

THE STATE OF TEXAS §
 §
 COUNTY OF FORT BEND §

SECOND AMENDED AND RESTATED INTERLOCAL AGREEMENT FOR ROADWAY IMPROVEMENTS, 2007 MOBILITY BOND PROJECT NOS. 701, 758, & 766

This **SECOND AMENDED AND RESTATED INTERLOCAL AGREEMENT FOR ROADWAY IMPROVEMENTS, 2007 MOBILITY BOND PROJECT NOS. 701, 758, & 766** ("**SECOND AMENDED RESTATED AGREEMENT**") is made between Fort Bend County, a body corporate and politic under the laws of the state of Texas, acting by and through its Commissioners Court, (the "County") and the City of Houston, a home-rule municipality of the State of Texas principally located in Harris County, Texas, (the "City"), (each, a "Party" and collectively the "Parties"), and amends and supersedes the Amended and Restated Interlocal Agreement for Roadway Improvements, 2007 Mobility Bond Project Nos. 701, 758 & 766, as amended (the "Amended Restated Agreement").

RECITALS:

WHEREAS, pursuant to City Ordinance 200900512 (June 17, 2009), and authorization by the Fort Bend County Commissioners Court (the "Court") (July 7, 2009), the City and the County entered into an agreement for three projects: Fondren Road from Hillcroft Avenue to McHard Road, South Post Oak from Sam Houston to McHard Road, and Blue Ridge Road from south of Rockergate Drive to McHard Road (the "Original Agreement");

WHEREAS, pursuant to City Ordinance 20140558 (June 4, 2014), and authorization by the Court (May 6, 2014), the Parties executed the Amended Restated Agreement to revise the list of projects as reflected in Exhibits A and B attached hereto and incorporated herein for all purposes (the "Projects"), and amend the project cost participation for each Party;

WHEREAS, pursuant to City Ordinance 20160138 (March 1, 2016), and authorization by the Court (March 22, 2016), the Parties executed the First Amendment to the Amended and Restated Agreement to change the deadline for the Plan, Specification and Estimate (the "PS&E") approval for the Projects;

WHEREAS, the Parties remain willing to participate as set forth herein in the actual costs of the Projects, including, without limitation, the cost of right of way acquisition, engineering, construction, construction management, construction inspection, and construction testing costs related to the Projects (the "Costs");

WHEREAS, the Parties desire to further amend the Amended Restated Agreement, as amended, to allocate additional funds, clarify maintenance and access

obligations, and restate the terms of the Original Agreement under this Second Amended Restated Agreement; and

WHEREAS, this Second Amended Restated Agreement is authorized by the Interlocal Cooperation Act, Chapter 791 of the Texas Government Code.

NOW, THEREFORE, the Parties in consideration of the mutual covenants and agreements herein contained, do mutually agree to further amend the Amended and Restated Agreement as follows:

AGREEMENT:

1. **AGREEMENTS SUPERSEDED:** The Amended and Restated Agreement, as amended, which superseded the Original Agreement, is hereby superseded in its entirety and replaced in full with this Second Amended Restated Agreement as of the dated signed by the last Party hereto.
2. **ALLOCATION OF COSTS:** As of the date of this Second Amendment, the total estimated Costs, as prepared by the City, are \$17,500,000.00. These Costs are to be allocated as follows:
 - A. The City will contribute to the total Costs, plus any needed utility costs, in an amount up to but not to exceed \$11,750,000.00, subject to the appropriation of funds.
 - B. The County will provide funding to the City in an amount up to but not to exceed \$5,750,000.00.
3. **PAYMENT:** The County has remitted its total financial share of \$5,750,000.00 to the City as of the date of this Second Amended Restated Agreement.
4. **DESIGN AND ENGINEERING:**
 - A. The County will propose a selection of any registered civil engineer or civil engineering firms (the "Engineer" or "Engineers") for design of the Projects. The County's selection of an Engineer will be subject to approval by the City. The City will not unreasonably withhold approval. The Engineer may subcontract surveying, geotechnical, and environmental services necessary for the Projects provided such selection complies with all applicable laws and City contract requirements.
 - B. Upon execution of this Agreement, the City will enter into negotiations with the approved County selected Engineer for the Projects. The City will enter into engineering contracts for design of the Projects. Design shall include all

engineering required for the Projects (preliminary, final, and construction phase engineering services), including geotechnical and environmental services. Should the Engineer not satisfactorily perform their duties leading to the City terminating their services, the County will be allowed to propose for the City's approval, a replacement Engineer to complete the Projects.

- C. As part of the Projects, the City shall also acquire and deliver the necessary documentation for acquisition of necessary right of way within the city limits. The City shall obtain rights for the County to use all drawing, specifications, and other documents obtained by the City for construction, and upon request shall provide such documents to the County for its own use. The City shall provide notification to the County on project schedules and approvals. All right of way acquisition for the South Post Oak Project is the sole responsibility of the City. The costs for acquisition of the necessary right of way are included in the City's financial share for the costs of the Projects under this Agreement. The County shall convey the appropriate easements within existing right of way, for construction & maintenance of the Hillcroft Avenue and Court Road Extension Project. The City is responsible for acquiring additional right of way, if needed.
- D. The City shall have Plans, Specifications, and Estimates ("PS&E") prepared for the Projects.
- E. The City and Engineer shall meet and discuss Fort Bend County Toll Road Authority's (the "FBCTRA") design concerns. After receiving written approval from the FBCTRA the City may begin that Project.

5. COMPETITIVE BID AND AWARD:

- A. Within one hundred and twenty (120) days after the City has approved final design for each project, the City will competitively bid each project and award contracts for the construction of the Project. The City will comply with all competitive bid laws applicable to the City, and other Existing laws and ordinances governing the City's construction of public works. If the lowest bid for construction of the Updated Projects is greater than the amount of funds allocated by the Parties for the Projects is greater than the amount of funds allocated by the Parties for the Projects, the City may reject all bids and re-advertise for bids for the construction of the Project according to the terms specified in this section of the Agreement.
- B. Upon receipt of bids for the Projects, the City will notify the County of the amount of the bids, plus a fifteen percent (15%) contingency (the "Notice of Bid"), not to exceed the amount allocated by the Parties herein. If a Party desires to object to the award of a contract, they must provide written notice to the other Party within fifteen (15) days of the date the Notice of Bid is served.

- C. If there are no objections to the award of the contract to the low bidder, the City will issue a notice to proceed to the contractor.
- D. The City will enter into separate contracts with the bidders (the "Contractors"), which will be subject to change orders that may increase or otherwise alter the cost of the work done. The change orders shall not exceed the Cost allocated by the Parties herein.

6. CONSTRUCTION:

- A. The City shall administer the construction contracts for the Projects and provide on-site inspection of the construction. Administration duties include, but are not limited to: entering into all necessary change orders to the construction contracts, provided that all such change orders shall require the approval of the County, which shall not be unreasonably withheld or delayed. The City has no obligation to approve or to pay for any change orders that would increase its contribution to an amount above the funds allocated herein.
- B. The City shall inspect all construction for the conformity with the City standards and shall immediately request changes or corrections to the contractor's work if the City finds such changes or corrections to be necessary upon inspection. The City shall approve all change orders to the construction contract necessary by any request of the City.
- C. The City shall have the right to terminate any of the construction contracts awarded and enforce its remedies under this Agreement.
- D. The construction of Hillcroft Avenue will require the relocation of existing streetlights owned and maintained FBCTRA. The County agrees to submit a request to FBCTRA to relocate the streetlights in conflict with the proposed construction as shown in the design plans at its sole cost, within ninety (90) days of notice by City of scheduled advertisement of project for bid. Upon notification by FBCTRA and County of the completion of streetlight relocation, City shall proceed with issuance of notice to proceed to the contractor.

7. MAINTENANCE:

- A. The County shall allow the City to maintain Project areas while allowing the County to have access, as necessary, for maintenance of the existing toll facility. Maintenance includes, but is not limited to: mowing grass, street sweeping, pavement maintenance, storm sewer maintenance, box culvert maintenance, bridge maintenance, concrete channel lining maintenance, sidewalk maintenance, and curb drain maintenance, as shown in Exhibit C attached hereto and incorporated herein for all purposes.
- B. The County shall operate and maintain the proposed detention pond discussed in Exhibit C. However, the City shall still be the owner of said detention pond.

8. GENERAL PROVISIONS:

- A. If on December 31, 2023 the City has not completed the PS&E for all the portions of the Projects and the County has not exercised its right to terminate this Agreement, the County may terminate this Agreement at any time. Any unused funds will be reimbursed according to the allocation herein.
- B. It is expressly understood and agreed that, notwithstanding any other provision of this Agreement, the County has available the maximum sum of \$5,750,000.00 to satisfy its obligations under this Agreement and the County shall under no circumstance be required to expend more than the said maximum sum. It is further agreed that the County shall not be required to expend any funds other than current funds to accomplish said obligations.
- C. It is expressly understood and agreed that, notwithstanding any other provision of this Agreement, the City has available the maximum sum of \$11,750,000.00 to satisfy its obligations under this Agreement and the City shall under no circumstance be required to expend more than the said maximum sum. It is further agreed that the City shall not be required to expend any funds other than current funds to accomplish said obligations.
- D. In accordance with Subsection B and C of this Section 8, total project costs shall not exceed \$17,500,000.00. If the Costs reach ninety five percent (95%) of \$17,500,000.00 any remaining work will be deleted from the Projects' scope of work and all respective construction contracts will be closed in a manner that will not exceed the funding limits herein.

9. TERMINATION:

- A. This Agreement may be terminated by any of the following conditions:
 - I. By mutual agreement and consent of the City and the County up until the award of a construction contract for such Projects.
 - II. By either Party, upon the failure of the other Party to fulfill its obligations as set forth herein. To the extent permitted by law, the breaching Party shall pay any cost incurred due to such breach.
 - III. The City may terminate at any time up until the award of a construction contract for such Projects. The City's right to terminate in this scenario is cumulative of all rights and remedies which exist now or in the future.
- B. Should this Agreement terminate under Section 9(A)(I) or 9(A)(II) above, the City shall subtract half of any reasonable costs incurred by the City from the County's financial share received under this Agreement and return the balance to the County. Alternatively, should this Agreement terminate under Section 9(A)(III) above the City shall reimburse the County its allocation of costs.

C. If either Party elects to terminate this Agreement prior to completion of the Projects, it shall do so in such a manner that the roadways are operational and are not left in an unreasonably hazardous condition.

D. If either Party elects to terminate this Agreement at any time, for any reason, then that Party shall notify the other no less than thirty (30) days prior to the termination.

10. ASSIGNMENT: No Party shall make, in whole or in part, any assignment of this Agreement or any obligation hereunder without the prior written consent of the other Party.

11. NOTICE: Any notice required to be given under this Agreement ("Notice") shall be in writing and shall be duly served when it shall have been personally delivered to the address below, or deposited, enclosed in a wrapper with the proper postage prepaid thereon, and duly registered or certified, return receipt requested, in a United States Post Office, addressed to the County or the City at the following addresses:

City: City of Houston
Houston Public Works
611 Walker, 14th Floor
P.O. Box 1562
Houston, Texas 77002
Attention: Embry Woods

County: Fort Bend County
401 Jackson Street,
Richmond, Texas 77469
Attention: County Judge

Copy to: Fort Bend County
301 Jackson Street, 4th Floor
Richmond, Texas 77469
Attention: County Engineer

12. GOVERNING LAW: This Agreement shall be governed by the laws of the State of Texas and the forum for any action under or related to the Agreement is exclusively in a state or federal court of competent jurisdiction in Texas.

13. ELECTRONIC SIGNATURE: The Parties hereby agree that each Party may sign and deliver this Agreement electronically or by electronic means and that an electronic transmittal of a signature, including but not limited to, a scanned signature page, will be as good, binding, and effective as an original signature.

(The rest of this page is intentionally left blank.)

FORT BEND COUNTY

By: KP George
County Judge KP George
KP George, County Judge

ATTEST/SEAL:

By: Laura Richard
Laura Richard, County Clerk



APPROVED:

Digitally signed by J Stacy
Slawinski
Date: 2022.05.02 06:42:04 -05'00'

By: _____
J. Stacy Slawinski, PE,
County Engineer

CITY OF HOUSTON

By: _____
Sylvester Turner, Mayor

ATTEST/SEAL

City Secretary

APPROVED:

Director, Houston Public Works and
Engineering Department

APPROVED AS TO FORM:

Assistant City Attorney
L.D. File No. _____

ATTACHMENTS:

- EXHIBIT A – Project Scope for South Post Oak 2007 Mobility Bond Project No. 758
- EXHIBIT B – Project Scope for Hillcroft Avenue and Court Road Extension
- EXHIBIT C – Hillcroft Avenue Facilities Maintenance by Entity

EXHIBIT "A"
SOUTH POST OAK - 2007 MOBILITY BOND UPDATED PROJECT No. 758

Project Scope:

- **Beltway 8 to West Ridge Creek Drive** – Expand roadway with the addition of one lane in each direction. An estimated 2,840 L.F. (1,420 L.F. each direction) of roadway will be constructed. No panel replacement is necessary at this segment.
- **West Ridge Creek Drive to Court Road** – Repair damaged panels, collapsed inlets and addition of turning lane at intersections. Approximately 10% (729 S.Y.) of roadway panels will be replaced.
- **West Ridge Creek to FM 2234** – Repair and replacement of roadway sections and collapsed inlets.
- **Traffic signal upgrade (including Flashing yellow left turn signals)** - New traffic signals are to be installed at the intersections of S. Post Oak / Ridge Creek Drive and S. Post Oak / Court Road.
- **Waterline replacement** – Due to the condition of existing 30-year old 12" asbestos pipe waterline, a 12" PVC (1,200 L.F.) waterline replacement was recommended.

EXHIBIT "B"
HILLCROFT AVENUE AND COURT ROAD EXTENSION

Project Scope:

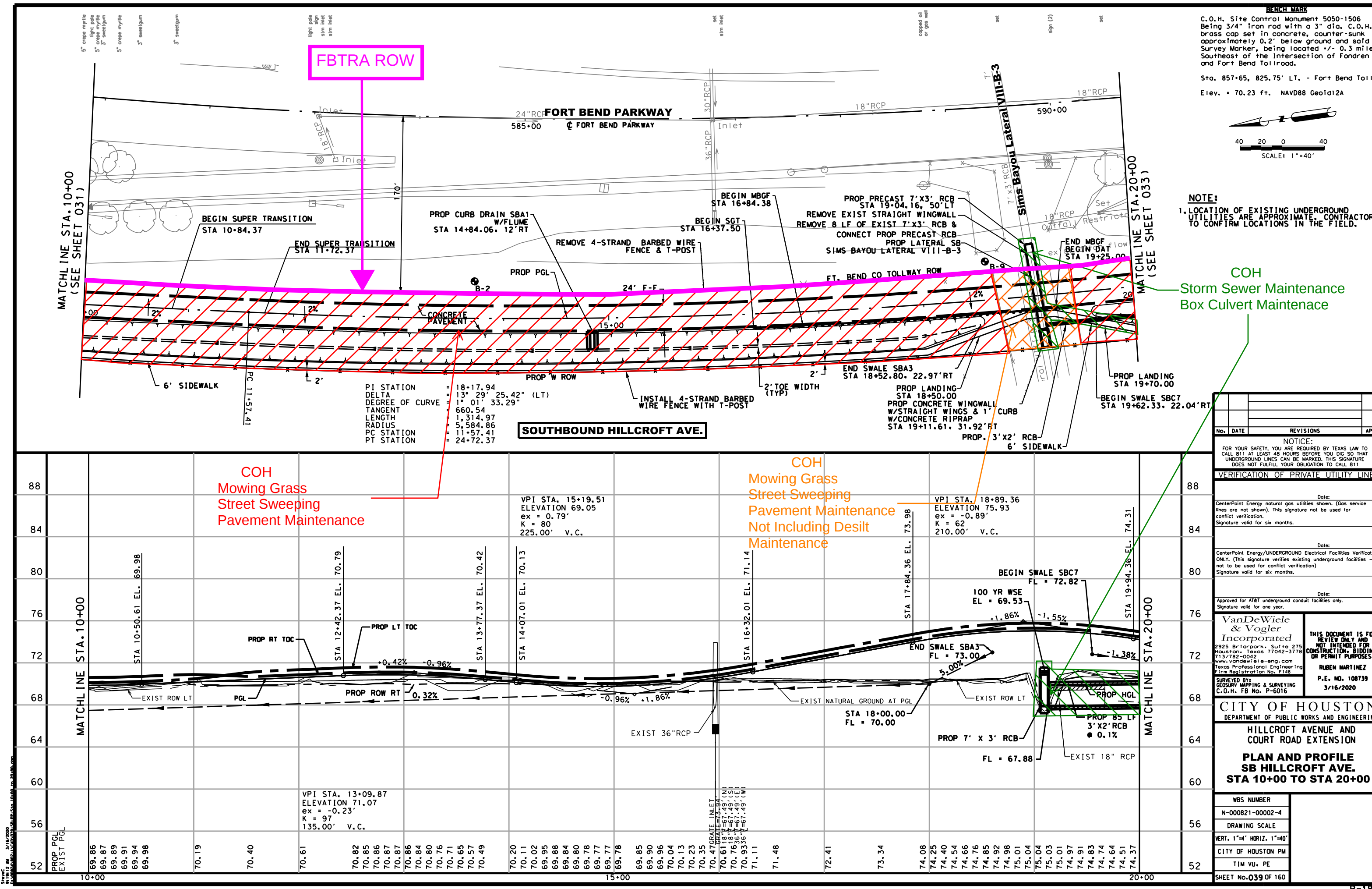
Design and prepare plans, specifications, estimates, right of way acquisitions and construction contract documents for the construction of Hillcroft Avenue between the existing toll road ramps and an extension of Court Road from Quailynn Road east to the proposed Hillcroft Avenue.

This Project also includes the extensions of water lines and storm drain systems along each roadway corridor as well as bridges spanning the Fort Bend County Drainage District Ditch B-8-B, box culvert drainage structures crossing Fort Bend County Drainage District Ditch A, and storm water detention.

The City and design consultant shall meet and discuss Fort Bend County Toll Road Authority design concerns for the addition of Hillcroft Avenue and Court Road extension. After receiving written approval from the FBCTRA, the City may begin with design of the proposed roadways. Proposed Hillcroft Avenue and Court Road extension must not conflict with future improvements to the Fort Bend County Toll Road.

EXHIBIT "C"

HILLCROFT AVENUE FACILITIES MAINTENANCE BY ENTITY



BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" Iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and sold
Survey Marker, being located +/- 0.3 miles
Southeast of the Intersection of Fondren
and Fort Bend Tollroad.

Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A

40 20 0 40
SCALE: 1"=40'

NOTE:
1. LOCATION OF EXISTING UNDERGROUND
UTILITIES ARE APPROXIMATE. CONTRACTOR
TO CONFIRM LOCATIONS IN THE FIELD.

COH
Storm Sewer Maintenance
Box Culvert Maintenance

No.	DATE	REVISIONS	APP.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO
CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT
UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE
DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

VERIFICATION OF PRIVATE UTILITY LINES

Date: _____
CenterPoint Energy natural gas utilities shown. (Gas service
lines are not shown). This signature not be used for
conflict verification.
Signature valid for six months.

Date: _____
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification
ONLY. (This signature verifies existing underground facilities -
not to be used for conflict verification)
Signature valid for six months.

Date: _____
Approved for AT&T underground conduit facilities only.
Signature valid for one year.

VanDeWiele & Vogler Incorporated
2925 Briarpark, Suite 275
Houston, Texas 77042-3778
713/782-0042
www.vandewiele-eng.com
Texas Professional Engineering
Firm Registration No. F148

**THIS DOCUMENT IS FOR
REVIEW ONLY AND
NOT INTENDED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES.**

RUBEN MARTINEZ
P.E. NO. 108739
3/16/2020

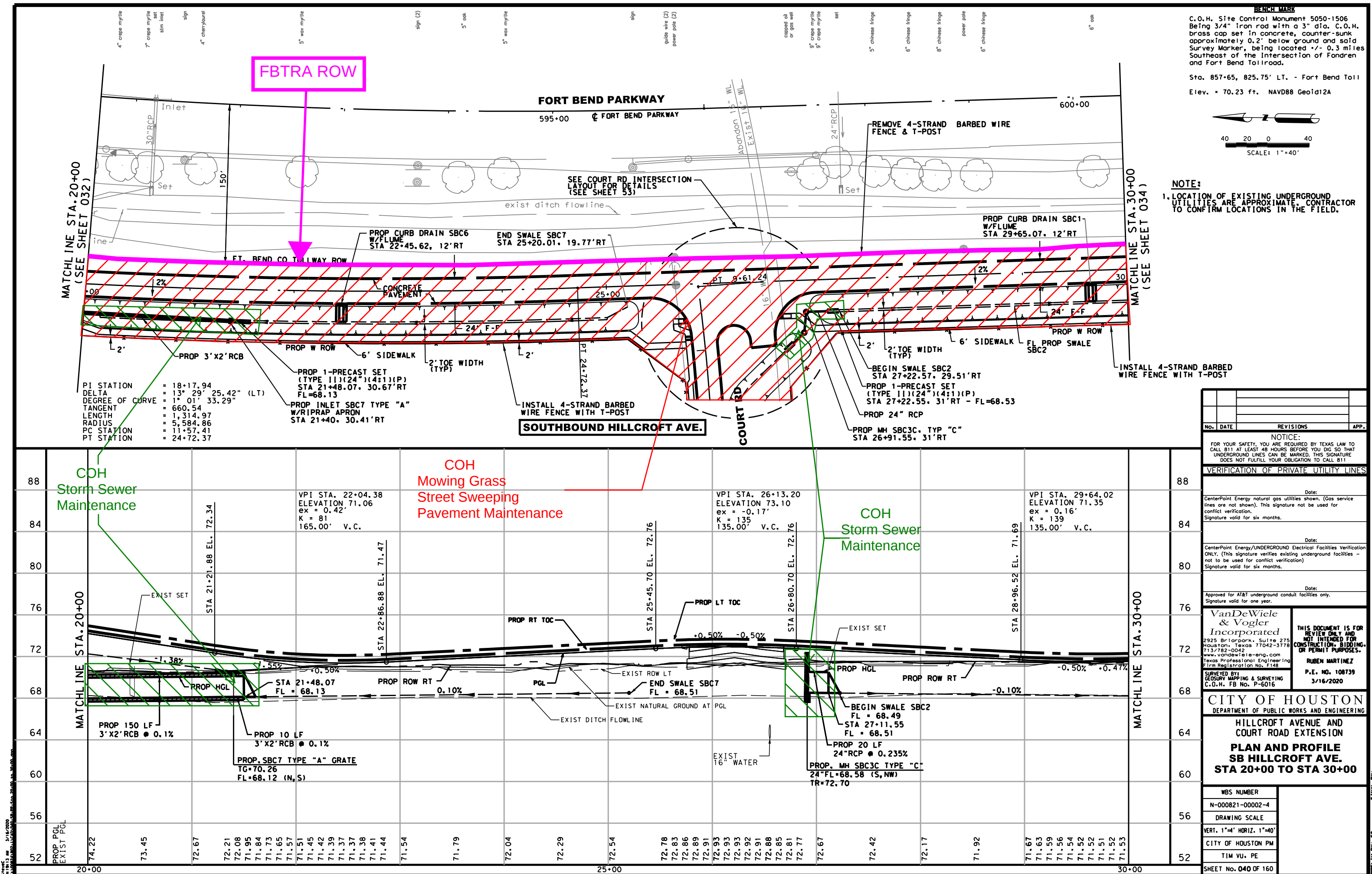
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

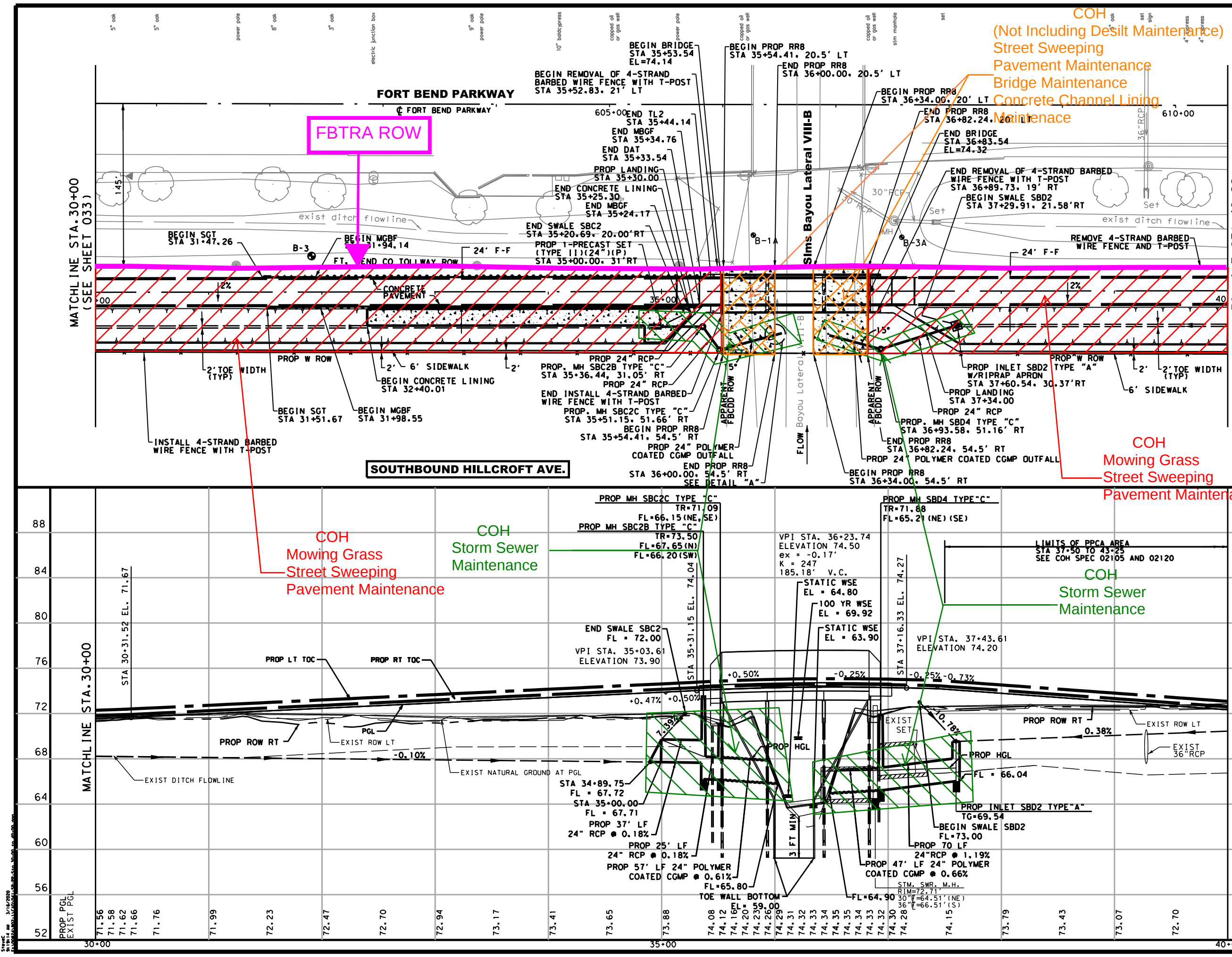
**HILLCROFT AVENUE AND
COURT ROAD EXTENSION**

**PLAN AND PROFILE
SB HILLCROFT AVE.
STA 10+00 TO STA 20+00**

WBS NUMBER	N-000821-00002-4
DRAWING SCALE	VERT. 1"=4' HORIZ. 1"=40'
CITY OF HOUSTON PM	TIM VU, PE
SHEET NO. 039 OF 160	

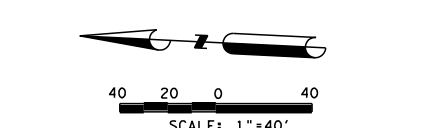
FILED BY: SC
JOB No: 00821-002-1
P-1821



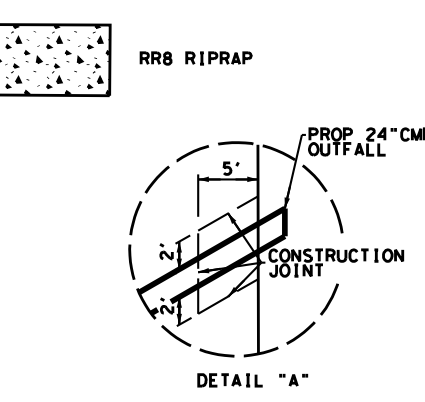


BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" Iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and sold
Survey Marker, being located +/- 0.3 miles
Southeast of the Intersection of Fondren
and Fort Bend Tollroad.

Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A



NOTE:
1. LOCATION OF EXISTING UNDERGROUND
UTILITIES ARE APPROXIMATE. CONTRACTOR
TO CONFIRM LOCATIONS IN THE FIELD.
2. SEE BRIDGE LAYOUTS AND DETAILS SHEETS



No.	DATE	REVISIONS	APP.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO
CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT
UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE
DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

VERIFICATION OF PRIVATE UTILITY LINES	
Date:	
CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not to be used for conflict verification. Signature valid for six months.	
Date:	
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities - not to be used for conflict verification) Signature valid for six months.	
Date:	
Approved for AT&T underground conduit facilities only. Signature valid for one year.	

VanDeWiele & Vogler Incorporated
2925 Briarpark, Suite 275
Houston, Texas 77042-3778
713/782-0042
www.vandewiele-eng.com
Texas Professional Engineering
Firm Registration No. F148

THIS DOCUMENT IS FOR
REVIEW ONLY AND
NOT INTENDED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES.

RUBEN MARTINEZ
P.E. NO. 108739
3/16/2020

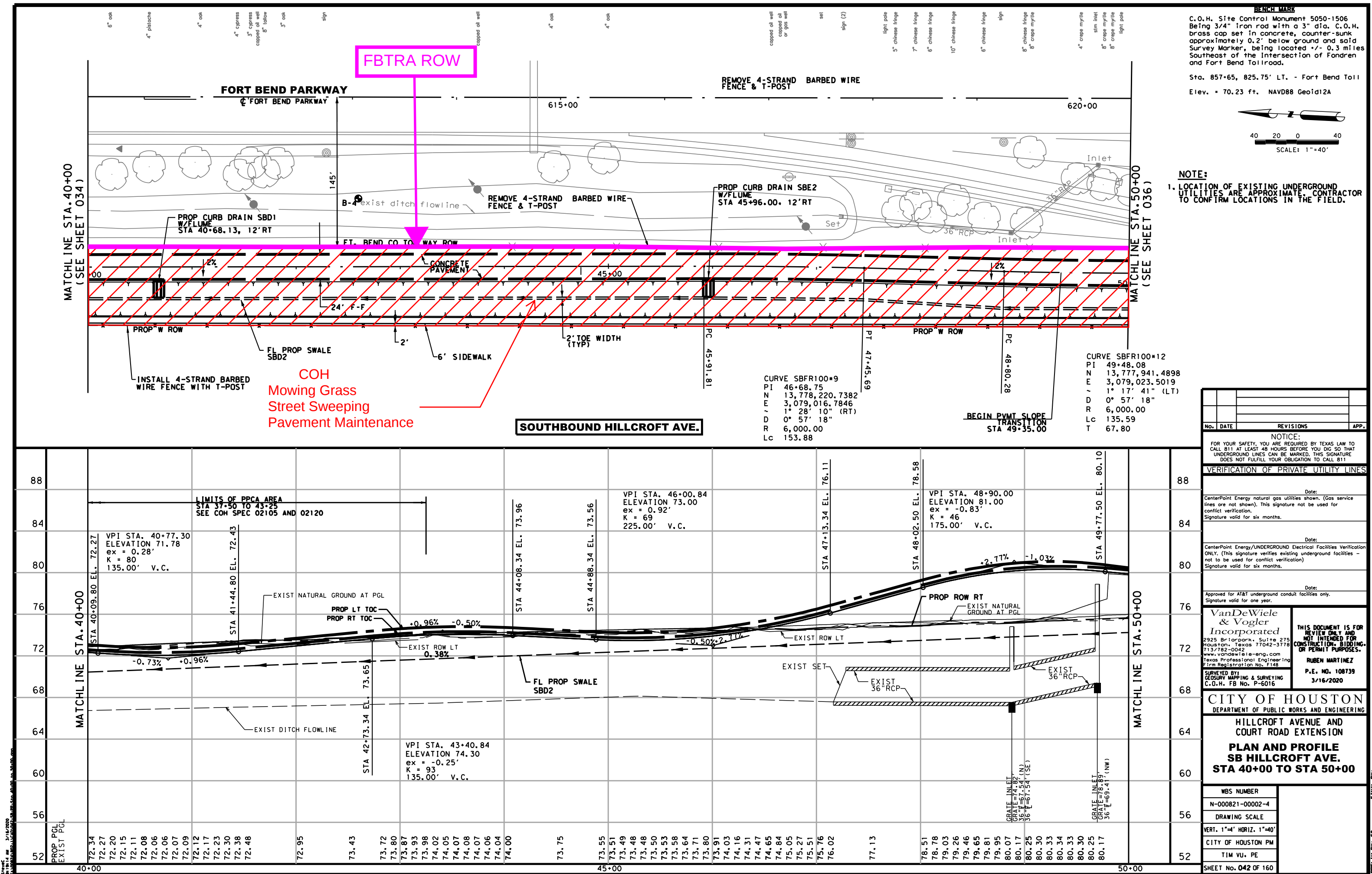
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

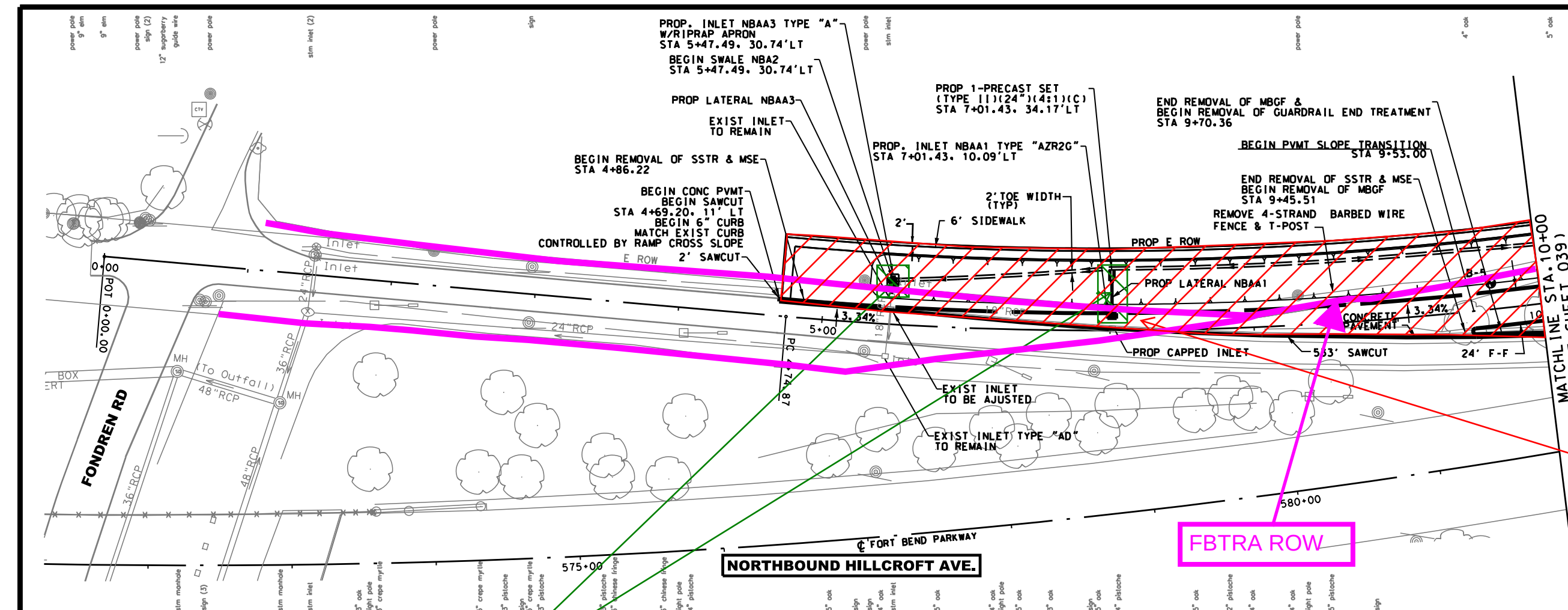
HILLCROFT AVENUE AND
COURT ROAD EXTENSION

**PLAN AND PROFILE
SB HILLCROFT AVE.
STA 30+00 TO STA 40+00**

WBS NUMBER	N-000821-00002-4
DRAWING SCALE	
VERT. 1"=4' HORIZ. 1"=40'	
CITY OF HOUSTON PM	
TIM VU, PE	
SHEET No. 041 OF 160	

PREP BY: SC
JOB No: 00821-002-1
P-1821



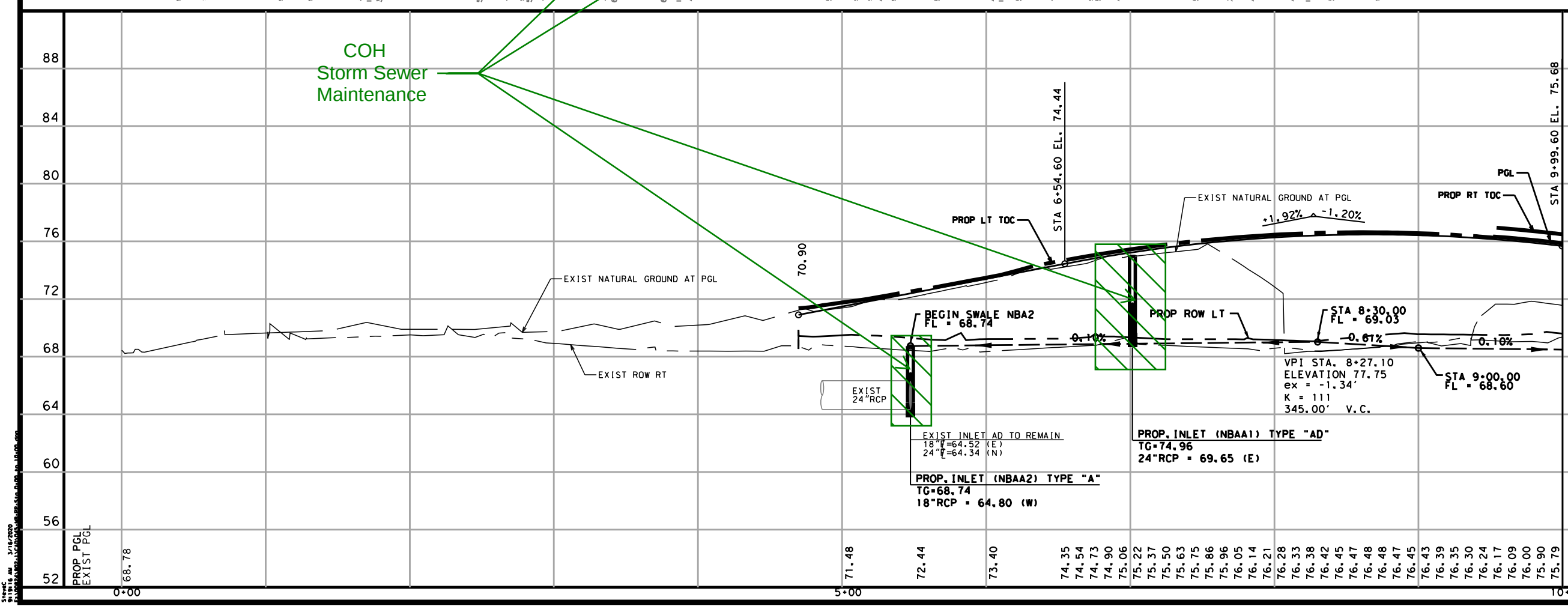


BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and solid
Survey Marker, being located +/- 0.3 miles
Southeast of the Intersection of Fondren
and Fort Bend Tollroad.

Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A

NOTE:
1. LOCATION OF EXISTING UNDERGROUND
UTILITIES ARE APPROXIMATE. CONTRACTOR
TO CONFIRM LOCATIONS IN THE FIELD.

COH
Mowing Grass
Street Sweeping
Pavement Maintenance



No.	DATE	REVISIONS	APP.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO
CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT
UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE
DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

VERIFICATION OF PRIVATE UTILITY LINES

Date:	Signature:

Approved for AT&T underground conduit facilities only.
Signature valid for one year.

VanDeWiele & Vogler Incorporated
2925 Briarpark, Suite 275
Houston, Texas 77042-3778
713/782-0042
www.vandewiele-eng.com
Texas Professional Engineering
Firm Registration No. F148

RUBEN MARTINEZ
P.E. NO. 108739
3/16/2020

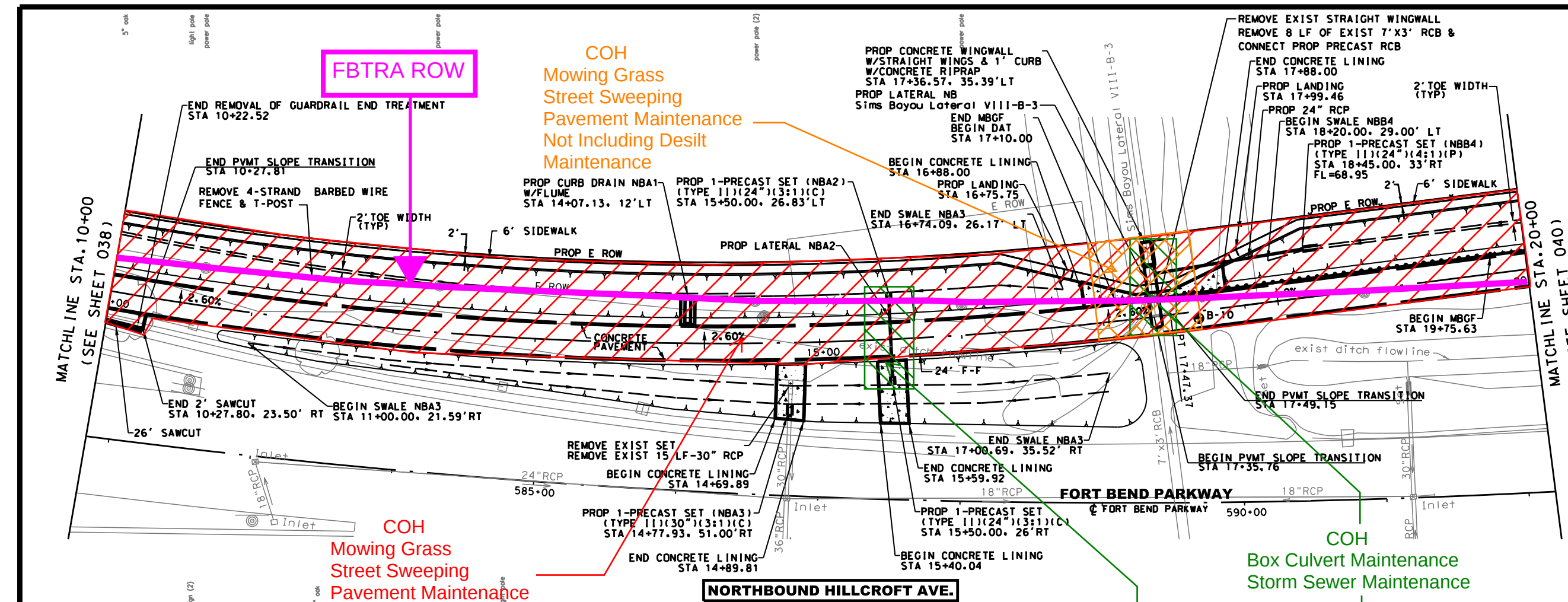
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**HILLCROFT AVENUE AND
COURT ROAD EXTENSION**

**PLAN AND PROFILE
NB HILLCROFT AVE.
STA 0+00 TO STA 10+00**

WBS NUMBER	DRAWING SCALE	CITY OF HOUSTON PM	TIM VU, PE
N-000821-00002-4	VERT. 1"=4' HORIZ. 1"=40'		

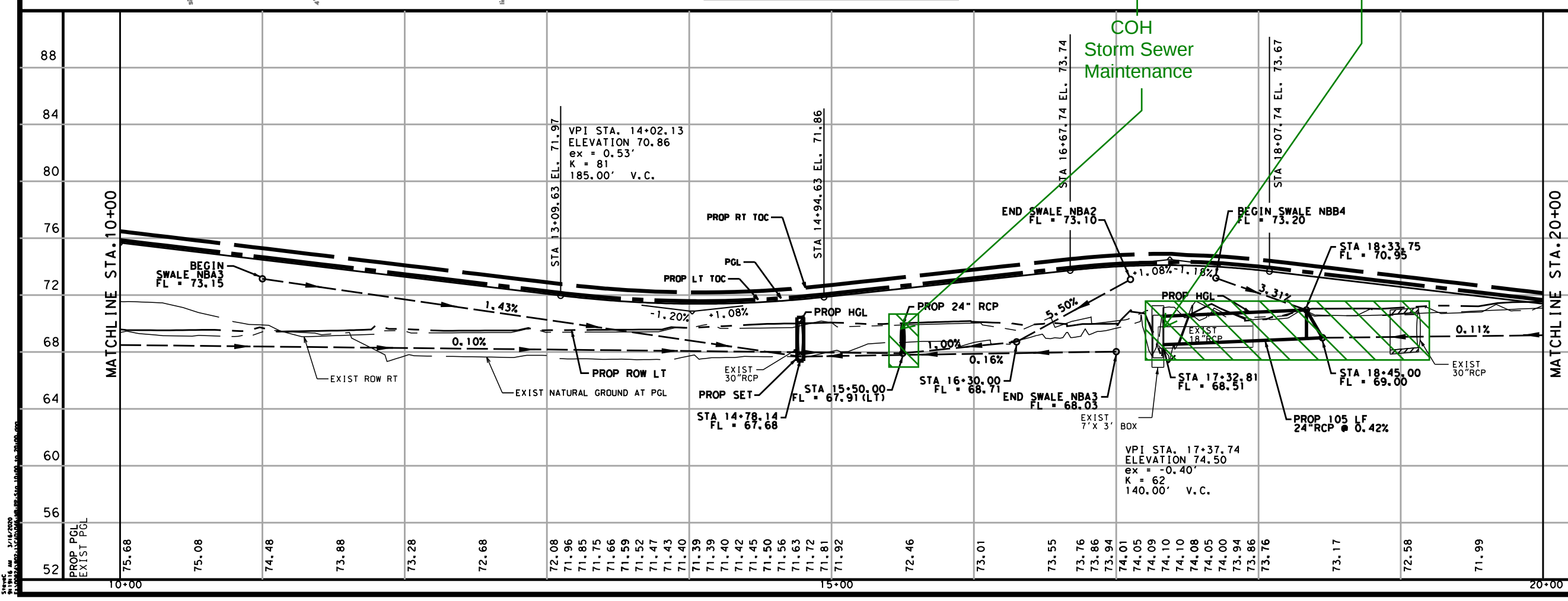
SHEET No. 045 OF 160



BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" Iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and solid
Survey Marker, being located +/- 0.3 miles
Southeast of the Intersection of Fondren
and Fort Bend Tollroad.

Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A

NOTE:
1. LOCATION OF EXISTING UNDERGROUND
UTILITIES ARE APPROXIMATE. CONTRACTOR
TO CONFIRM LOCATIONS IN THE FIELD.



No.	DATE	REVISIONS	APP.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO
CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT
UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE
DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

VERIFICATION OF PRIVATE UTILITY LINES

Date: _____
CenterPoint Energy natural gas utilities shown. (Gas service
lines are not shown). This signature not to be used for
conflict verification.
Signature valid for six months.

Date: _____
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification
ONLY. (This signature verifies existing underground facilities -
not to be used for conflict verification)
Signature valid for six months.

Date: _____
Approved for AT&T underground conduit facilities only.
Signature valid for one year.

VanDeWiele & Vogler Incorporated
2925 Briarpark, Suite 275
Houston, Texas 77042-3778
713/782-0042
www.vandewiele-eng.com
Texas Professional Engineering
Firm Registration No. F148

**THIS DOCUMENT IS FOR
REVIEW ONLY AND
NOT INTENDED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES.**

RUBEN MARTINEZ
P.E. NO. 108739
3/16/2020

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**HILLCROFT AVENUE AND
COURT ROAD EXTENSION**

**PLAN AND PROFILE
NB HILLCROFT AVE.
STA 10+00 TO STA 20+00**

WBS NUMBER
N-000821-00002-4

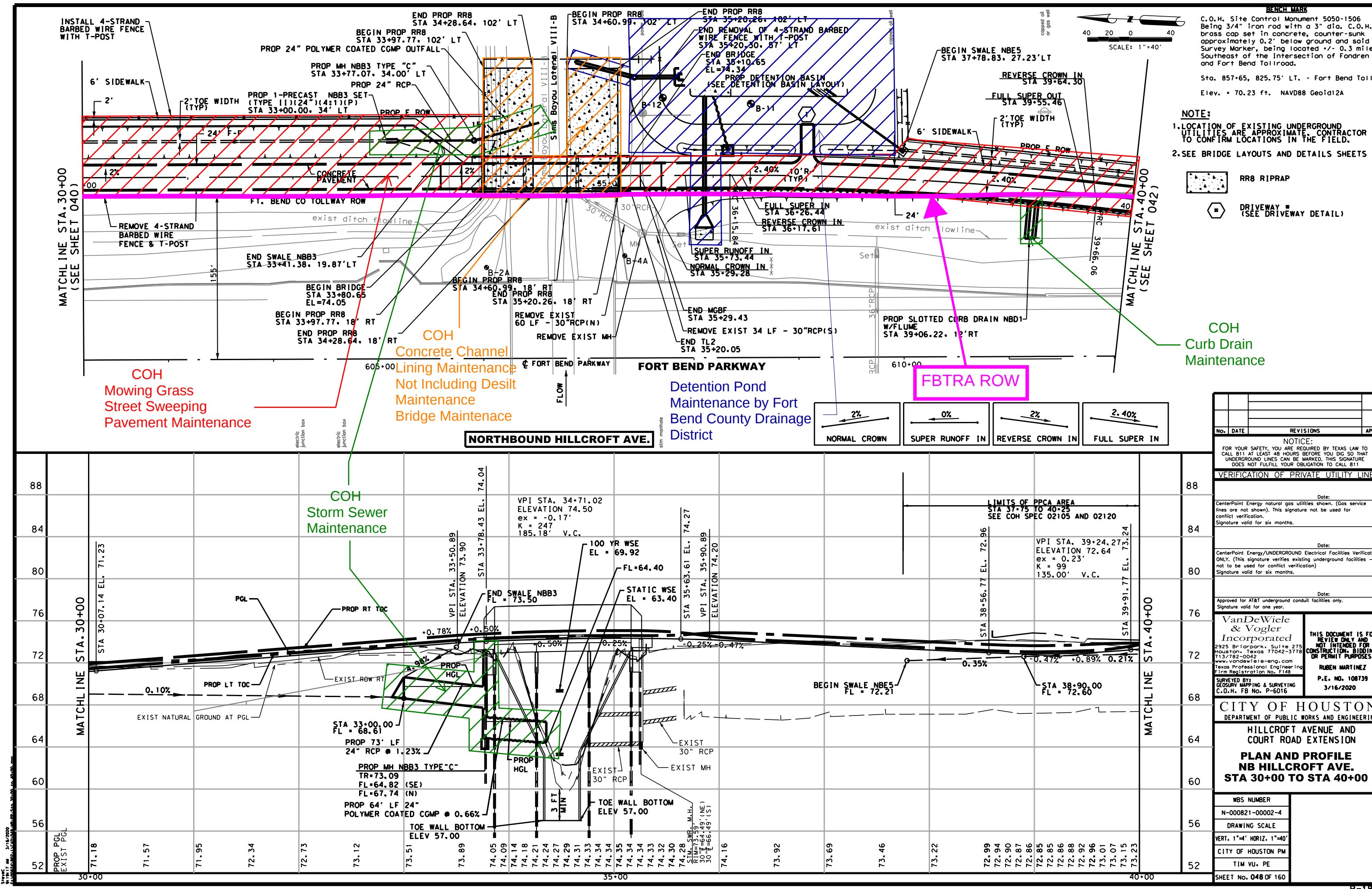
DRAWING SCALE
VERT. 1"=4' HORIZ. 1"=40'

CITY OF HOUSTON PM
TIM VU, PE

SHEET No. 046 OF 160

3/16/2020
3:16 PM
C:\Users\pml\OneDrive\Documents\Hillcroft Ave\Hillcroft Ave.dwg
PML

FINAL BY:
JOB No. 000821-002-1
P-1821



BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" Iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and solid
Survey Marker, being located +/- 0.3 miles
Southeast of the Intersection of Fondren
and Fort Bend Tollroad.
Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A

NOTE:
1. LOCATION OF EXISTING UNDERGROUND
UTILITIES ARE APPROXIMATE. CONTRACTOR
TO CONFIRM LOCATIONS IN THE FIELD.
2. SEE BRIDGE LAYOUTS AND DETAILS SHEETS

RR8 RIPRAP
DRIVEWAY (SEE DRIVEWAY DETAIL)

COH
Concrete Channel
Concrete Channel Lining
Concrete Channel Storm Sewer
Curb Drain
Maintenance

FBTRA ROW
Normal Crown
Super Runoff In
Reverse Crown In
Full Super In

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO
CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT
UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE
DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

VERIFICATION OF PRIVATE UTILITY LINES

CenterPoint Energy natural gas utilities shown. (Gas service
lines are not shown). This signature not be used for
conflict verification.
Signature valid for six months.
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification
ONLY. (This signature verifies existing underground facilities -
not to be used for conflict verification)
Signature valid for six months.
Approved for AT&T underground conduit facilities only.
Signature valid for one year.

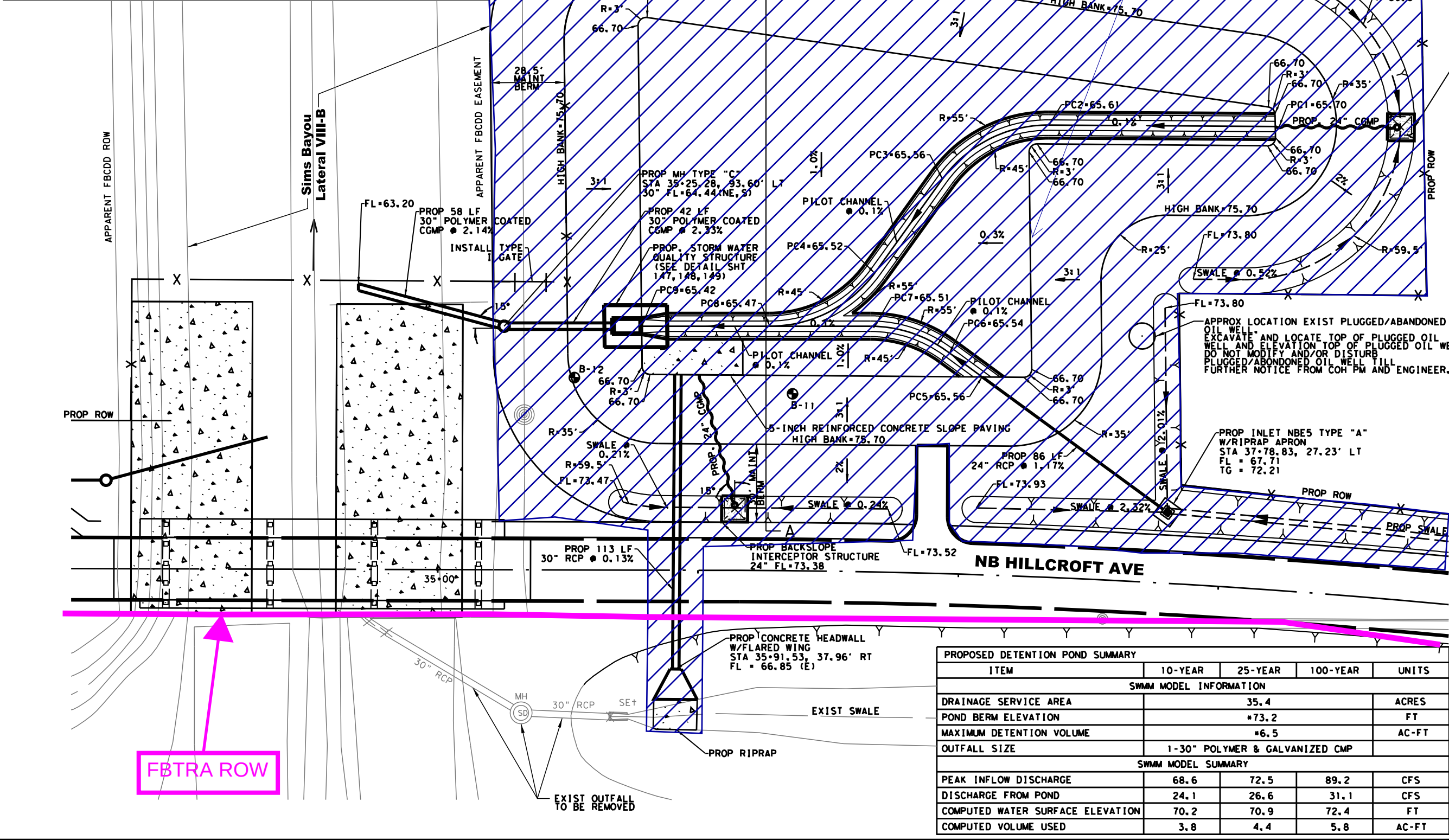
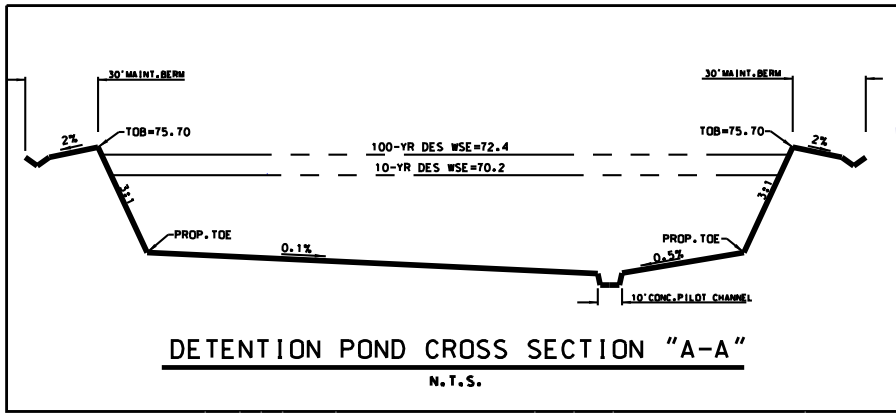
VanDeWiele & Vogler Incorporated
2925 Briarpark, Suite 275
Houston, Texas 77042-3778
713/782-0042
www.vandewiele-eng.com
Texas Professional Engineering
Firm Registration No. F148
THIS DOCUMENT IS FOR
REVIEW ONLY AND
NOT INTENDED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES.
RUBEN MARTINEZ
P.E. No. 108739
3/16/2020

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
**HILLCROFT AVENUE AND
COURT ROAD EXTENSION**
**PLAN AND PROFILE
NB HILLCROFT AVE.
STA 30+00 TO STA 40+00**

WBS NUMBER
N-000821-00002-4
DRAWING SCALE
VERT. 1"=4' HORIZ. 1"=40'
CITY OF HOUSTON PM
TIM VU, PE
SHEET No. 048 OF 160

3/16/2020
3:14 PM
P:\Projects\2020\048\048.dwg
PLOT: 3/16/2020 3:14 PM
PLOTTER: HP DesignJet T1130
PLOT SCALE: 1"=40'

FILED BY: SC
JOB No: 000821-002-1
P-1821

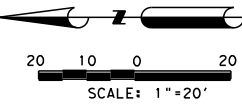


DETENTION POND TO BE MAINTAINED BY
FORT BEND COUNTY DRAINAGE DISTRICT

Detention Pond
Maintenance by Fort
Bend County Drainage
District

BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" Iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and solid
Survey Marker, being located +/- 0.3 miles
Southeast of the Intersection of Fondren
and Fort Bend Tollroad.

Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A



PROP BACKSLOPE
INTERCEPTOR STRUCTURE
24" FL=73.21

NOTE:
POND BERM ELEVATION MODIFIED
TO INCLUDE BACKSLOPE SWALES.
MAXIMUM DETENTION VOLUME
INCREASED TO 8.3 AC-FT.

No.	DATE	REVISIONS	APP.
NOTICE: FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.			
VERIFICATION OF PRIVATE UTILITY LINES			
Date: CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not to be used for conflict verification. Signature valid for six months.			
Date: CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities - not to be used for conflict verification) Signature valid for six months.			
Date: Approved for AT&T underground conduit facilities only. Signature valid for one year.			
VanDeWiele & Vogler Incorporated 2925 Briarpark, Suite 275 Houston, Texas 77042-3778 713/782-0042 www.vandewiele-eng.com Texas Professional Engineering Firm Registration No. F148		THIS DOCUMENT IS FOR REVIEW ONLY AND NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. RUBEN MARTINEZ P.E. NO. 108739 3/24/2020	

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

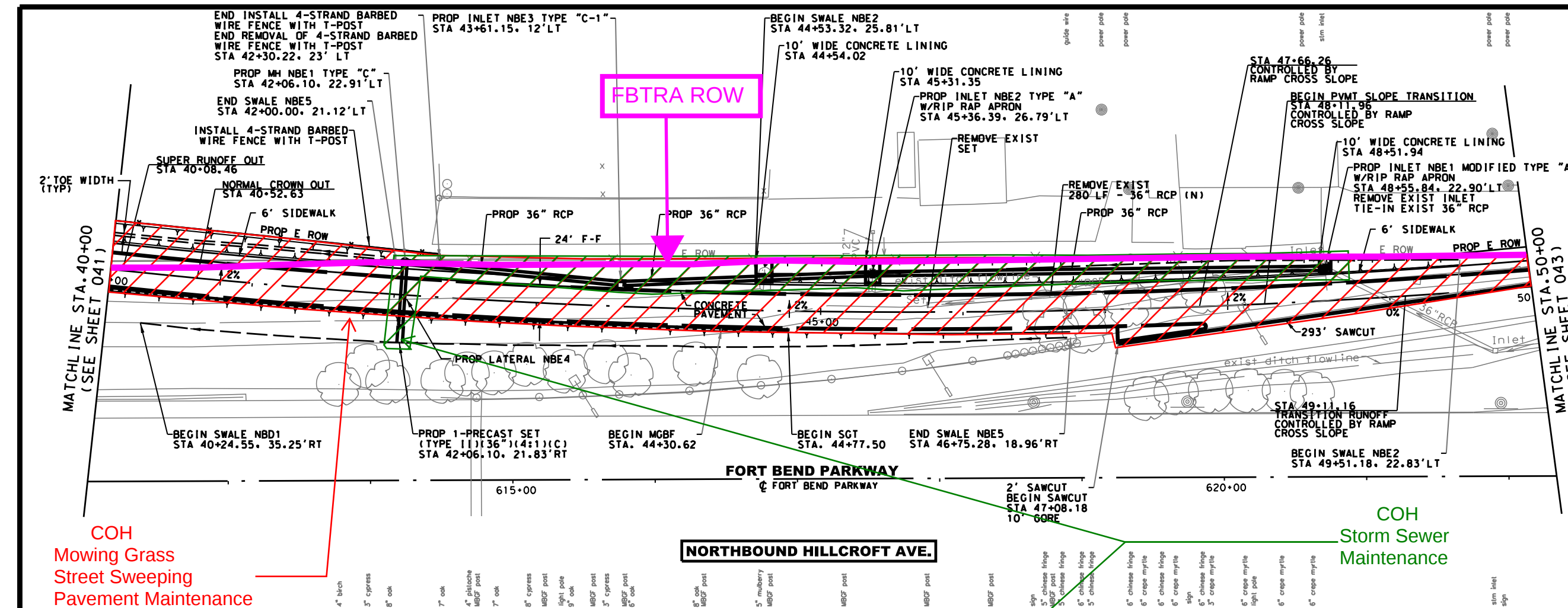
HILLCROFT AVENUE AND
COURT ROAD EXTENSION

**DETENTION BASIN
LAYOUT**

WBS NUMBER
N-000821-0002-4
DRAWING SCALE
1"=20'
CITY OF HOUSTON PM
TIM VU, PE
SHEET No. 019 OF 160

PROPOSED DETENTION POND SUMMARY				
ITEM	10-YEAR	25-YEAR	100-YEAR	UNITS
SWMM MODEL INFORMATION				
DRAINAGE SERVICE AREA	35.4			ACRES
POND BERM ELEVATION	73.2			FT
MAXIMUM DETENTION VOLUME	6.5			AC-FT
OUTFALL SIZE	1-30" POLYMER & GALVANIZED CMP			
SWMM MODEL SUMMARY				
PEAK INFLOW DISCHARGE	68.6	72.5	89.2	CFS
DISCHARGE FROM POND	24.1	26.6	31.1	CFS
COMPUTED WATER SURFACE ELEVATION	70.2	70.9	72.4	FT
COMPUTED VOLUME USED	3.8	4.4	5.8	AC-FT

FBTRA ROW

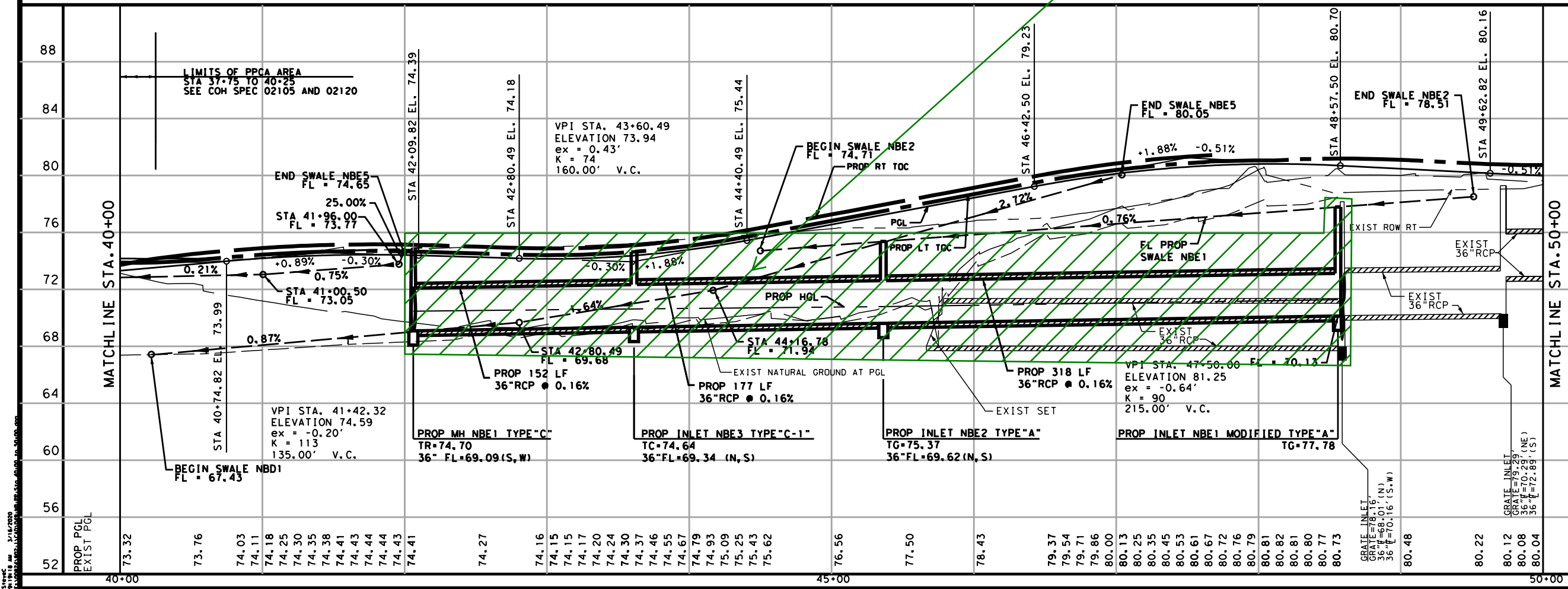


BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" Iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and sold
Survey Marker, being located +/- 0.3 miles
Southeast of the Intersection of Fondren
and Fort Bend Tollroad.

Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A

40 20 0 40
SCALE: 1"=40'

NOTE:
1. LOCATION OF EXISTING UNDERGROUND
UTILITIES ARE APPROXIMATE. CONTRACTOR
TO CONFIRM LOCATIONS IN THE FIELD.



No.	DATE	REVISIONS	APP.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO
CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT
UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE
DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

VERIFICATION OF PRIVATE UTILITY LINES

Date: _____
CenterPoint Energy natural gas utilities shown. (Gas service
lines are not shown). This signature not be used for
conflict verification.
Signature valid for six months.

Date: _____
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification
ONLY. (This signature verifies existing underground facilities -
not to be used for conflict verification)
Signature valid for six months.

Date: _____
Approved for AT&T underground conduit facilities only.
Signature valid for one year.

VanDeWiele & Vogler Incorporated
2925 Briarpark, Suite 275
Houston, Texas 77042-3778
713/782-0042
www.vandewiele-eng.com
Texas Professional Engineering
Firm Registration No. F148

**THIS DOCUMENT IS FOR
REVIEW ONLY AND
NOT INTENDED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES.**

RUBEN MARTINEZ
P.E. NO. 108739
3/16/2020

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**HILLCROFT AVENUE AND
COURT ROAD EXTENSION**

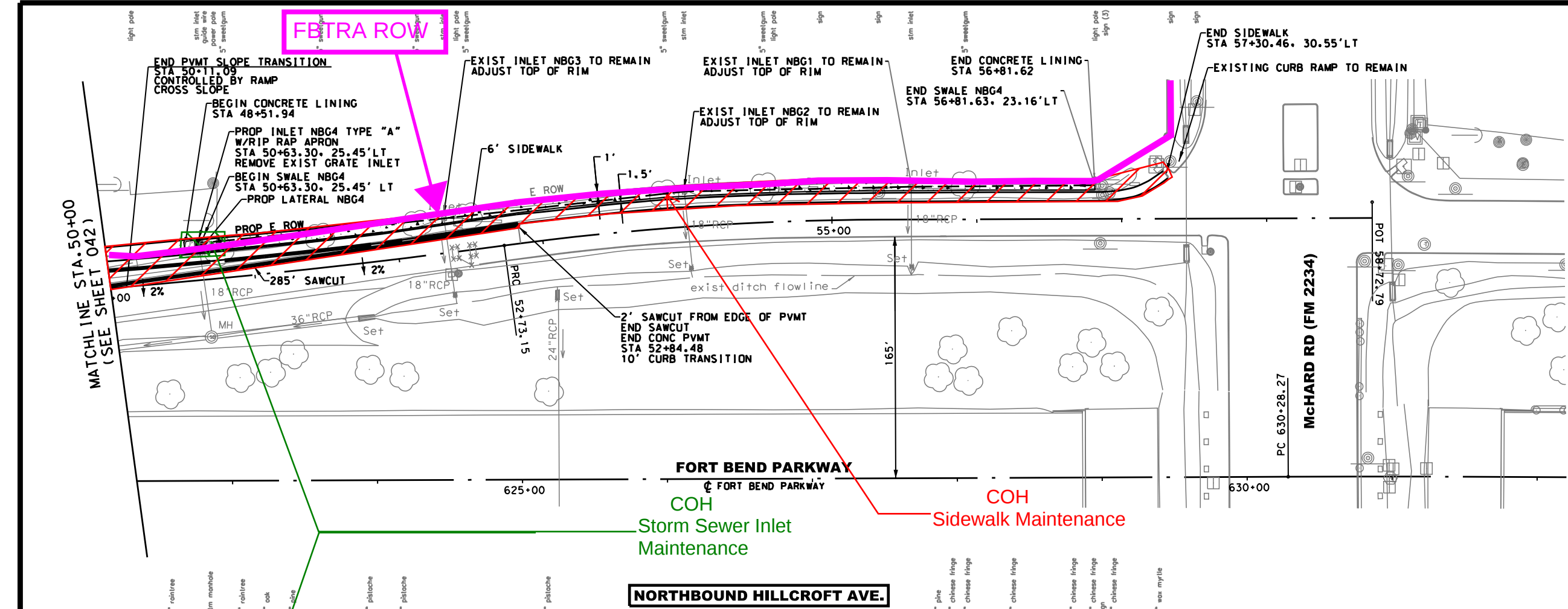
**PLAN AND PROFILE
NB HILLCROFT AVE.
STA 40+00 TO STA 50+00**

WBS NUMBER
N-000821-00002-4

DRAWING SCALE
VERT. 1"=4' HORIZ. 1"=40'

CITY OF HOUSTON PM
TIM VU, PE

SHEET No. 049 OF 160

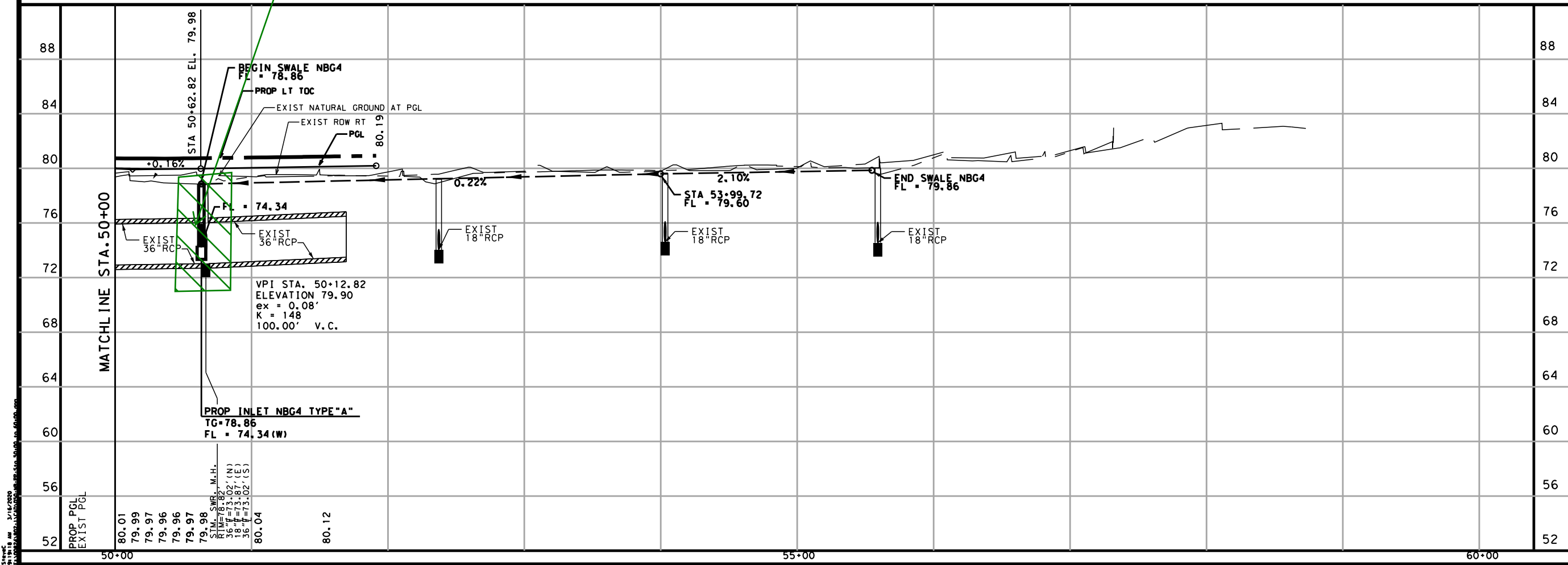


BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" Iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and solid
Survey Marker, being located +/- 0.3 miles
Southeast of the intersection of Fondren
and Fort Bend Tollroad.

Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A

40 20 0 40
SCALE: 1"=40'

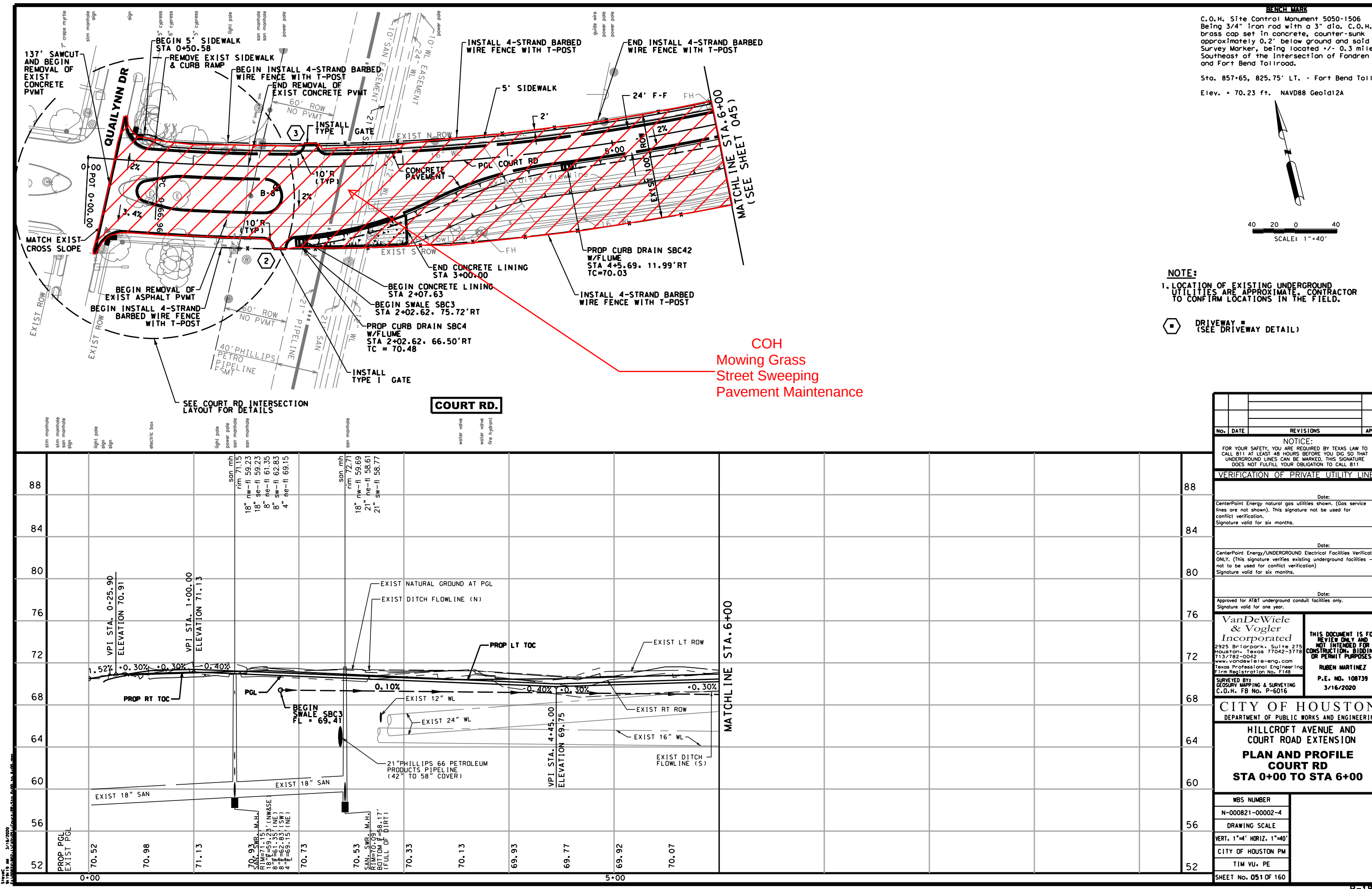
NOTE:
1. LOCATION OF EXISTING UNDERGROUND
UTILITIES ARE APPROXIMATE. CONTRACTOR
TO CONFIRM LOCATIONS IN THE FIELD.



No.	DATE	REVISIONS	APP.
NOTICE:			
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 811			
VERIFICATION OF PRIVATE UTILITY LINES			
Date:			
CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not be used for conflict verification.			
Signature valid for six months.			
Date:			
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities - not to be used for conflict verification)			
Signature valid for six months.			
Date:			
Approved for AT&T underground conduit facilities only.			
Signature valid for one year.			
VanDeWiele & Vogler Incorporated 2925 Briarpark, Suite 275 Houston, Texas 77042-3778 713/7182-0042 www.vandewiele-eng.com Texas Professional Engineering Firm Registration No. F148		THIS DOCUMENT IS FOR REVIEW ONLY AND NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. RUBEN MARTINEZ P.E. NO. 108739 3/16/2020	
SURVEYED BY: GEO SURV MAPPING & SURVEYING C.G.H. FB NO. P-6016			
CITY OF HOUSTON			
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING			
HILLCROFT AVENUE AND COURT ROAD EXTENSION			
PLAN AND PROFILE NB HILLCROFT AVE. STA 50+00 TO STA 60+00			
WBS NUMBER			
N-000821-00002-4			
DRAWING SCALE			
VERT. 1"=4' HORIZ. 1"=40'			
CITY OF HOUSTON PM			
TIM VU, PE			
SHEET No. 050 OF 160			

3/16/2020
3:14 PM
C:\Users\jmartine\OneDrive\Documents\Hillcroft Ave\Hillcroft Ave.dwg
J:\Users\jmartine\OneDrive\Documents\Hillcroft Ave\Hillcroft Ave.dwg

FILED BY: SC
JOB No: 00821-002-1
P-1821



BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and solid
Survey Marker, being located +/- 0.3 miles
Southeast of the intersection of Fondren
and Fort Bend Tollroad.

Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A

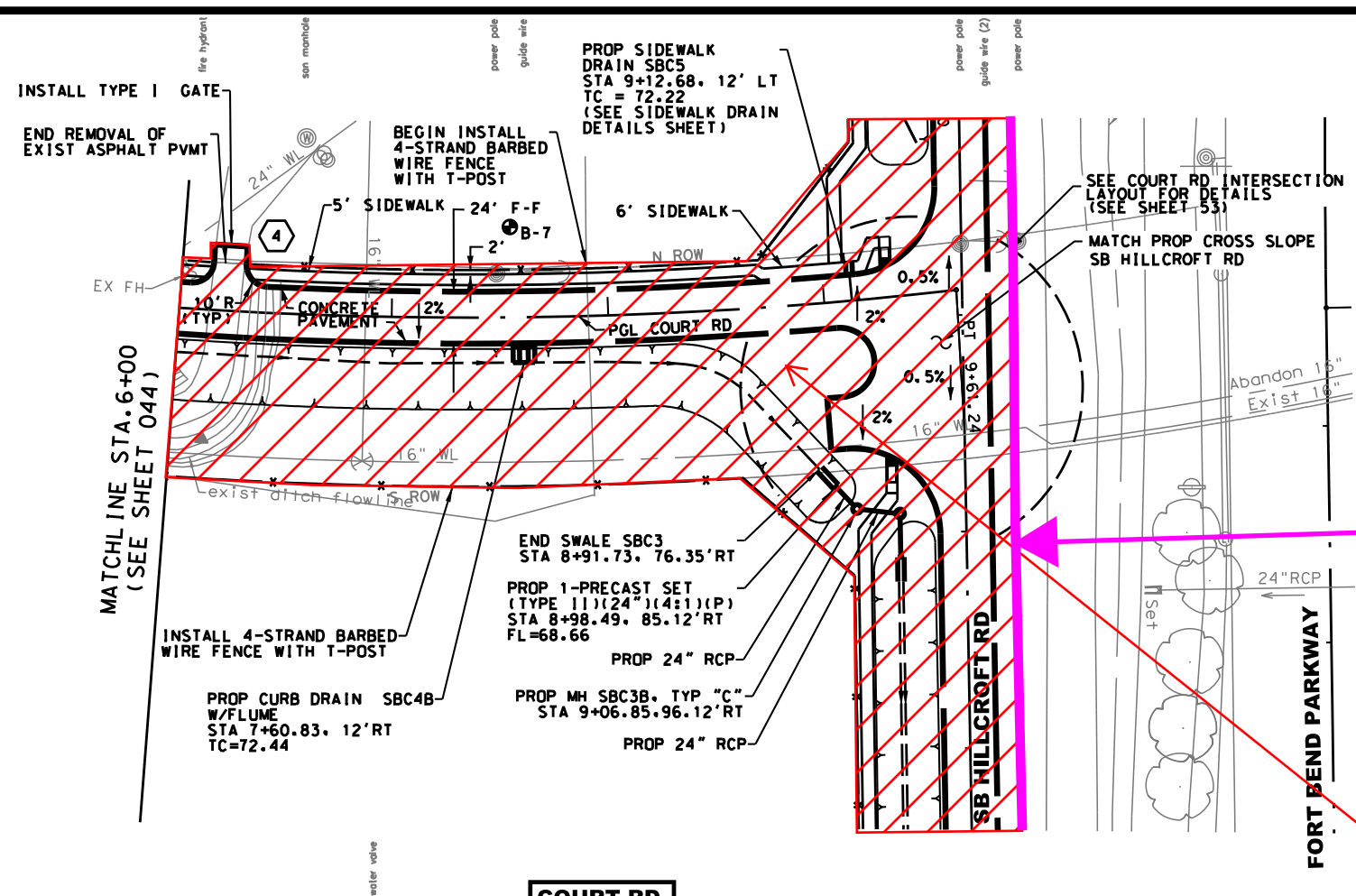
NOTE:
1. LOCATION OF EXISTING UNDERGROUND
UTILITIES ARE APPROXIMATE. CONTRACTOR
TO CONFIRM LOCATIONS IN THE FIELD.

DRIVEWAY
(SEE DRIVEWAY DETAIL)

No.	DATE	REVISIONS			AP
NOTICE: FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 811					
VERIFICATION OF PRIVATE UTILITY LINES					
Date:					
CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not be used for conflict verification. Signature valid for six months.					
Date:					
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities - not to be used for conflict verification) Signature valid for six months.					
Date:					
Approved for AT&T underground conduit facilities only. Signature valid for one year.					
VanDeWiele & Vogler Incorporated 2925 Briarpark, Suite 275 Houston, Texas 77042-3778 713/782-0042 www.vandewiele-eng.com Texas Professional Engineering Firm Registration No. F148			THIS DOCUMENT IS FOR REVIEW ONLY AND NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. RUBEN MARTINEZ P.E. NO. 108739 3/16/2020		
SURVEYED BY: GEOSURV MAPPING & SURVEYING C.O.H. FB NO. P-6016					
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING					
HILLCROFT AVENUE AND COURT ROAD EXTENSION PLAN AND PROFILE COURT RD STA 0+00 TO STA 6+00					
WBS NUMBER					
N-000821-00002-4					
DRAWING SCALE					
VERT. 1"=4' HORIZ. 1"=40'					
CITY OF HOUSTON PM					
TIM VU, PE					
SHEET No. 051 OF 160					

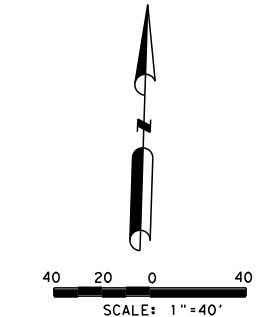
3/16/2020
3:14 PM
C:\Users\jv\OneDrive\Documents\Projects\Hillcroft Ave and Court Rd\051 of 160.dwg

FINAL BY: JVB
JVB 000821-002-1



BENCH MARK
C.O.H. Site Control Monument 5050-1506
Being 3/4" Iron rod with a 3" dia. C.O.H.
brass cap set in concrete, counter-sunk
approximately 0.2' below ground and sold
Survey Marker, being located +/- 0.3 miles
Southeast of the Intersection of Fondren
and Fort Bend Tollroad.

Sta. 857+65, 825.75' LT. - Fort Bend Toll
Elev. = 70.23 ft. NAVD88 Geoid12A



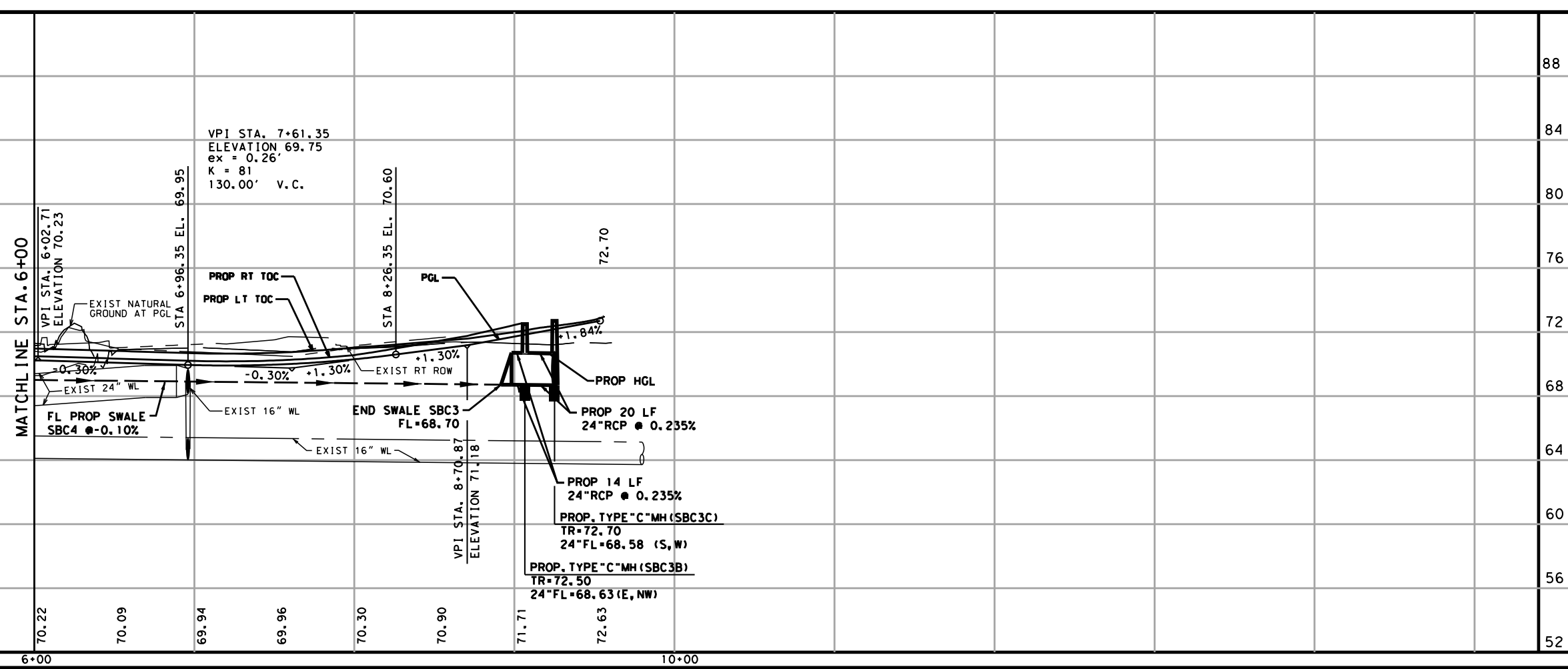
NOTE:
LOCATION OF EXISTING UNDERGROUND
UTILITIES ARE APPROXIMATE. CONTRACTOR
TO CONFIRM LOCATIONS IN THE FIELD.

 **DRIVEWAY** =
(SEE DRIVEWAY DETAIL)

FBTRA ROW

COH
Mowing Grass
Street Sweeping
Pavement Maintenance

COURT RD.



No.	DATE	REVISIONS	APP.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO
CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT
UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE
DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

VERIFICATION OF PRIVATE UTILITY LINES

Date:	Signature

CenterPoint Energy natural gas utilities shown. (Gas service
lines are not shown). This signature not be used for
conflict verification.
Signature valid for six months.

CenterPoint Energy/UNDERGROUND Electrical Facilities Verification
ONLY. (This signature verifies existing underground facilities -
not to be used for conflict verification)
Signature valid for six months.

Approved for AT&T underground conduit facilities only.
Signature valid for one year.

**VanDeWiele
& Vogler
Incorporated**
2925 Briarpark, Suite 275
Houston, Texas 77042-3778
713/782-0042
www.vandewiele-eng.com
Texas Professional Engineering
Firm Registration No. F148

**THIS DOCUMENT IS FOR
REVIEW ONLY AND
NOT INTENDED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES.**

RUBEN MARTINEZ
P.E. NO. 108739
3/16/2020

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

HILLCROFT AVENUE AND
COURT ROAD EXTENSION

**PLAN AND PROFILE
COURT RD
STA 6+00 TO STA 11+00**

WBS NUMBER
N-000821-00002-4
DRAWING SCALE
VERT. 1"=4' HORIZ. 1"=40'
CITY OF HOUSTON PM
TIM VU, PE
SHEET No. 052 OF 160

3/16/2020
3:41:53 AM
C:\Users\pml\OneDrive\Documents\Projects\052-002-1\052-002-1.dwg

FILED BY: SC
JOB No: 052-002-1
P-1821