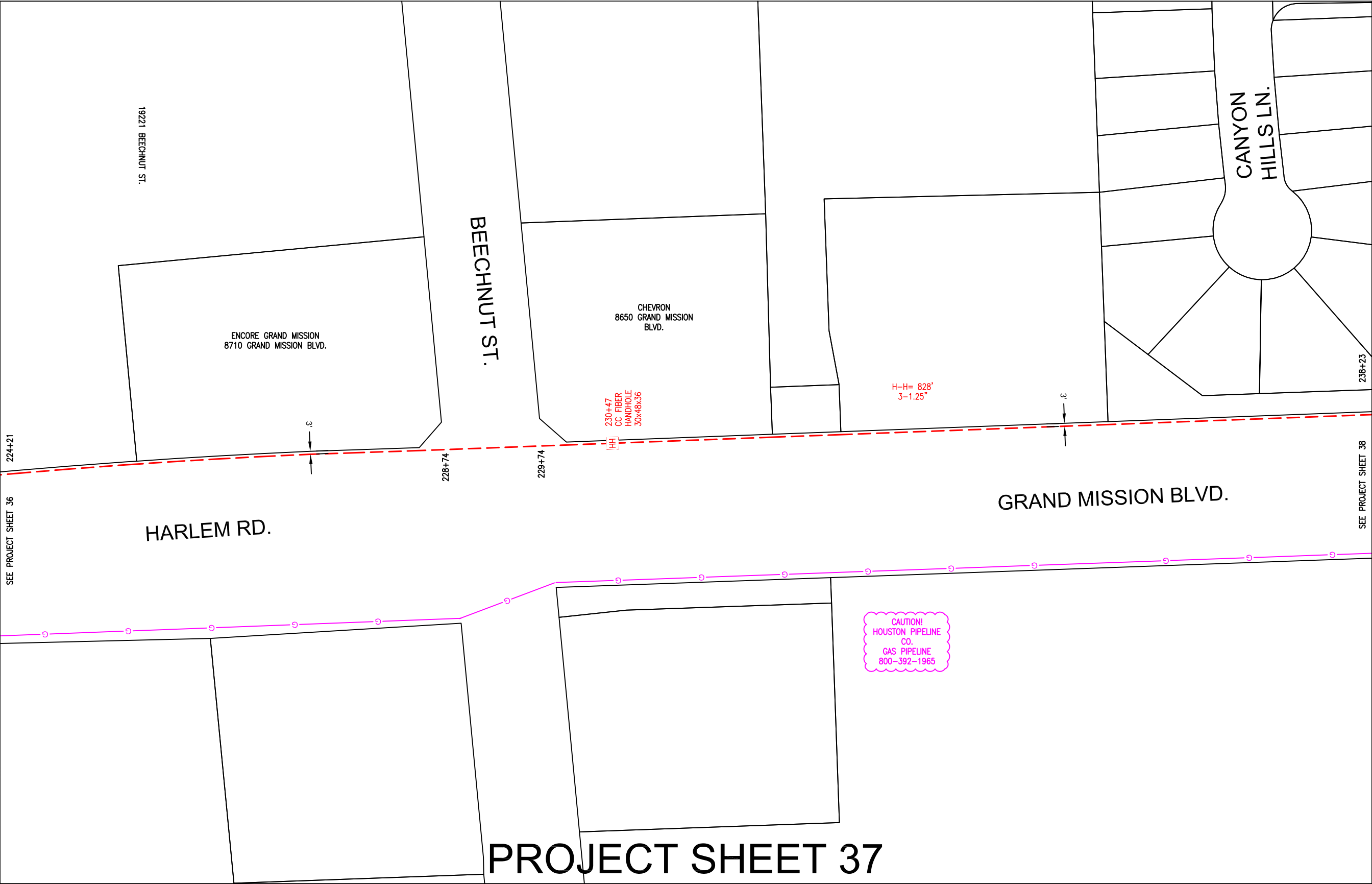
DWG: Fort Bend - Harlem-Grand Mission - Cluster 55

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: 10
OF: 27

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



CONSTRUCTION NOTES

FORT BEND COUNTY

CARMEN ESCOBAR, CFM
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281-633-7503

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P.O. BOX 1449, ROSENBERG, TX 77471

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SEE PROJECT SHEET 36

224+21

228+74

229+74

238+23

SEE PROJECT SHEET 38

ENCORE GRAND MISSION
8710 GRAND MISSION BLVD.

CHEVRON
8650 GRAND MISSION BLVD.

230+47
CC FIBER
HANDHOLE
30x48x36

H-H= 828'
3-1.25"

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

HARLEM RD.

GRAND MISSION BLVD.

PROJECT SHEET 37

SCALE: 1"=100'

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

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

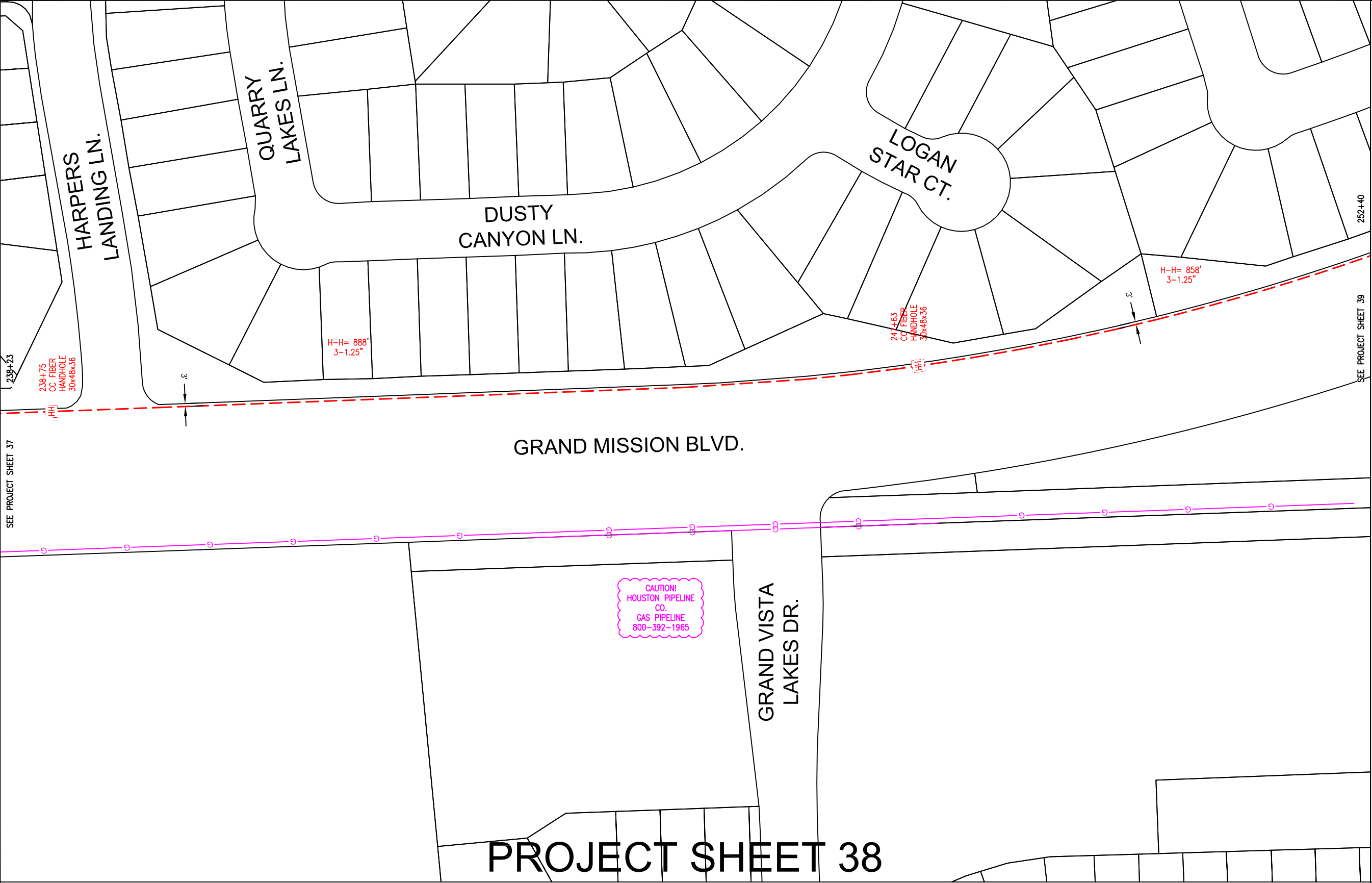
PM: RONNIE SHORTHOSE 346-206-5092

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

PAGE: 11
OF: 27

PROPRIETARY INFORMATION OF CROWN CASTLE FIBER



CONSTRUCTION NOTES

FORT BEND COUNTY

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

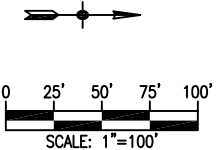
WRITTEN NOTICES ARE REQUIRED:

1. 48 HOURS IN ADVANCE OF START OF CONSTRUCTION.

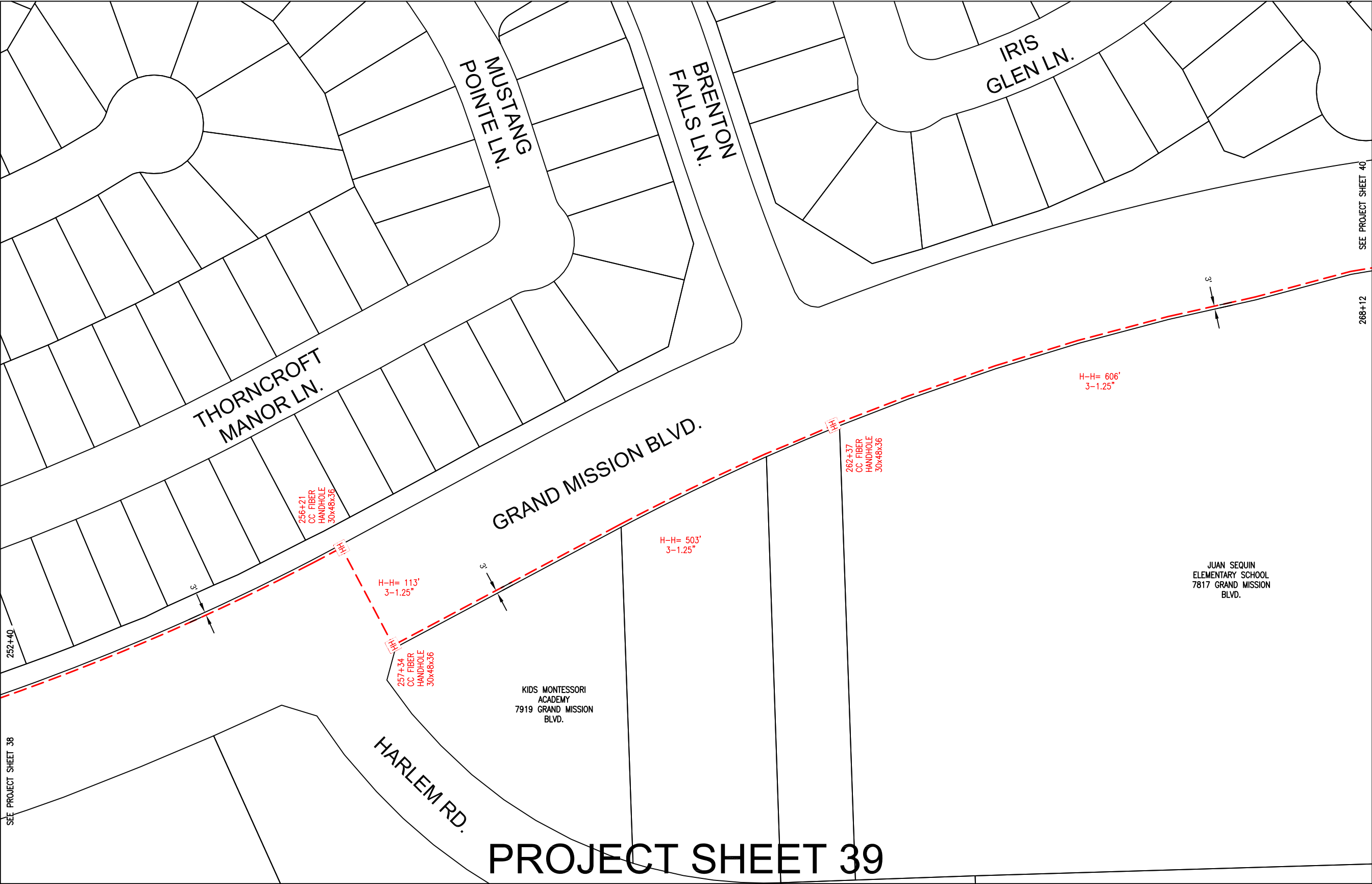
2. WHEN CONSTRUCTION IS COMPLETE AND READY FOR FINAL INSPECTION, MAIL TO:

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.



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 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: 12
			OF: 27
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)..

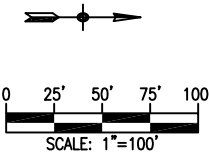
3. ALL PROPOSED HAND HOLES ARE 30"x48"x36" WITH 100' OF FIBER SLACK LOOP, UNLESS OTHERWISE INDICATED.

SEE PROJECT SHEET 38

SEE PROJECT SHEET 40

268+12

PROJECT SHEET 39



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 346-206-5092		
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: 13 OF: 27
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

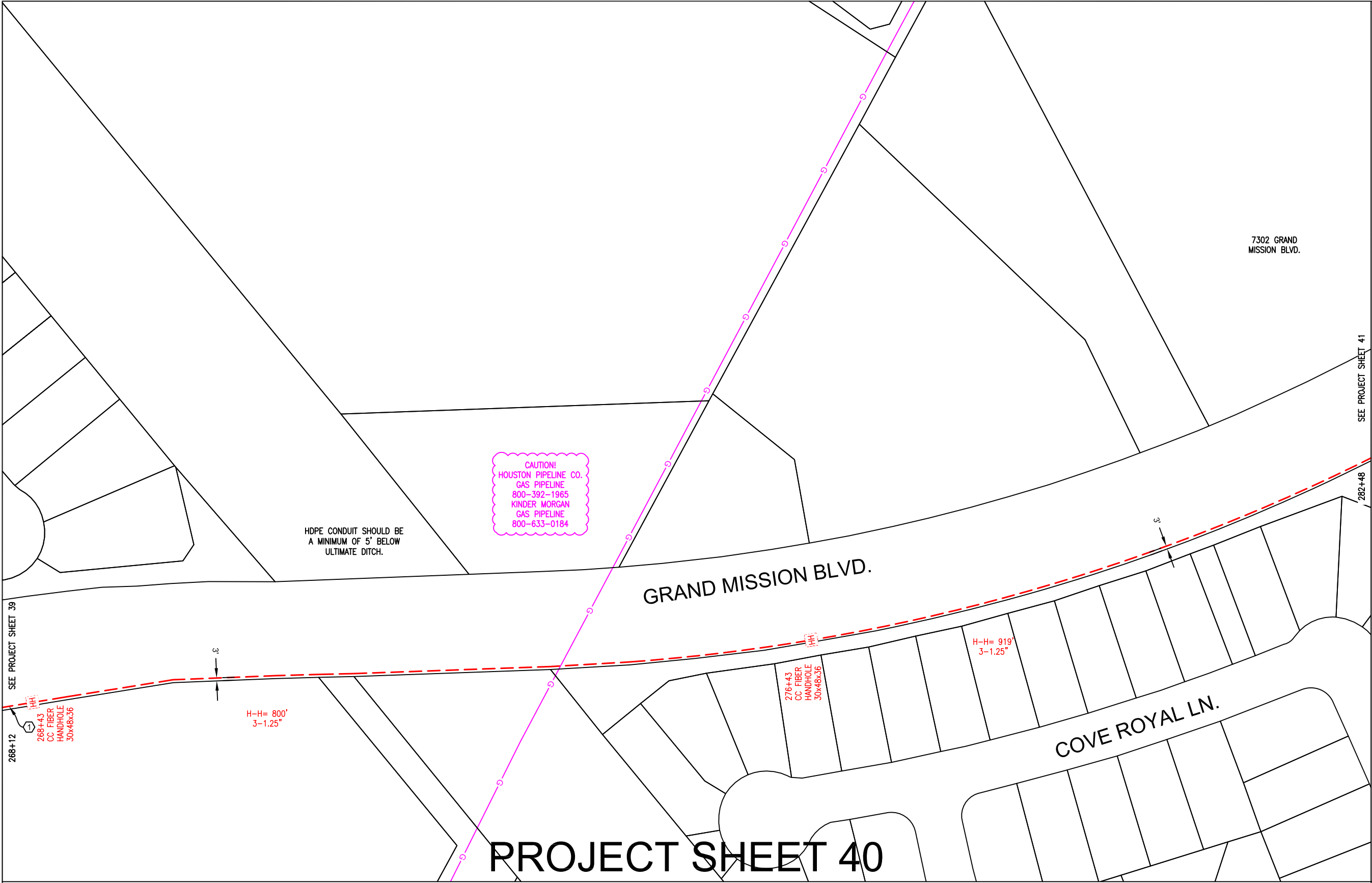
- PROJECT CONSTRUCTION NOTES:
1. ALL PROPOSED U/G CONSTRUCTION SHOWN IN RED ON THIS PLAT WILL INDICATE BORING THREE 1 1/4" HDPE INNERDUCTS AND ONE FIBER CABLE.
 2. FIBER OPTIC SHOULD BE MINIMUM 48-INCHES UNDER NATURAL GROUND AND UNDER PAVEMENT (INCLUDING ALL PUBLIC CROSS STREETS)..
 3. ALL PROPOSED HAND 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 39A - AERIAL IMAGE FOR REFERENCE ONLY

SCALE: 1"=100'

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 5			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 14
			OF: 27
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 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
Harlem Rd. and Grand Mission Blvd.

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

PM: RONNIE SHORTHOSE 346-206-5092

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

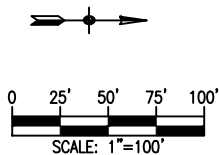
PAGE: 15
OF: 27


PROPRIETARY INFORMATION OF CROWN CASTLE FIBER

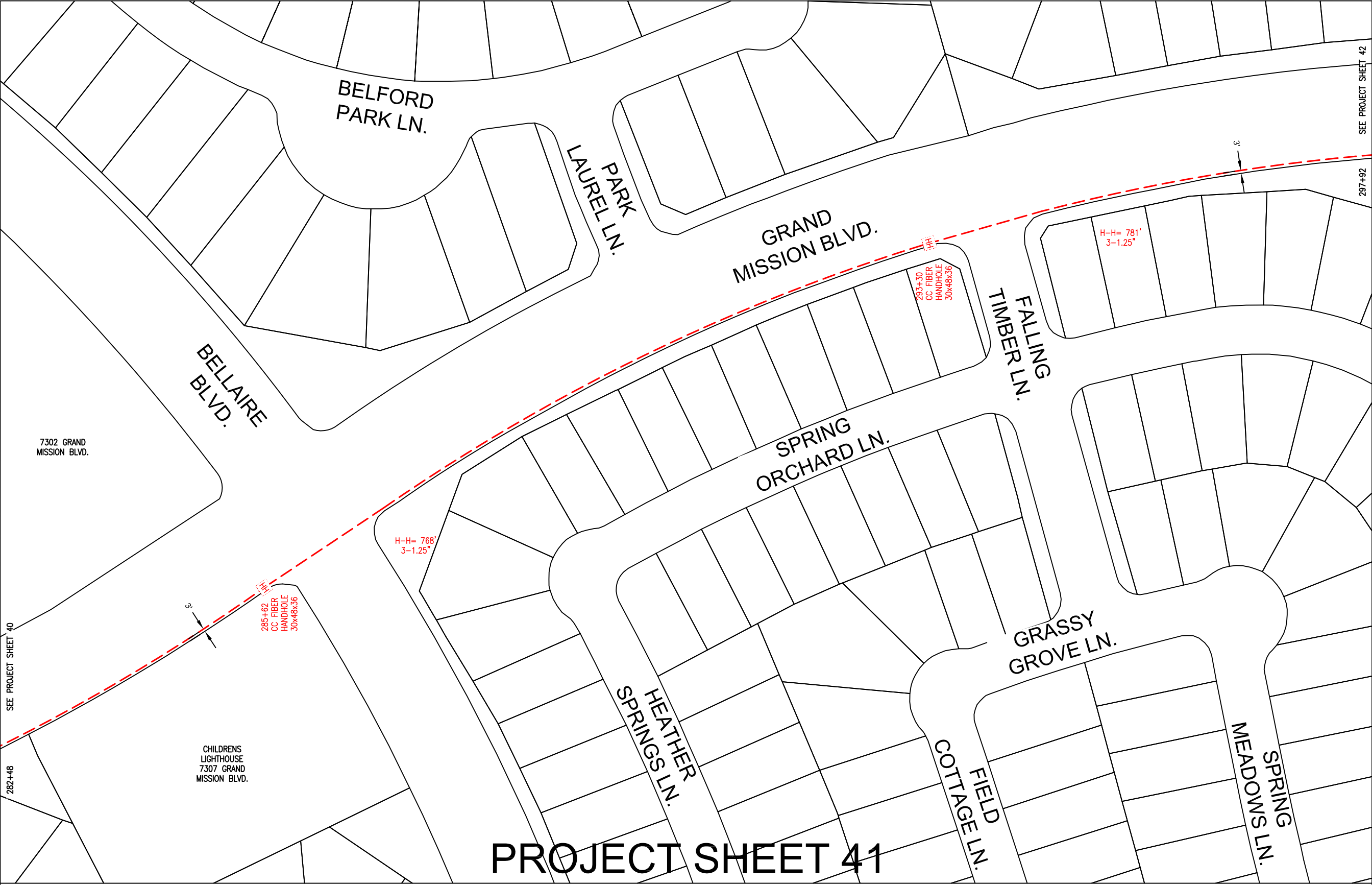
COVE ROYAL LN.

H-H= 919'
3-1.25"

PROJECT SHEET 40A - 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 SHORTHOSE 346-206-5092		
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: 16 OF: 27
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		



PROJECT SHEET 41

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.

SEE PROJECT SHEET 40

282+48

CHILDRENS
LIGHTHOUSE
7307 GRAND
MISSION BLVD.

285+62
CC FIBER
HANDHOLE
30x48x36

H-H= 768'
3-1.25"

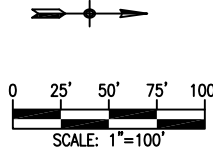
HEATHER
SPRINGS LN.

SPRING
ORCHARD LN.

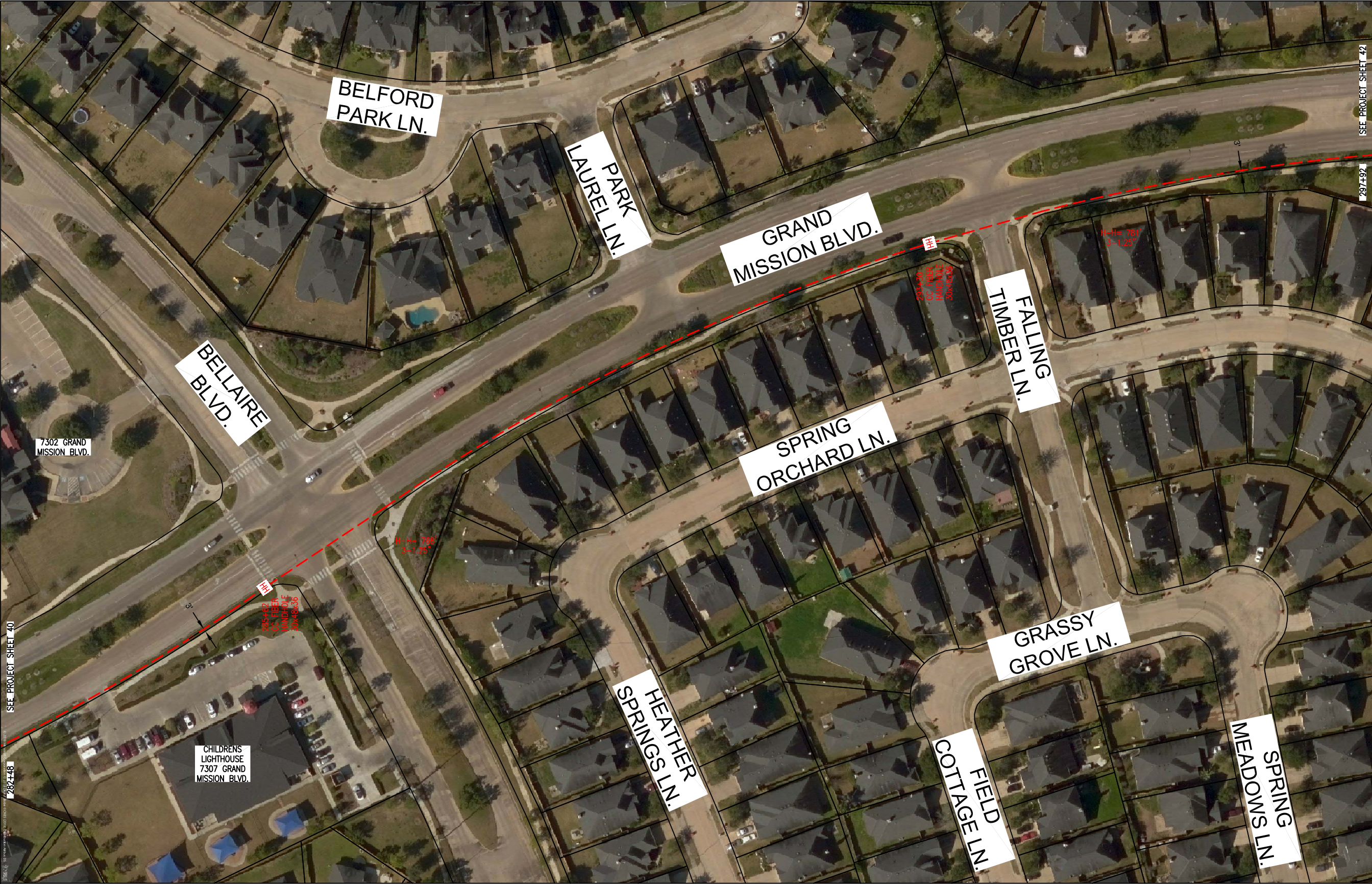
COTTAGE
FIELD
LN.

GRASSY
GROVE LN.

SPRING
MEADOWS LN.



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 5			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 17
			OF: 27
PROPRIETARY INFORMATION OF CROWN CASTLE 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

SCALE: 1"=100'

CONSTRUCTION NOTES

FORT BEND COUNTY

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

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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.

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

LOC: FORT BEND COUNTY

PMO# / TGT BUILDING ID: N/A

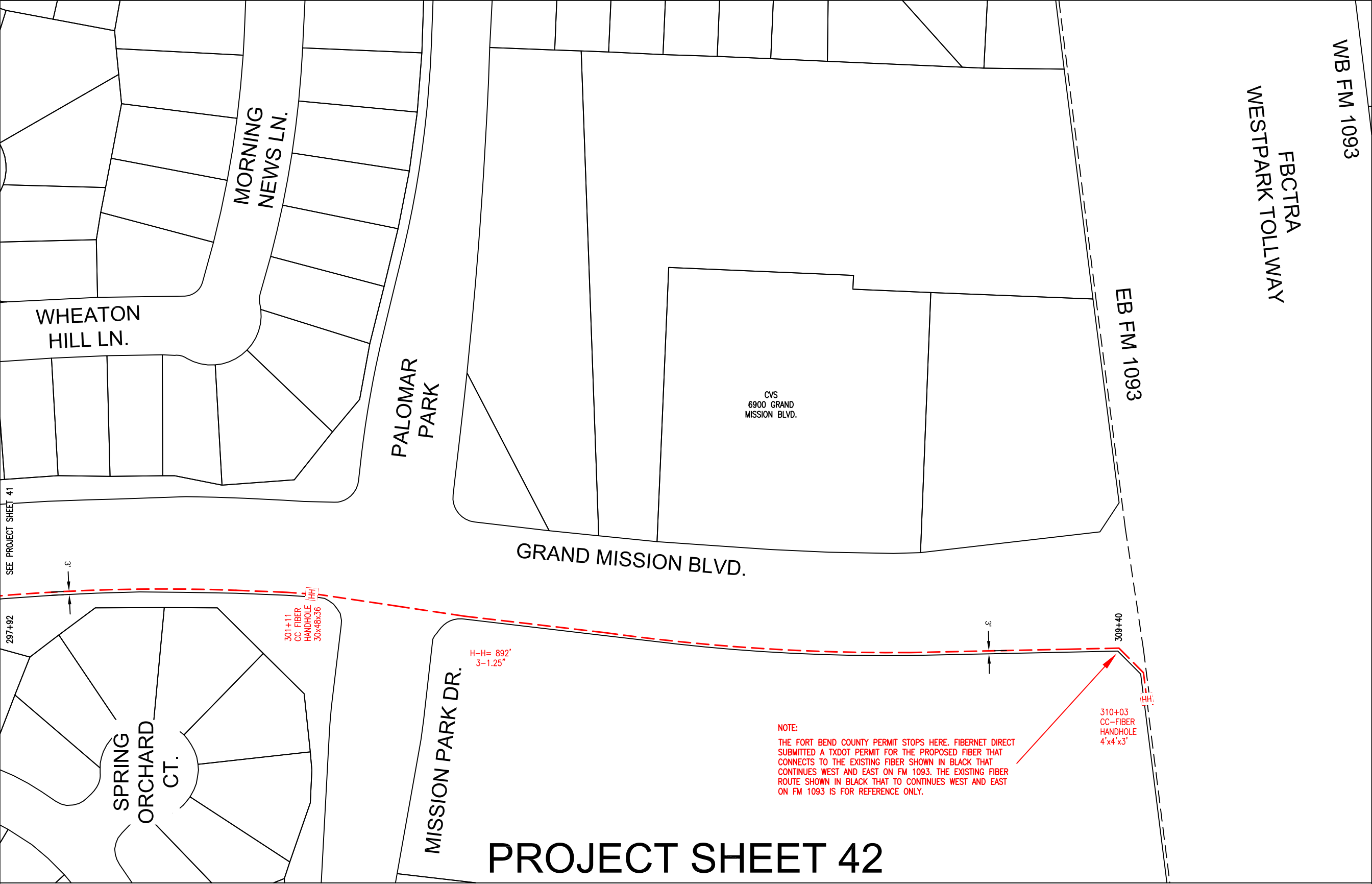
PM: RONNIE SHORTHORSE 346-206-5092

DWG: Fort Bend - Harlem-Grand Mission - Cluster 5

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

PAGE: 18
OF: 27

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 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 42

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 346–206–5092			
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	
			PAGE: 19
			OF: 27
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.

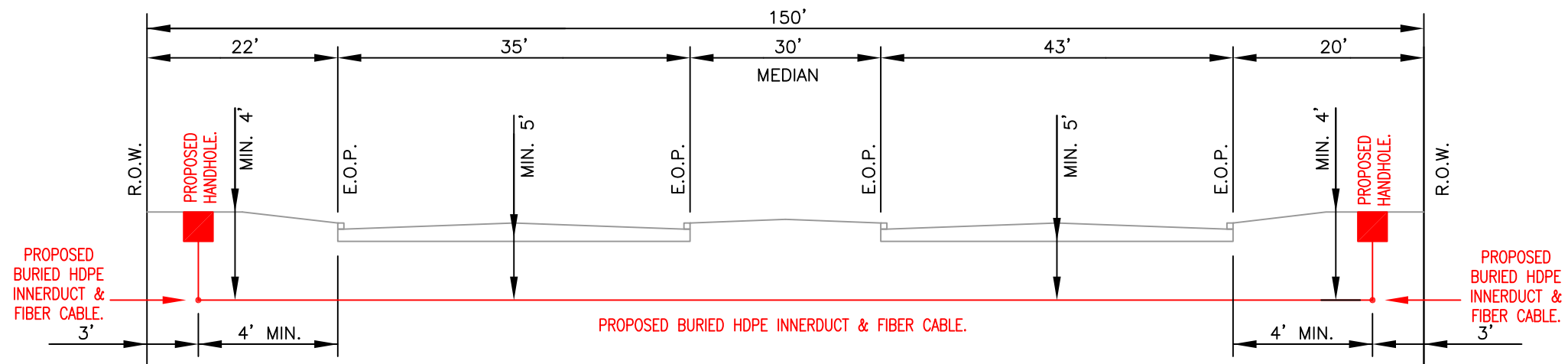
NOTE:
EXISTING PARCELS & RIGHT OF WAY ARE BASED ON F.B.C.A.D. GIS MAP. AERIAL IMAGES ARE FROM BING MAPS. THE AERIAL IMAGE WITH THE DESIGN IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY THE ROAD RIGHT OF WAY AND EASEMENTS PRIOR TO COMMENCING WORK.

PROJECT SHEET 42A - AERIAL IMAGE FOR REFERENCE ONLY

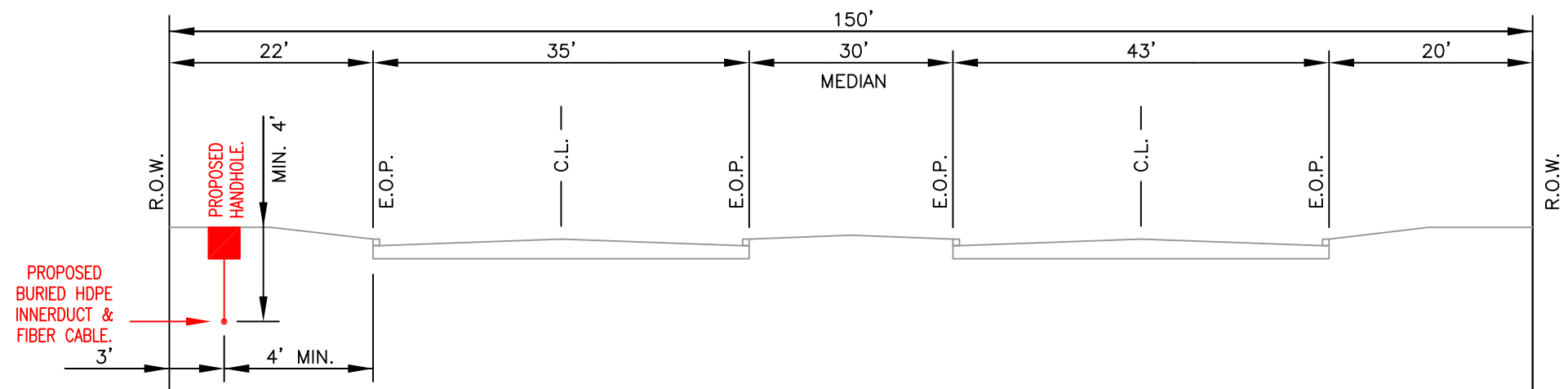
0 25' 50' 75' 100'
SCALE: 1"=100'

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

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	
			PAGE: 20
			OF: 27
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			




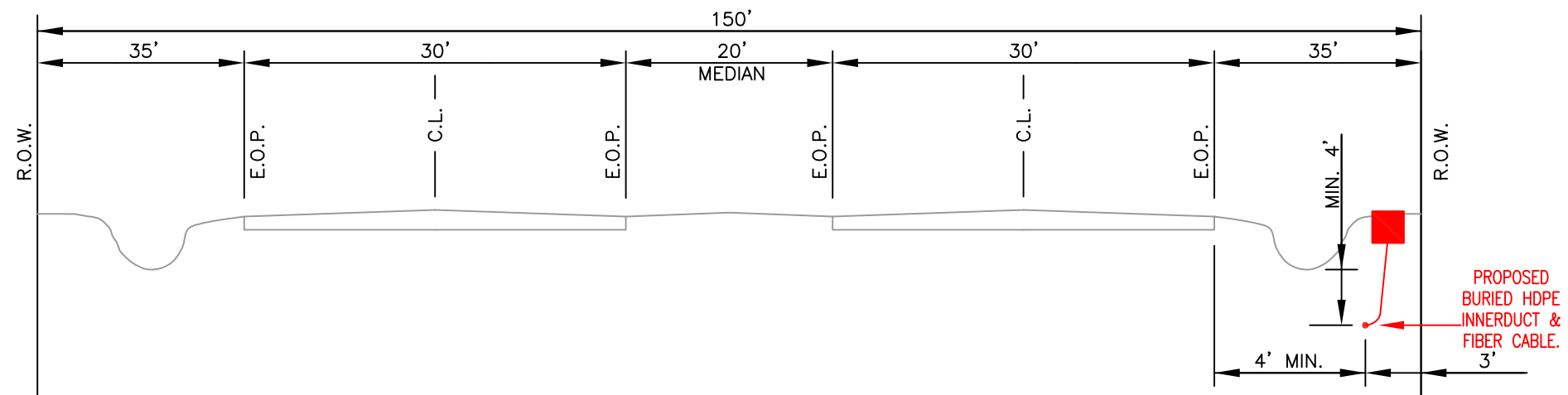
W. BELLFORT ST. @ HARLEM RD.
LOOKING EAST



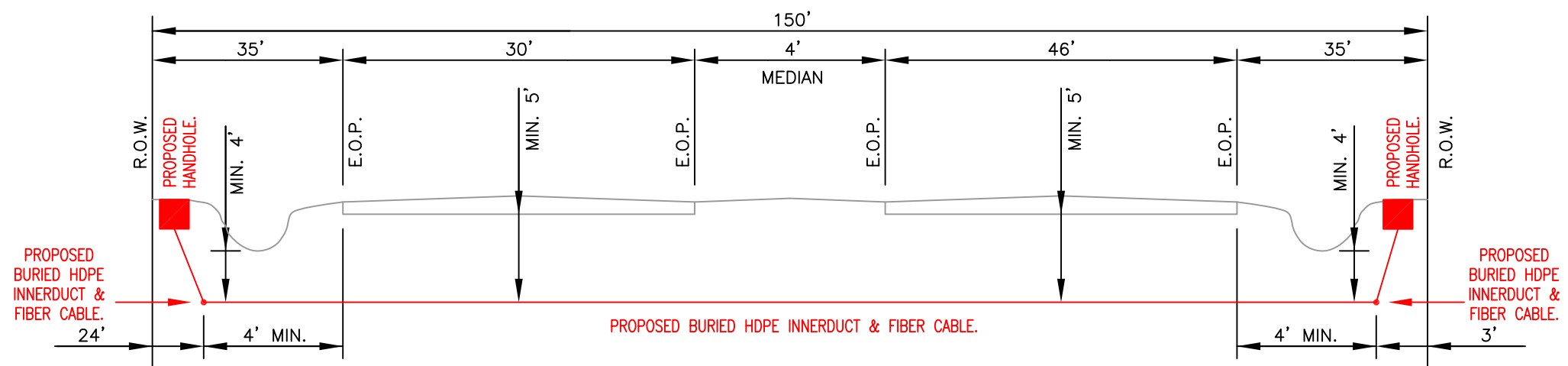
W. BELLFORT ST. (92 FT.) @ HARLEM RD.
LOOKING EAST

PROFILE SHEET 1

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 5		
DRAWING	DATE	ENG DESIGN
ORIGINAL	04/18/18	FCS
Rev#1	N/A	N/A
AS-BUILT	N/A	N/A
		PAGE: 21
		OF: 27
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		




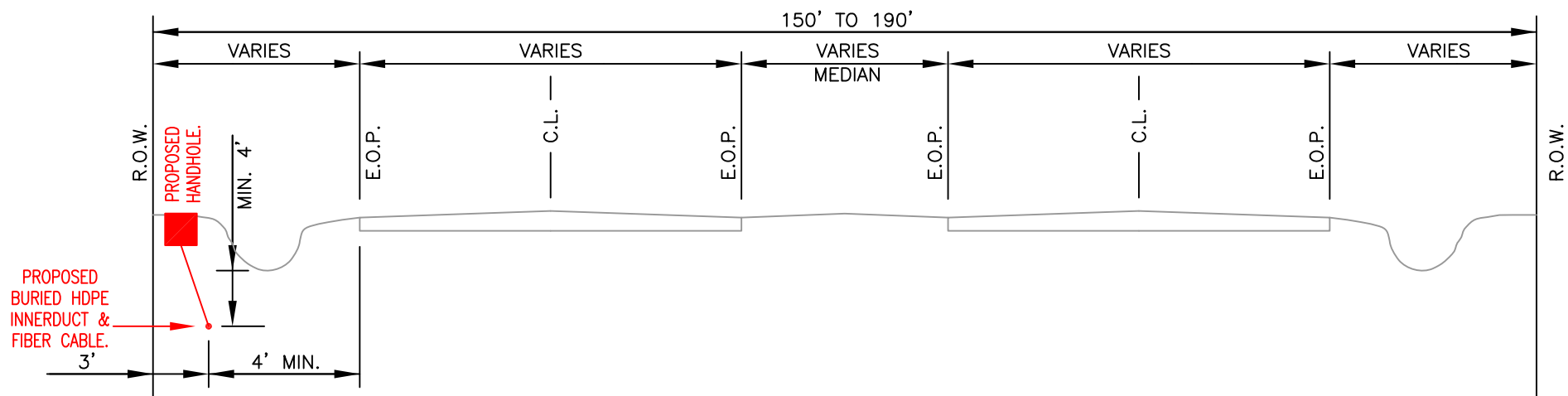
HARLEM RD. FROM W. BELLFORT ST. TO STA. NO. 203+74
LOOKING NORTH



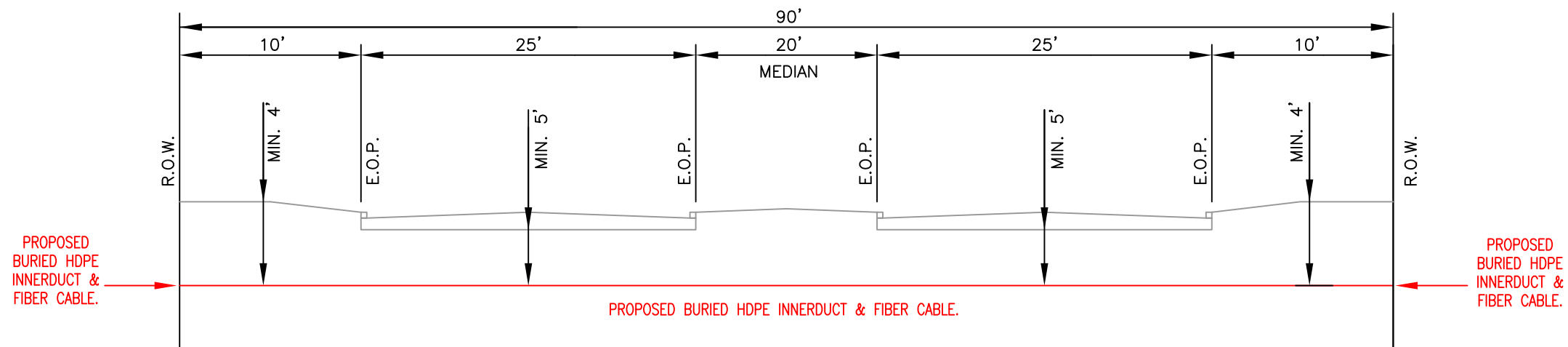
HARLEM RD. FROM STA. NO. 203+74 TO STA. NO. 204+96
LOOKING NORTH

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		
PM: RONNIE SHORTHORSE 346-206-5092		
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
		PAGE: 22
		OF: 27
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		




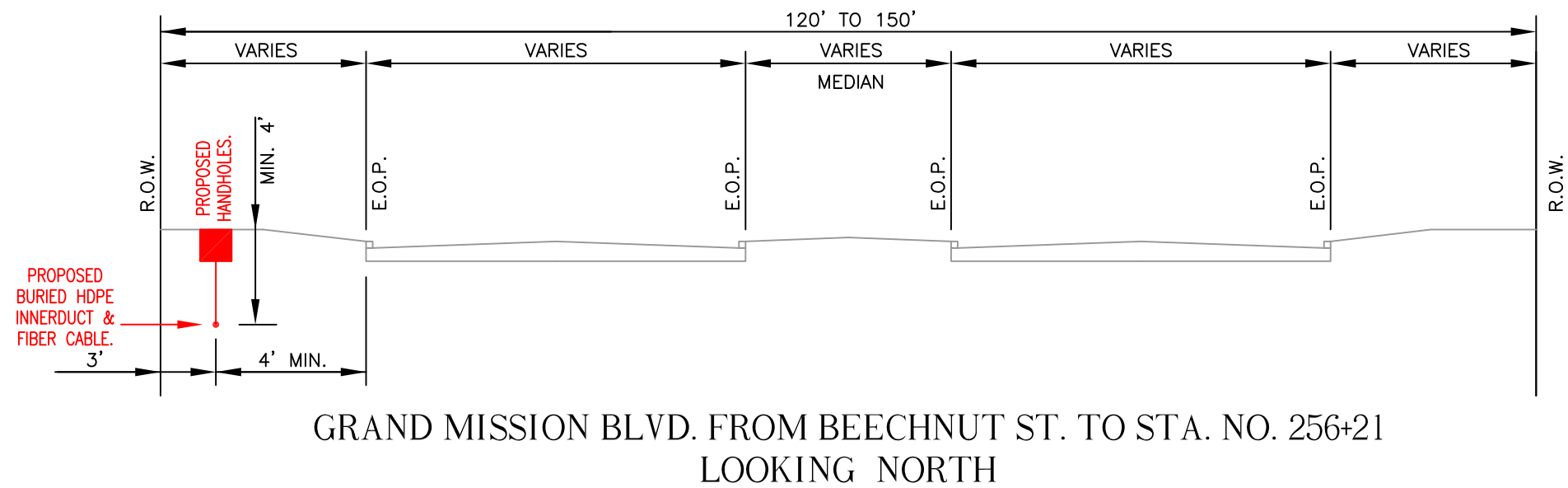
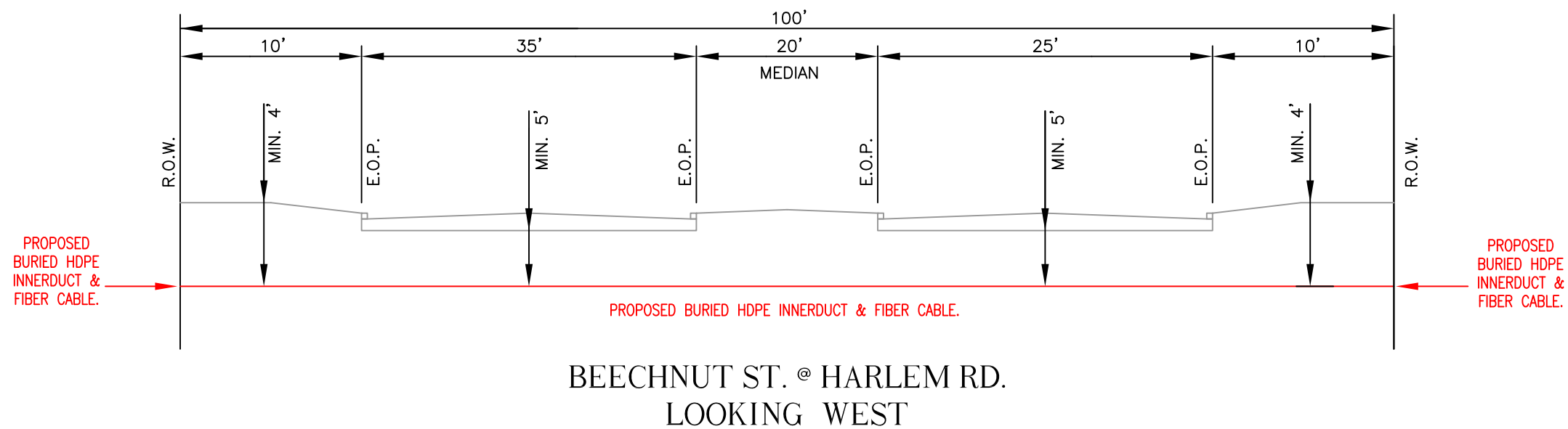
HARLEM RD. FROM STA. NO. 204+96 TO BEECHNUT ST.
LOOKING NORTH




STONE MISSION LN. @ HARLEM RD.
LOOKING WEST

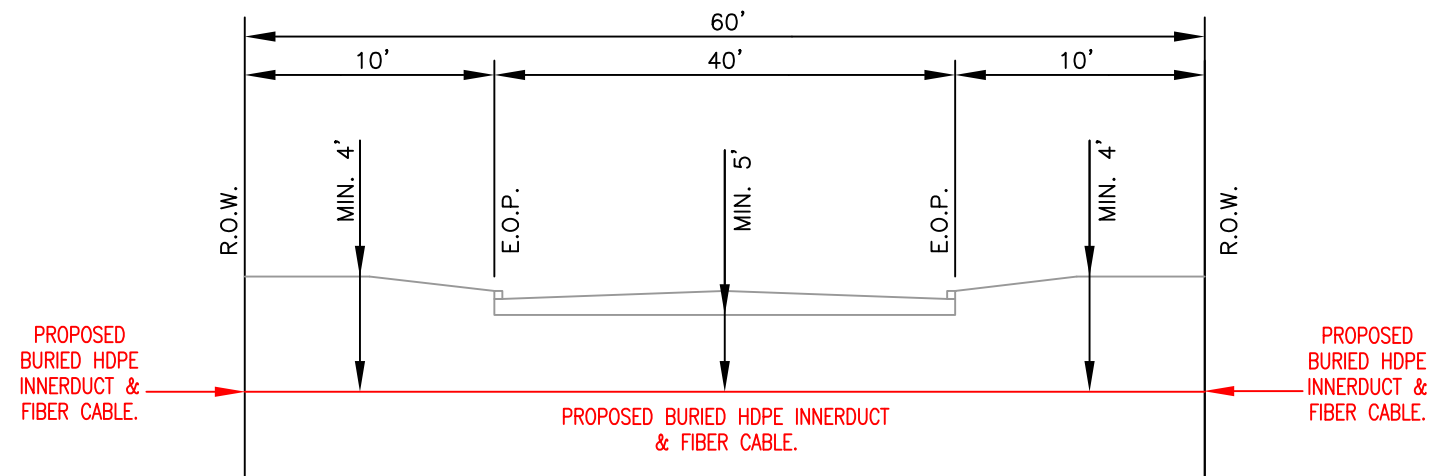
PROFILE SHEET 3

TITLE: CLUSTER 55 - FORT BEND PERMIT Harlem Rd. and Grand Mission Blvd.			
LOC: FORT BEND COUNTY			
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	
			PAGE: 23
			OF: 27
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			

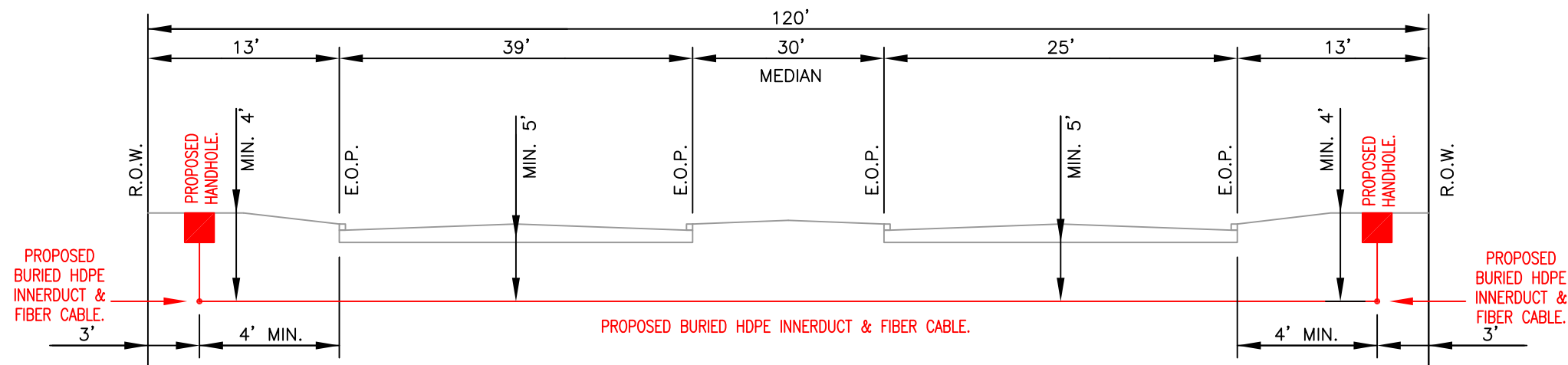


PROFILE SHEET 4

TITLE: CLUSTER 55 - FORT BEND PERMIT Harlem Rd. and Grand Mission Blvd.		
LOC: FORT BEND COUNTY		
PMO# / TGT BUILDING ID: N/A		
PM: RONNIE SHORTHOSE 346-206-5092		
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
		PAGE: 24 OF: 27
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		



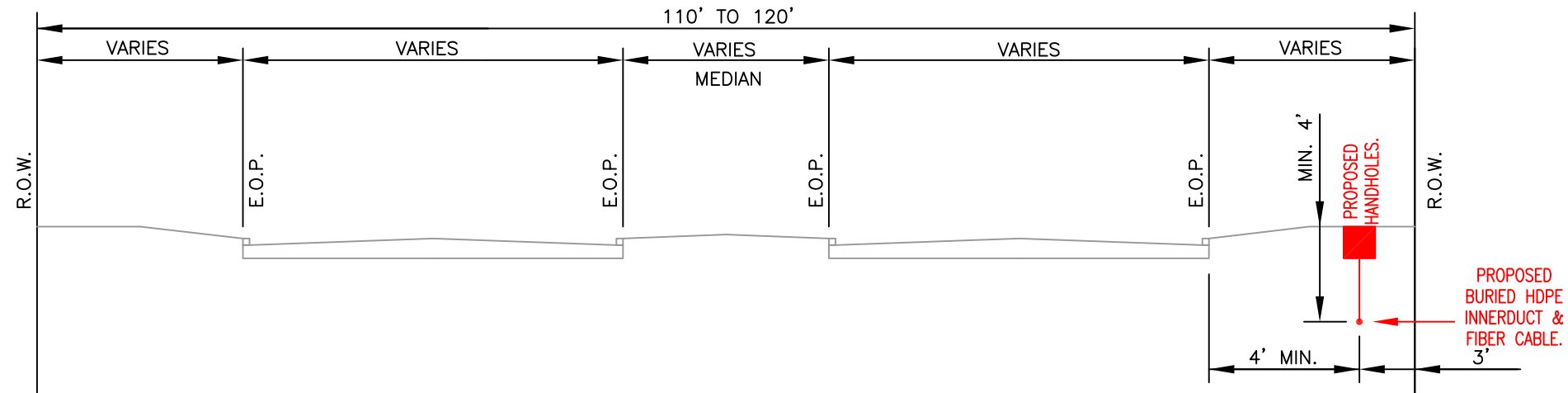
HARPERS LANDING LN. @ GRAND MISSION BLVD.
LOOKING WEST



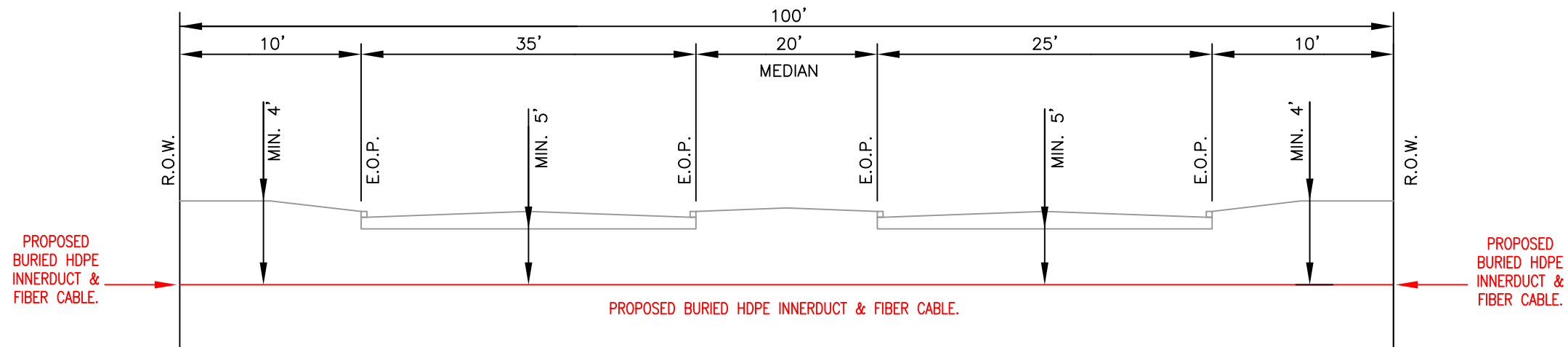
GRAND MISSION BLVD. @ HARLEM RD.
LOOKING NORTH

PROFILE SHEET 5

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 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: 25
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER		OF: 27




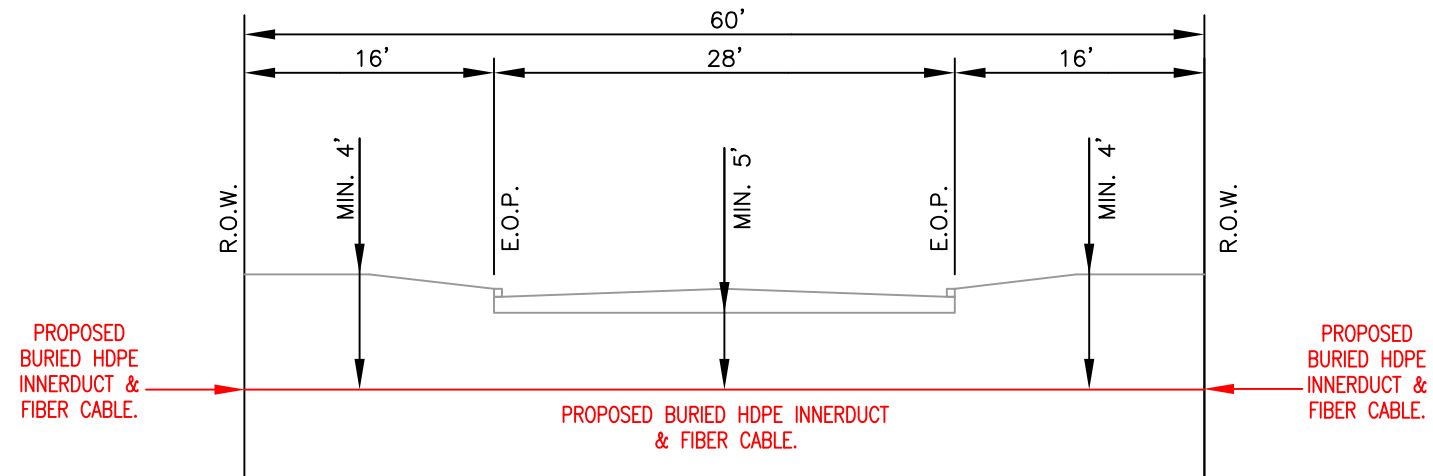
GRAND MISSION BLVD. FROM HARLEM RD. TO FM 1093
LOOKING NORTH



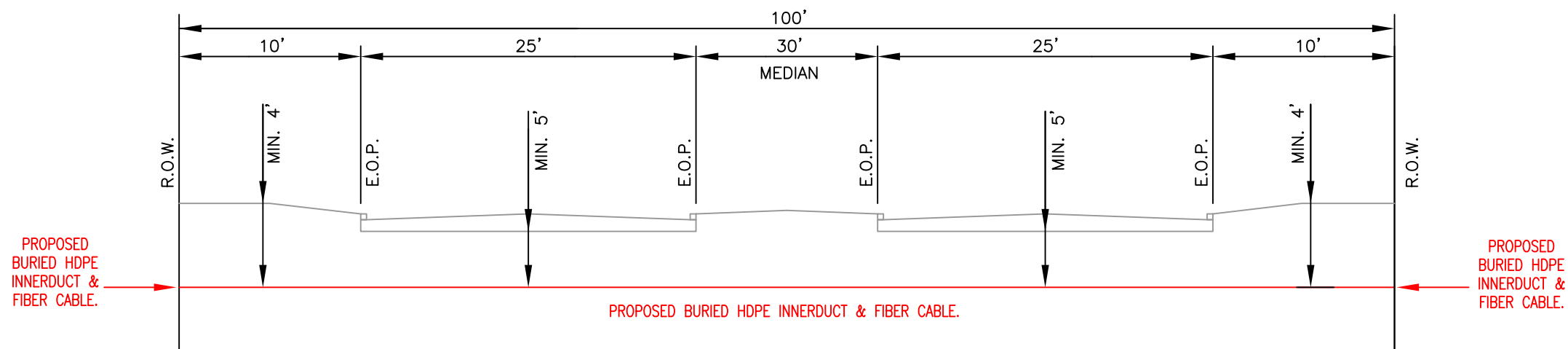
BELLAIRE BLVD. @ GRAND MISSION BLVD.
LOOKING EAST

PROFILE SHEET 6

TITLE: CLUSTER 55 - FORT BEND PERMIT 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	
			PAGE: 26
			OF: 27
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 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 5			
DRAWING	DATE	ENG DESIGN	
ORIGINAL	04/18/18	FCS	
Rev#1	N/A	N/A	
AS-BUILT	N/A	N/A	
			PAGE: 27
			OF: 27
PROPRIETARY INFORMATION OF CROWN CASTLE FIBER			

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

Guidance:

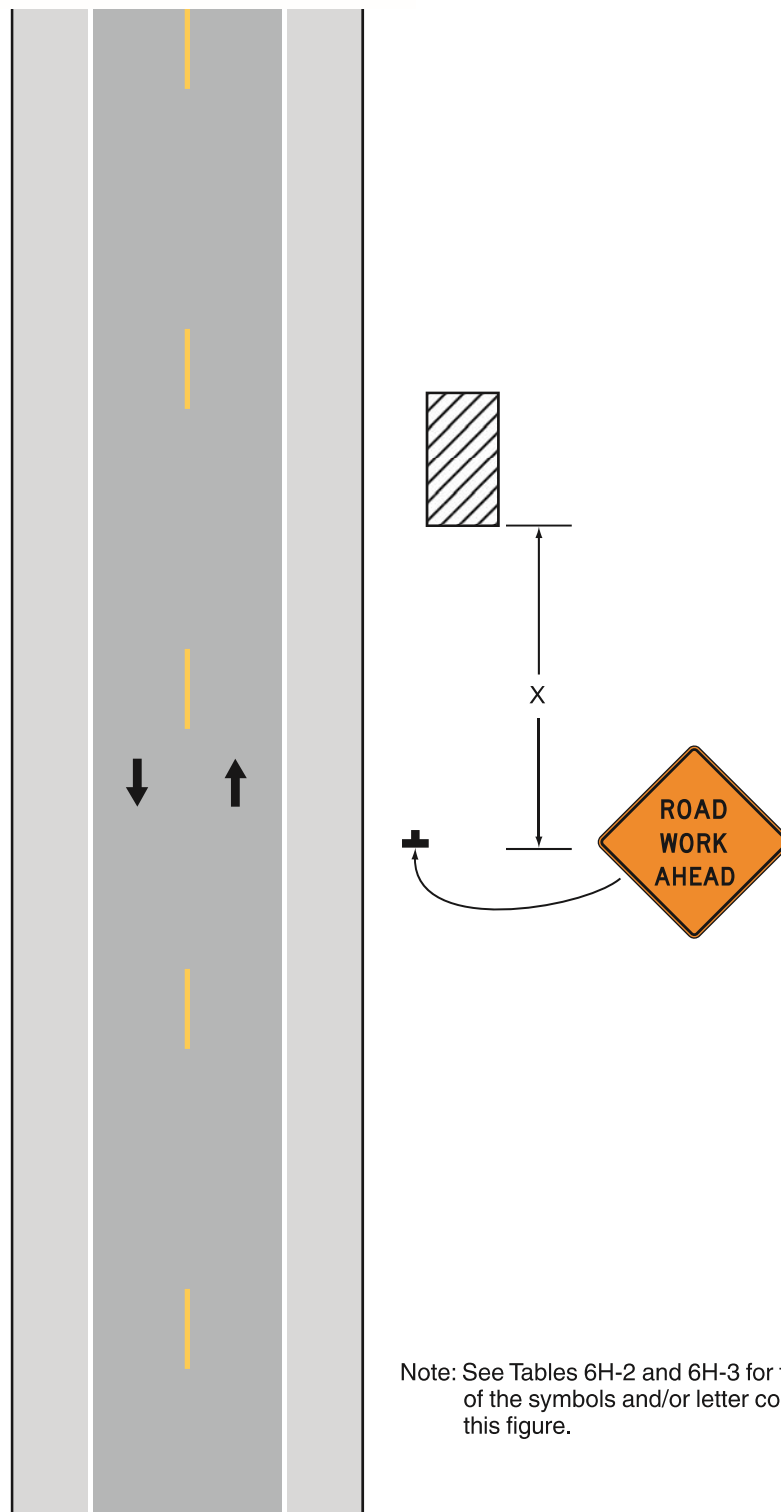
1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

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.**

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