

# STANDARD UTILITY AGREEMENT

U-0019: ZAYO GROUP, LLC  
County: Fort Bend  
Highway: FM 1093 Westpark Extension

This Agreement by and between the County of Fort Bend, Texas, ("**County**"), and **Zayo Group LLC**, ("**Utility**"), acting by and through its duly authorized representative, shall be effective on the date of approval and execution by and on behalf of the **County**.

**WHEREAS**, the **County** has deemed it necessary to make certain highway improvements as designated by the **County** and approved by the Federal Highway Administration within the limits of the highway as indicated above;

**WHEREAS**, the proposed highway improvements will necessitate the adjustment, removal, and/or relocation of certain facilities of **Utility** as indicated in the following statement of work: relocation of assets into a predesignated corridor according to the following schedule:

Start Date – March 15, 2016  
Completion Date – May 15, 2016

and more specifically shown in **Utility's** Plans and Specifications, Estimated Costs, and Schedule which are attached hereto as Exhibits "A," "B" and "C."

**WHEREAS**, Subchapter E of Chapter 203 of the Texas Transportation Code regarding the relocation of utilities does not apply to this Project, but the County wishes to negotiate in good faith and enter into agreements with all affected utility companies for the participation in the costs of the adjustment, removal, and/or relocation of certain facilities as authorized under such subchapter.

**WHEREAS**, the **County**, upon receipt of evidence it deems sufficient, acknowledges **Utility's** interest in certain lands and/or facilities and determined it is appropriate to enter an agreement with **Utility** to govern the terms for participation in the costs of the adjustment, removal, and relocation of certain of its facilities located upon the lands as indicated in the statement of work above.

**NOW, THEREFORE, BE IT AGREED:**


The **County** will pay to **Utility** fifty percent (50%) of the documented actual costs incurred for relocation of the utility in adjustment, removal, and/or relocation of **Utility's** facilities up to the amount said costs may be eligible for **County** participation.

All conduct under this agreement, including but not limited to the adjustment, removal and relocation of the facility, the development and reimbursement of costs, any environmental requirements, and retention of records will be in accordance with all applicable federal and state laws, rules and regulations, including, without limitation, the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act, 42 U.S.C. §§ 4601, et seq., the National Environmental Policy Act, 42 U.S.C. §§ 4231, et seq., the Buy America provisions of 23 U.S.C. § 313 and 23 CFR 635.410, the Utility Relocations, Adjustments, and Reimbursements provisions of 23 CFR 645, Subpart A, and with the Utility Accommodation provisions of 23 CFR 645, Subpart B. **Utility** shall supply, upon request by the **County**, proof of compliance with the aforementioned laws, rules and regulations prior to the commencement of construction.

The **Utility** agrees to develop relocation or adjustment costs by accumulating actual direct and related indirect costs in accordance with a work order accounting procedure prescribed by **County**, or may, with the **County's** approval, accumulate actual direct and related indirect costs in accordance with an established accounting procedure developed by **Utility**. Bills for work hereunder will be submitted to **County** not later than 90 days after completion of the work.

  
3/30/16  
Date

Fort Bend County

  
2-29-16  
Date

Zayo

When requested, the **County** will make intermediate payments at not less than monthly intervals to **Utility** when properly billed and such payments will not exceed 90 percent (90%) of the eligible cost as shown in each such billing. Intermediate payments shall not be construed as final payment for any items included in the intermediate payment.

Upon execution of this agreement by both parties hereto, the **County** will, by written notice, authorize the **Utility** to perform such work diligently, and to conclude said adjustment, removal, or relocation by the stated completion date. The completion date shall be extended for delays caused by events outside **Utility's** control, including an event of Force Majeure, which shall include a strike, war or act of war (whether an actual declaration of war is made or not), insurrection, riot, act of public enemy, accident, fire, flood or other act of God, sabotage, or other events, interference by the **County** or any other party with **Utility's** ability to proceed with the relocation, or any other event in which **Utility** has exercised all due care in the prevention thereof so that the causes or other events are beyond the control and without the fault or negligence of **Utility**.

However, for any failure by **Utility** to conclude said adjustment, removal, or relocation by the stated completion date not caused by events outside **Utility's** control, the **County** may elect to: (1) reduce the reimbursement to **Utility** by one percent (1%) each day delayed; or (2) relocate the facility at the sole cost and expense of **Utility**.

The **County** will, upon satisfactory completion of the relocation or adjustment and upon receipt of final billing prepared in an approved form and manner, make payment in the amount of 90 percent (90%) of the eligible costs as shown in the final billing prior to audit and after such audit shall make an additional final payment totaling the reimbursement amount found eligible for **County** reimbursement.

Unless an item below is stricken and initialed by the **County and Utility**, this agreement in its entirety consists of the following:

1. Standard Utility Agreement;
2. Plans & Specifications (Attachment "A");
3. Utility Construction Cost Estimate (Attachment "B");
4. Utility's Schedule of Work and Estimated Date of Completion (Attachment "C").

All attachments are included herein as if fully set forth. In the event it is determined that a substantial change from the statement of work contained in this agreement is required, reimbursement therefore shall be limited to costs covered by a modification or amendment of this agreement or a written change or extra work order approved by the **County and Utility**.


This agreement is subject to cancellation by the **County** at any time up to the date that work under this agreement has been authorized and that such cancellation will not create any liability on the part of the **County**. However, the **County** will review and reimburse the **Utility** for eligible costs incurred by the **Utility** in preparation of this Agreement.

The **Utility** acknowledges to and for the benefit of the **County** and State of Texas that it understands the project under this Agreement is eligible for Federal-aid highway funds and as such, requires all of the iron, steel, and manufactured goods used in the project be produced in the United States ("Buy American Requirements") including iron, steel, and manufactured goods provided by the **Utility** pursuant to this Agreement.

The State Auditor may conduct an audit or investigation of any entity receiving funds from the **County** directly under this contract or indirectly through a subcontract under this contract. Acceptance of funds directly under this contract or indirectly through a subcontract under this contract acts as acceptance of the authority of the State Auditor, under the direction of the Legislative Audit Committee, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the state auditor with access to any information the state auditor considers relevant to the investigation or audit.

The **Utility** by execution of this agreement does not waive any of the rights which **Utility** may have within the limits of the law.

 3/30/16  
Date  
Fort Bend County


 DD  
Initial  
2-29-16  
Date  
Zayo

It is expressly understood that the **Utility** conducts the adjustment, removal, or relocation at its own risk, and that Fort Bend County, Texas makes no warranties or representations regarding the existence or location of utilities currently within its right of way.

The signatories to this agreement warrant that each has the authority to enter into this agreement on behalf of the party represented.

**UTILITY**

Utility: Zayo Group, LLC  
*Name of Utility*

By:   
*Authorized Signature*

Dylan Devito  
*Print or Type Name*

Title: Associate General Counsel & VP, Network Development

Date: 2-29-16


**EXECUTION RECOMMENDED:**

<sup>Fort Bend</sup>  
COUNTY  
By:   
*Authorized Signature*

Robert E. Hebert  
*Print or Type Name*

Title: County Judge

Date: April 5, 2016

 3/30/16  
*Date*  
Fort Bend County


DD 2-29-16  
*Initial Date*  
Zayo

# Exhibit A

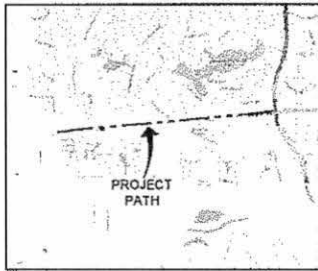
## Zayo Plans & Specifications

(63 Pages that Follow)

 3/30/10  
Date  
Fort Bend County

 2-29-10  
Initial Date  
Zayo

ADDRESS: FM 1093 WEST OF GRAND PARKWAY  
 PROJECT NAME: FM 1093 / WESTPARK EXTENSION RELO



LOCATION MAP

**PROJECT LOCATION**  
 MAP NOT TO SCALE



VICINITY MAP

**CONTACTS**

LEVEL (3)  
 4224 HALL, 832-545-8013  
 GOLDEN FIELD SERVICES  
 ERIN BAKER, 832-357-3282

**PROJECT INDEX**

- 1 - COVER SHEET
- 2 - LEGEND
- 2A - GENERAL NOTES 1
- 2B - GENERAL NOTES 2
- 3 - INDEX SHEET
- 4-10 - CONSTRUCTION PLANS & PROFILES
- 35A-359 - CONSTRUCTION DETAILS
- 300 - LEVEL 3 CABLE PULLING SCHEMATIC
- 31 - TAKE OFF TOTAL

**SCOPE OF WORK**

REMOVE AND REPLACE 18,177' OF THE EXISTING LEVEL 3 COMMUNICATIONS FIBER NETWORK & PLACE 8" HDPE EDGUT & 3" SANDFILL IN THE NORTH RIGHT-OF-WAY OF FM 1093 WESTPARK TOLLWAY ONE TO CITY OF HOUSTON INFRASTRUCTURE EXPANSION OF WESTPARK TOLLWAY

**PROJECT DESCRIPTION**

CLL CODE: 64100000  
 PROJECT ADDRESS: CITY - HOUSTON COUNTY - FORT BEND STATE - TEXAS ZIP CODE - 77448 CUSTOMER: TARRANT

1		
2		
1		
NO	DATE	BY
1		ERIC BESON
2-2-18		REVISION # 1
11-13-15		ISSUED
06/27/16		ISSUED



LEVEL 3 ENGINEER  
 4224 HALL  
 ENGINEERING FIRM  
 GOLDEN FIELD SERVICES  
 PROJECT NUMBER  
 LOCATION: FM 1093 WESTPARK EXTENSION - HOUSTON, TX  
 DRAWING TITLE:

SHEET 1 OF 31  
 COPYRIGHT PROPRIETARY

# LEGEND

**LINETYPES**

---	UG FIBER - EXISTING
---	UG FIBER - PROPOSED
---	AERIAL FIBER - EXISTING
---	AERIAL FIBER - PROPOSED
---	STRAND - EXISTING
---	STRAND - PROPOSED
---	CONDUIT - EXISTING
---	CONDUIT - PROPOSED
---	INNERDUCT - EXISTING
---	INNERDUCT - PROPOSED
---	GAS
---	WATER
---	TELEPHONE
---	ELECTRIC
---	SEWER (SEW)
---	STORM DRAIN
---	FENCE
---	CABLE TV
---	STEAM
---	OIL
---	UNKNOWN UTILITY
---	RIGHT OF WAY
---	EDGE OF PAVEMENT

SYMBOL	DESCRIPTION
ASW	ASPHALT SIDEWALK
BRP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
EOP	EDGE OF PAVEMENT
ETW	EDGE OF TRAVEL WAY
FDC	FACE OF CURB
HOPE	HIGH DENSITY POLYETHYLENE
HW	MANHOLE
JB	JUNCTION BOX
WH	MANHOLE
WP	WALE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
STA	STATION

	RISER
	TELEPHONE
	POWER VAULT
	CATCH BASIN/VALET
	FIRE HYDRANT
	GROUND/DOME
	STREET LIGHT
	TREE
	CULVERT
	WIND WALL
	BRIDGE
	MISC. UTILITY
	UTILITY POLE - EXISTING
	POLE - PROPOSED
	MANHOLE - EXISTING
	MANHOLE - PROPOSED
	MANHOLE - EXISTING
	MANHOLE - PROPOSED
	MANHOLE - EXISTING
	MANHOLE - PROPOSED
	PULLBOX - EXISTING
	PULLBOX - PROPOSED

	VAULT - EXISTING
	VAULT - PROPOSED
	AERIAL STORAGE - EXISTING
	AERIAL STORAGE - PROPOSED
	VAULT/BUILDING STORAGE - EXISTING
	VAULT/BUILDING STORAGE - PROPOSED
	POLE ANCHOR/DOWN GUY - EXISTING
	POLE ANCHOR/DOWN GUY - PROPOSED
	PROPOSED DOWN GUY ON EXISTING ANCHOR
	TERMINATION - EXISTING
	TERMINATION - PROPOSED
	BUILDING CALLOUT - PROPOSED
	SPICE POINT - EXISTING
	SPICE POINT - PROPOSED
	SEQUENTIAL CALLOUT
	SEQUENTIAL IN TAL CALLOUT
	SEQUENTIAL TAL OUT CALLOUT

	POLE ATTACHMENT CALLOUT - EXISTING USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS
	POLE ATTACHMENT CALLOUT - PROPOSED USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS
	CABLE SPAN CALLOUT - EXISTING FOR USE ON PAPER SPACE (SHOWN AT 50%)
	CABLE SPAN CALLOUT - PROPOSED FOR USE ON PAPER SPACE (SHOWN AT 50%)
	CONDUIT CALLOUT - EXISTING FOR USE ON PAPER SPACE (SHOWN AT 50%) WITH OR WITHOUT INNER DUCT INFO
	CONDUIT CALLOUT - PROPOSED FOR USE ON PAPER SPACE (SHOWN AT 50%) WITH OR WITHOUT INNER DUCT INFO
	STRAND CALLOUT - EXISTING FOR USE ON PAPER SPACE (SHOWN AT 50%)
	STRAND CALLOUT - PROPOSED FOR USE ON PAPER SPACE (SHOWN AT 50%)
	SYMBOL CORRESPONDING TO PHOTO LOCATIONS AND ORIENTATION SEE SHEET FOR SITE PHOTOGRAPHS

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DATE: 2-3-18 REGION: 3  
 11-13-15 ORIGINAL  
 DRAWING COMMENT

**Level 3**  
 ENGINEERS  
 LEVELS ENGINEER  
 KEITH HALL  
 ENGINEERING FIRM  
 QUALITY FIELD SERVICES  
 PROJECT NUMBER  
 LOCATION: FM 1233 WESTPARK  
 EXTENSION - HOUSTON, TX  
 DRAWING TITLE

SHEET 2 OF 31  
 CONFIDENTIAL/PROPRIETARY



## GENERAL NOTES 2

### GENERAL CONSTRUCTION NOTES

1. WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING ARE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE DOCUMENTS: "STANDARD CONSTRUCTION SPECIFICATION FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING", "STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING" AND THE "INFRASTRUCTURE DESIGN MANUAL" PUBLISHED BY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING (OCTOBER 2011)
2. ALL UTILITIES PRESENTED ON THESE DRAWINGS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY IN THE FIELD THE EXACT LOCATIONS OF ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY TEXAS ONE-CALL @ 800-545-6065 AND HOUSTON'S UTILITY COORDINATING COMMITTEE @ 713-223-4567 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION.
3. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES TO EXISTING WATER, WASTEWATER, STORM WATER, AND TRAFFIC CONTROL DEVICES. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S "STANDARD CONSTRUCTION SPECIFICATIONS" REFERENCED ABOVE, AT NO COST TO THE CITY OF HOUSTON.
4. CONTRACTOR SHALL NOTIFY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, OFFICE OF THE CITY ENGINEER, 48 HOURS BEFORE STARTING WORK ON THIS PROJECT @ 832-394-9098.
5. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
6. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
7. THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF OSHA REGULATION AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
8. IF THE CONSTRUCTION DOES NOT BEGIN WITHIN A YEAR AFTER THE PLANS HAVE BEEN SIGNED, NEW SIGNATURES MUST BE OBTAINED AND LETTERS OF AVAILABILITY MUST BE UPDATED.
9. CONTRACTOR SHALL PREPARE A SET OF "AS-BUILT" DRAWINGS SHOWING ANY FIELD CHANGES MADE TO THE APPROVED ENGINEERING PLANS AND SUBMIT TO THE DESIGN CONSULTANT FOR SUBMISSION TO THE CITY ENGINEER.
10. THE PROJECT IS SUBJECT TO THE CITY OF HOUSTON STREET CUT ORDINANCE.

### CONTRACTOR NOTE

1. THE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM AVAILABLE PUBLIC CITY INFORMATION. ALL INFORMATION CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERE TO. THE CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND PIPELINES, CONDUITS AND STRUCTURES BY CONTACTING OWNERS OF UNDERGROUND UTILITIES OR BY EXCAVATING IN ADVANCE OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES WHEN AND WHERE THEY FALL IN THE PATH OF CONSTRUCTION.
3. THE CONTRACTOR IS ALSO RESPONSIBLE FOR CONTACTING THE CITY'S UTILITY COORDINATING COMMITTEE @ 713-223-4567 AND TEXAS ONE-CALL @ 800-545-6065 48 FORTY-EIGHT (48) HOURS PRIOR TO ANY CONSTRUCTION.
4. ALL PROPOSED FACILITIES SHALL MAINTAIN 12' CLEARANCE FROM ALL PUBLIC AND PRIVATE UTILITIES.

### PROPOSED FACILITIES

1. THE LOCATIONS OF ALL PROPOSED FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL CALL AEP TEXAS @ 800-344-8377 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.
3. WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF EXISTING FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN BORING, THE CONTRACTOR SHALL EXPOSE THE EXISTING FACILITIES.
4. WHEN THE EXISTING FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES, THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.
5. THE PRESENCE OR ABSENCE OF EXISTING FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURIED CABLES OR OTHER CABLES IN CONDUIT IN THE AREA.
6. CONTRACTOR TO CONTACT UTILITY OWNER DEPARTMENT FOR DAMAGE PREVENTION IF THERE ARE ANY QUESTIONS ABOUT BORING OR EXCAVATING NEAR EXISTING FACILITIES.

### !!WARNING!! OVERHEAD ELECTRIC

OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT THE CONTRACTOR SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS L.A.S. SECTION 732, HEALTH & SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH-VOLTAGE LINES. PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY @ 713-207-2222.

### ::CAUTION:: UNDERGROUND GAS

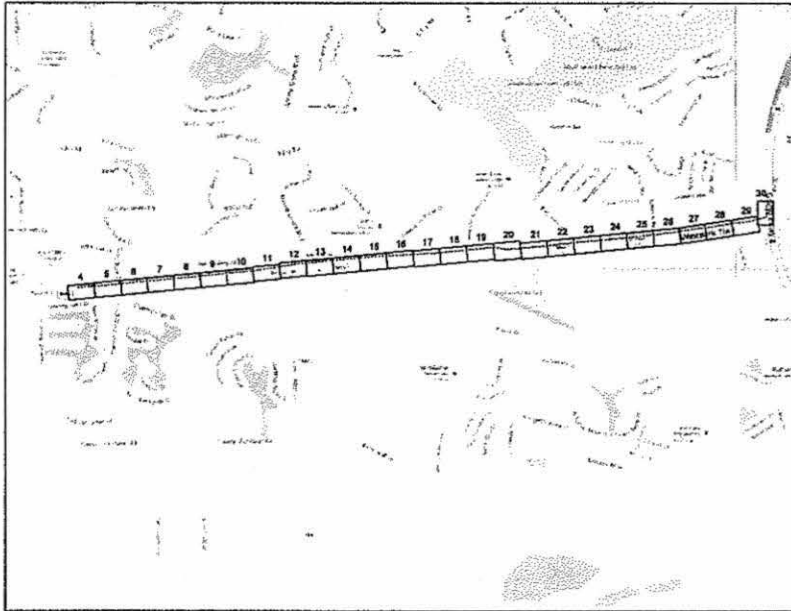
LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTERSTATE PIPELINE LLC WHERE APPLICABLE) ARE SHOWN IN APPROXIMATE LOCATION ONLY. SERVICES LINES ARE NOT USUALLY SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATION COMMITTEE @ 713-223-4567 OR 800-659-8344 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- WHEN CENTERPOINT ENERGY PIPE LINE MARKING ARE NOT VISIBLE, CALL 713-967-8037 (7:00 AM TO 4:30 PM) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.
- WHEN EXCAVATING WITHIN (18") OF INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
- WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

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NO	DATE	BY
		AS-BUILT
2-7-18		REVISION # 1
11-13-15		ORIGINAL
DATE		CONTRACT
<b>Level(3)</b> CONSTRUCTION		
LEVEL 3 ENGINEER		
METHUEN		
ENGINEERING FIRM		
GOLDEN FIELD SERVICES		
PROJECT NUMBER		
LOCATION: 140100 HEDGECOCK		
EXTENSION - HOUSTON, TX		
DRAWING TITLE		
SHEET 28 OF 31		
COPY CENTER/PROJ FILE/REV		

# INDEX SHEET



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NO.	DATE	JOB DESIGN
1	06-08-17	
2-3-18	REVISED # 1	
11-15-18	ORIGINAL	
DRAWING	DRAWING	
<b>Level(3)</b> CORPORATION		
LEVEL 3 ENGINEER KEITH HALL		
ENGINEERING FIRM GOLDEN FIELD SERVICES		
PROJECT NUMBER:		
LOCATION: FM 1008 WESTRANK EXTENSION - HOUSTON, TX		
DRAWING NAME:		
SHEET 3 OF 31		
CONFIDENTIAL/PROPRIETARY		

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

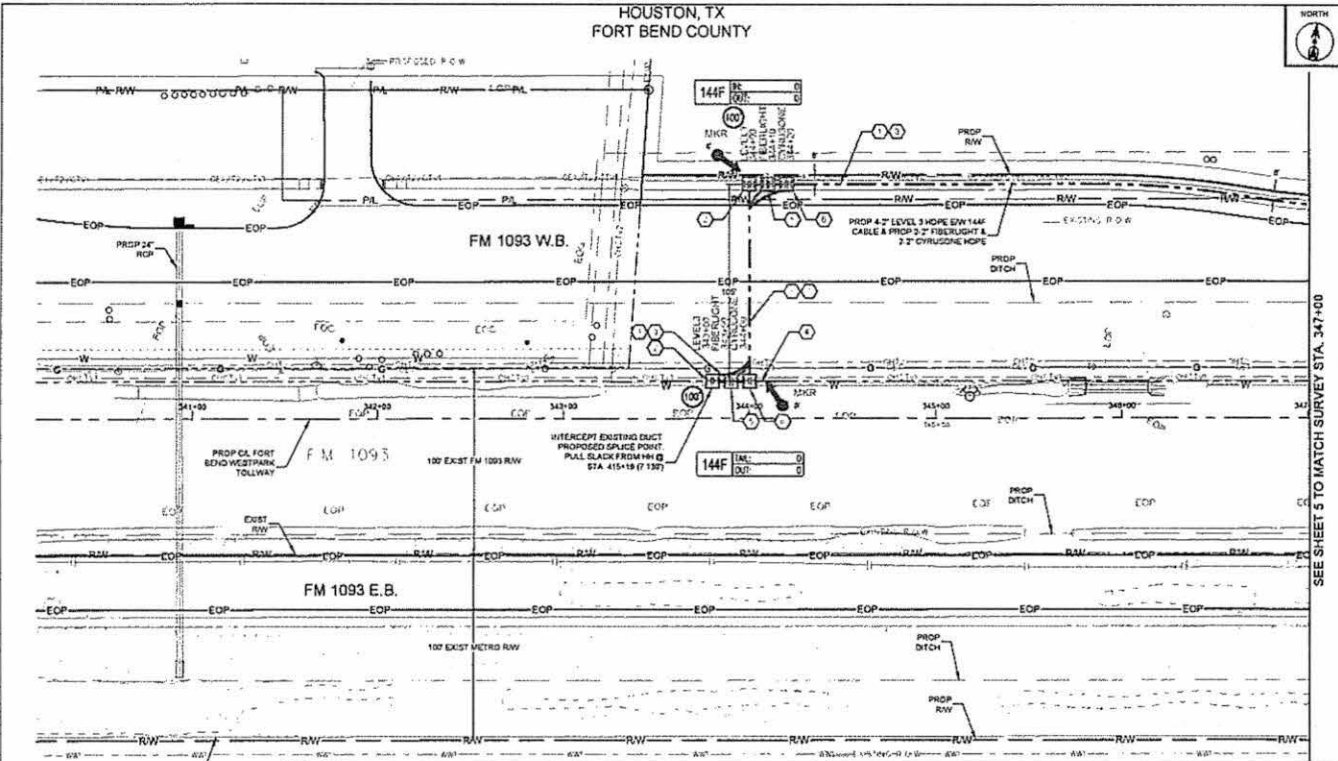
- 1 CABLE OWNER LEVELS  
CABLE LENGTH 425'  
CABLE DIA. 8"  
CABLE SEE P  
CONSP. THIS INFO  
NOTE: 100' 8-2" HOPE
- 2 LEVEL HOLE - 2  
DIA. 100' 1-144" IN DIA. HOLE
- 3 CABLE REEL: 144'  
CABLE OWNER LEVELS  
CABLE LENGTH 300'
- 4 CABLE REEL: 144'  
CABLE OWNER LEVELS  
CABLE LENGTH 300'
- 5 FRESHEN HOLE - 1
- 6 CRUSHED HOLE - 2

- CONTRACTOR HOPE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 6 2" HOPE CONFIGURATION
  - 4 2" LEVELS
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
  - 2 2" FIBERGLASS
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2 2" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

2	1	1
NO	DATE	BY
11-15-13	11-15-13	DRW/DA
11-15-13	11-15-13	DRW/DA

**Level 3**  
ENGINEERS  
11111  
ENGINEERING/FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING DATE

SCALE: HOR. 1"=100'  
SHEET: 4 OF 31  
CONTRACT NUMBER: 1447-000



Page Name: CR - Mathan			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 6 2" HOPE EDR 9	FT	425	
MAT-00270 - TIER 15 30"x48"x35" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	6	
MAT-02030 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Name: DF - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30250-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	425	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	425	
UGB-30260-S - PLACE UP TO 238 COUNT FOC IN CONDUIT UP TO 1500' (200' IN COLL)	FT	625	
UGB-31270-S - PLACE NEW 30"x48"x35" - HIGH CONCRETE HANDHOLE	EA	6	
UGB-31990-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	300	
UGB-30930-S - INTERCEPT CONDUIT W/IE CAST 2"	EA	1	
UGB-31920-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30160-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,635	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

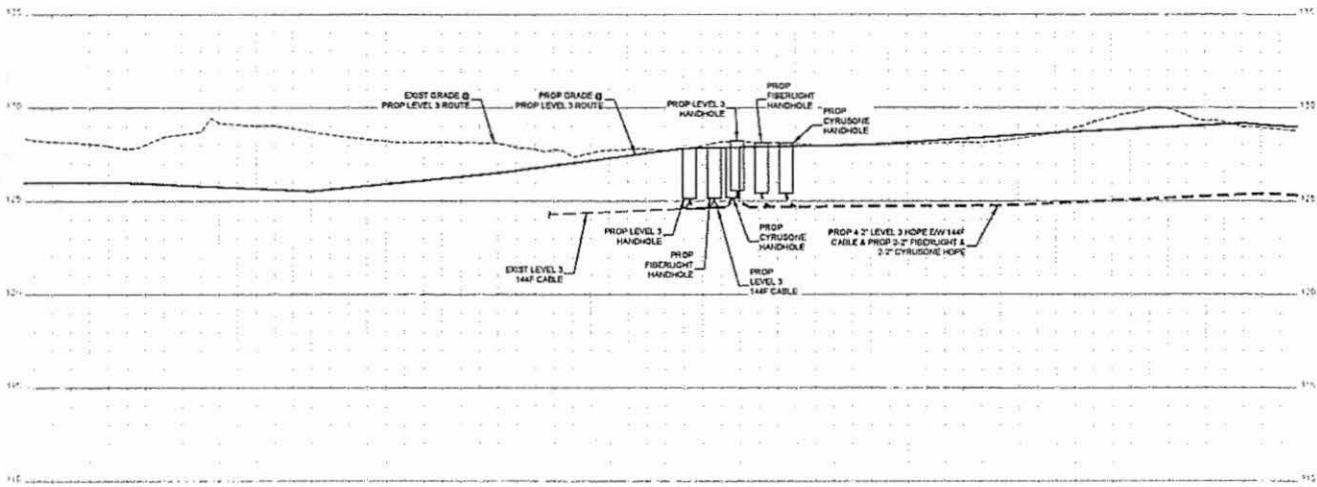


CALL BEFORE YOU DIG  
1-800-345-6009  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 6.2" HOPE CONFIGURATION
- 4.2" LEVEL 3
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2.2" FIBERLIGHT
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2.2" CYRUSONE
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE

NO.	DATE	ENG. DESIGN
1		
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**Level (3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: F16 1000 WESTPARK  
EXTENSION - HOUSTON, TX

DATE: 07/20/15

SCALE: VERT. 1"=10'

SHEET: 4A OF 31

CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-6005  
48 HOURS NOTICE REQUIRED

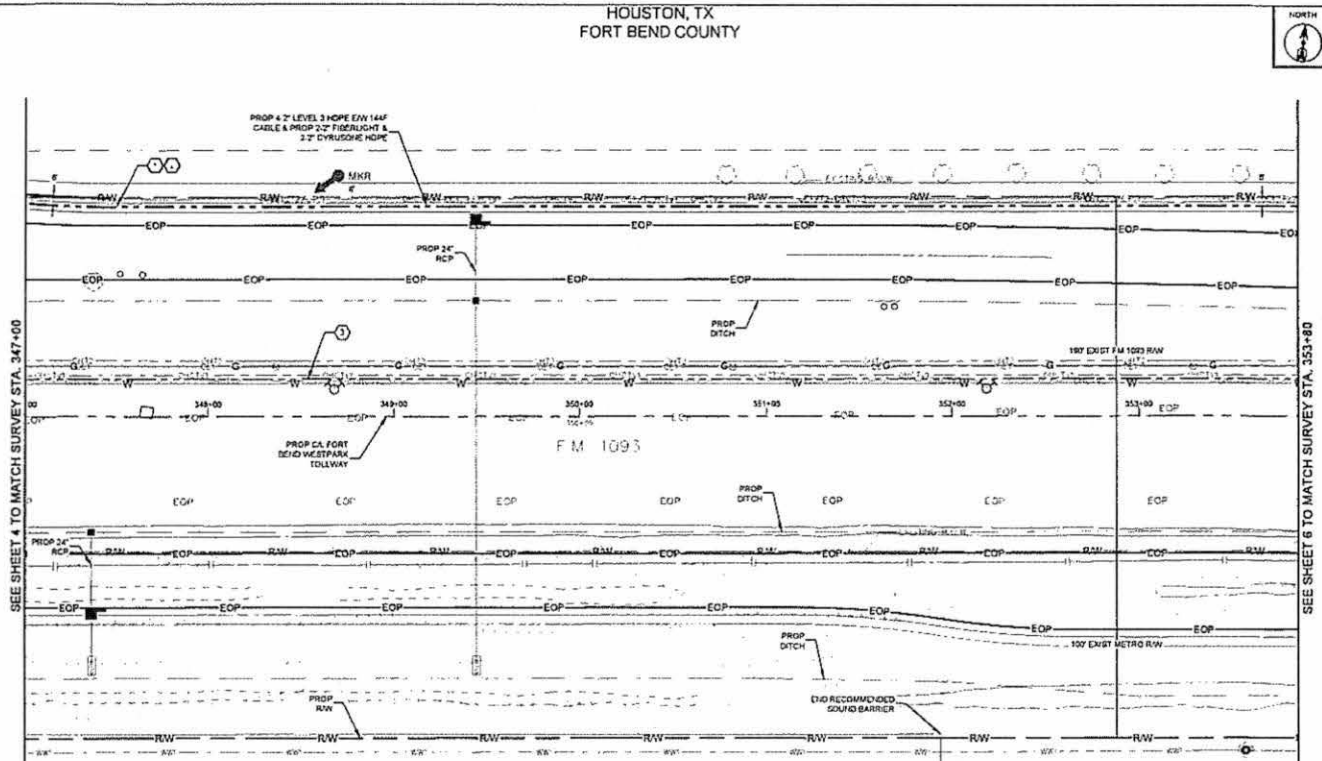
HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1) EXIST OWNER LEVEL CONDUIT LOCATED 144" CONDUIT 24" 8" CONDUIT 24" 8" CONDUIT TYPE HOPE NOTES: TOUCH 8"-2" HOPE
- 2) CABLE (FIBER) 144" CABLE (FIBER) LEVELS CABLE LOCATED 144"
- 3) CABLE (FIBER) 144" CABLE (FIBER) LEVELS CABLE LOCATED 144" NOTES: REMOVE 144" CABLE

- CONSTRUCTION NOTE: CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW.
- 8" HOPE CONFIGURATION:
- 42" LEVELS
  - BLACK W/PURPLE STRIPE
  - BLACK W/ORANGE STRIPE
  - BLACK W/RED STRIPE
  - BLACK W/BROWN STRIPE
  - 2" FIBERLIGHT
  - BLACK W/RED STRIPE
  - BLACK W/BLUE STRIPE
  - 2" CYRUSONE
  - BLACK W/WHITE STRIPE
  - BLACK W/GRAY STRIPE



SEE SHEET 4 TO MATCH SURVEY STA. 347+00

SEE SHEET 6 TO MATCH SURVEY STA. 353+80

Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8" HOPE SDR 9	FT	650	
MAT-82000 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Make Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGD-30250-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	650	
UGD-30140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	650	
UGD-30950-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGD-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGD-31300-S - PLACE LOCATE MARKER POST	EA	1	
UGD-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4760	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-543-0025  
48 HOURS NOTICE REQUIRED

Level(3)  
ENGINEERING

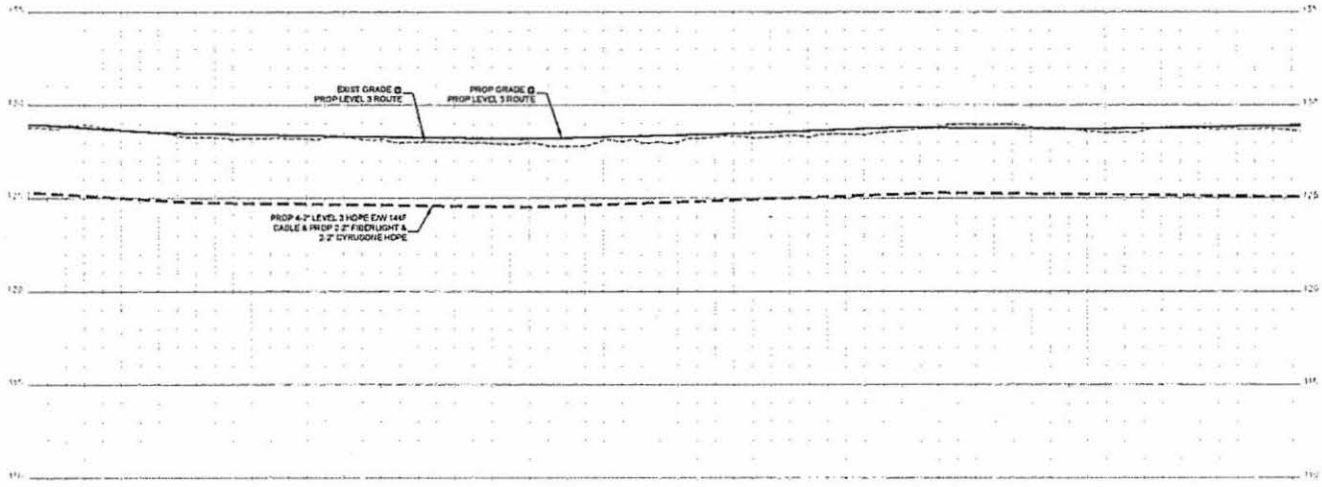
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERED FROM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING DATE

SCALE: HORIZ 1"=50'  
SHEET 5 OF 31  
COPYRIGHT/RESERVED TARI

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW

6\"/>

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**Level(3)**  
ENGINEERING FIRM

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1035 WE STRAK  
EXTENSION - HOUSTON, TX

DRAWING DATE

SCALE: VERT 1"=0'

SHEET: SA OF 31

CONFIDENTIAL/PROPRIETARY



UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CALL BEFORE YOU DIG  
1-800-545-8005  
48 HOURS NOTICE REQUIRED

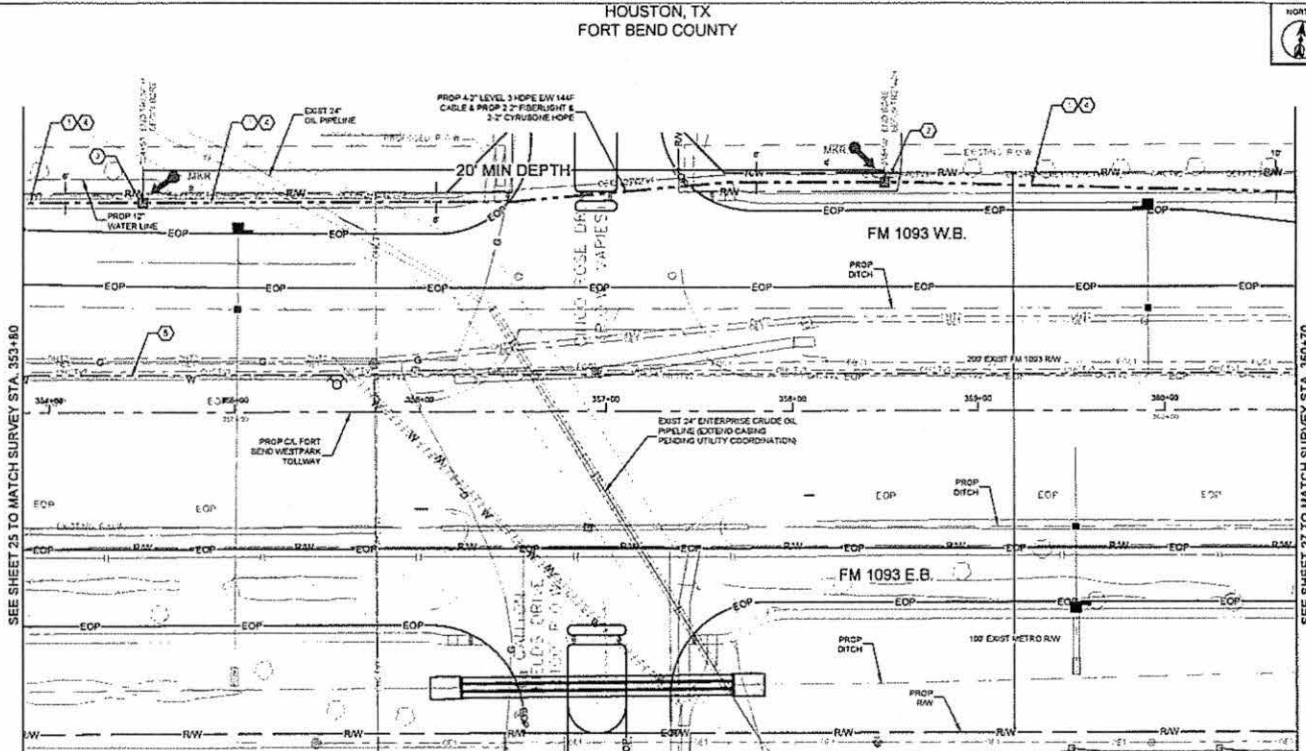
HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OVER LEVELS  
CONDUIT LENGTH 250'
- 2 CONDUIT CITY B
- 3 CONDUIT TYPE 144"
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- 99 CONDUIT TYPE 144"
- 100 CONDUIT TYPE 144"

- CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8" HOPE CONFIGURATION:  
4" LEVELS  
BLACK W/ PURPLE STRIPE  
BLACK W/ ORANGE STRIPE  
BLACK W/ GREEN STRIPE  
BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT  
BLACK W/ RED STRIPE  
BLACK W/ BLUE STRIPE
- 3" CYRUSONE  
BLACK W/ WHITE STRIPE  
BLACK W/ GREY STRIPE



SEE SHEET 25 TO MATCH SURVEY STA. 353+80

SEE SHEET 27 TO MATCH SURVEY STA. 360+70

Page Rate Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-2" HOPE SDR 8	FT	690	
MAT-02000 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Rate Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UCB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	290	
UGB-30140-G - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	290	
UCB-30550-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UCB-30550-S - PLACE UP TO 255 CONDUIT FOC IN CONDUIT UP TO 1500'	FT	690	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	690	
UGB-31950-S - PLACE LOCATE MARKER POST	EA	2	
UCB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,030	
UGB-30780-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2,800	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-542-6222  
48 HOURS NOTICE REQUIRED

**Level(3)**  
CORPORATION

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT MANAGER  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING NUMBER

SCALE: HORIZ. 1"=40'

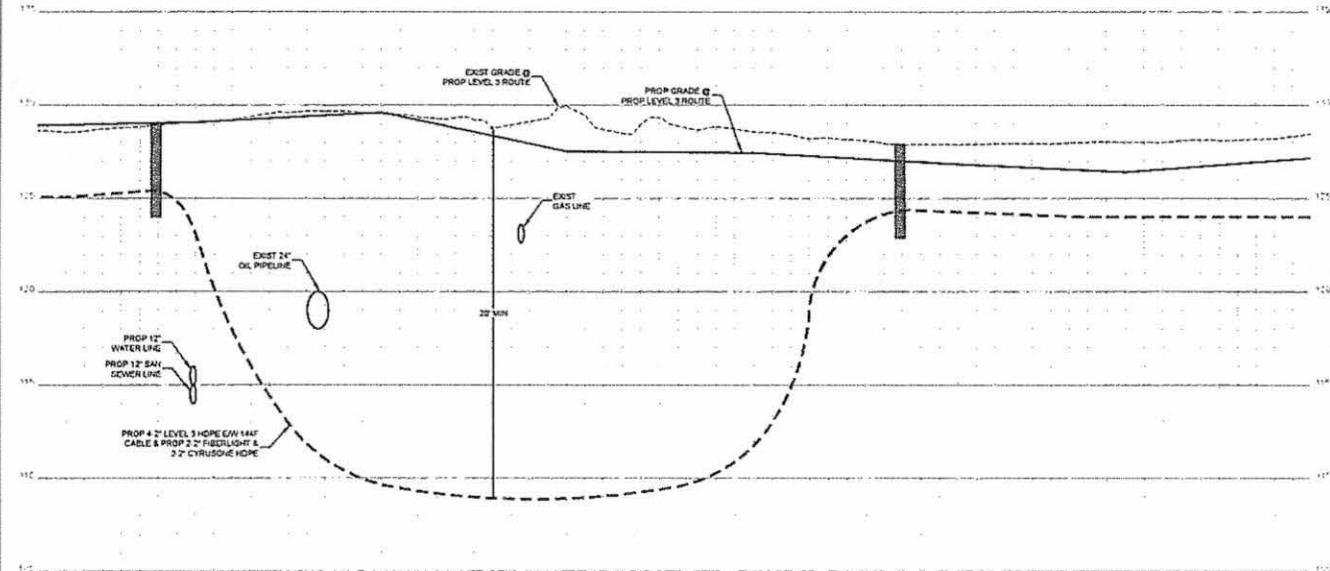
SHEET 6 OF 31

DATE: 08/14/2014

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 6" HOPE CONFIGURATION
- 4" (2 LEVELS)
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERGLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
- 2" CYRUSONE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

NO	DATE	ENG. DESIGN
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**Level(3)**  
CORPORATION

LEVEL 3 ENGINEER  
NORTHALL

ENGINEERING FIRM  
GOLDER FIELDS SERVICES

PROJECT NUMBER

LOCATION: FM 1553 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING NO.:

SCALE: VERT. 1"=1'

SHEET GA OF 31

CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND  
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S  
RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND  
UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL  
DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 500'  
CONDUIT QTY 8  
CONDUIT SIZE 8"  
CONDUIT TYPE HOPE  
NOTE: SPACING 8'-0" HOPE
- 2 LEVELS VEHICLE  
CON. 100' 1-144F IN 144'
- 3 CABLE TRENCH 144'  
CABLE OWNER: LEVELS  
CABLE LENGTH 799'
- 4 CABLE TRENCH 144'  
CABLE OWNER: LEVELS  
CABLE LENGTH 800'  
ACCESS REMOVE 144' CABLE
- 5 FOOTLIGHT VEHICLE
- 6 CRUSOE VEHICLE

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

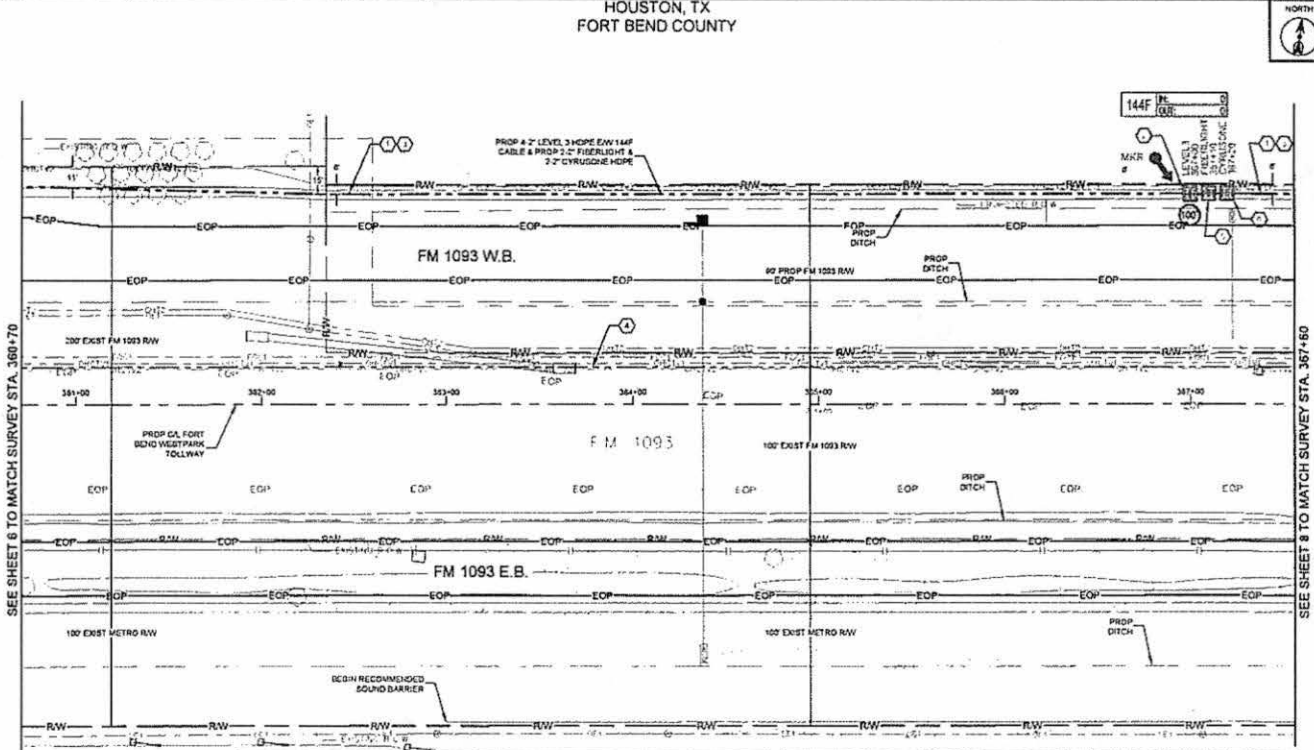
- 8" HOPE CONFIGURATION
- 4" LEVELS
  - BLACK W/PURPLE STRIPE
  - BLACK W/ORANGE STRIPE
  - BLACK W/RED-OR STRIPE
  - BLACK W/BROWN STRIPE
  - 3" FIBERLIGHT
  - BLACK W/RED STRIPE
  - BLACK W/BLUE STRIPE
  - 3" CYRUSOPE
  - BLACK W/WHITE STRIPE
  - BLACK W/ GREY STRIPE

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**Level(3)**  
LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
EIGHTH FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION HOUSTON, TX  
DRAWING SCALE

SCALE: HOR. 1"=50'  
SHEET 7 OF 31  
CONFIDENTIAL/PROPRIETARY



SEE SHEET 6 TO MATCH SURVEY STA. 360+70

SEE SHEET 8 TO MATCH SURVEY STA. 367+60

Page Name: 05 - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8" HOPE SDR-8	FT	630	
MAT-00370 - TER 15 30'X48'X36" WITH KICK-OUTS AND RACKING - ROLLING COVER	EA	3	
MAT-02000 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Name: 05 - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30055-S - TRENCH GREATER THAN 1200' TRENCH 48" MINIMUM COVER	FT	630	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	630	
UGB-30200-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COILS)	FT	780	
UGB-31120-S - PLACE 1 NEW 30"X45"X36" NON-CONCRETE HANDHOLE	EA	3	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4 630	



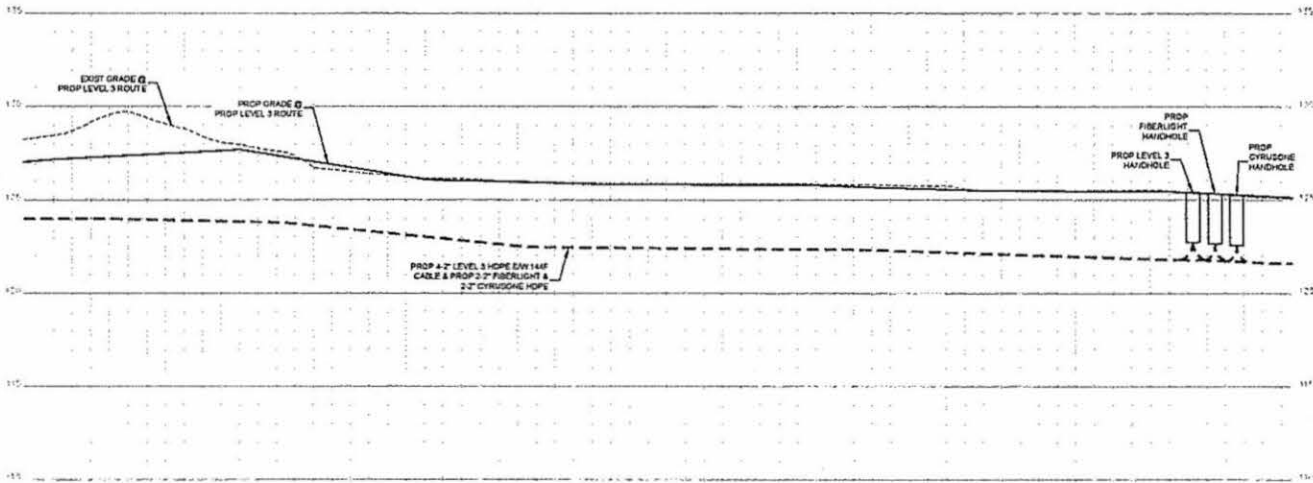
CALL BEFORE YOU DIG  
1-800-541-6000  
48 HOURS NOTICE REQUIRED

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HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY ALL HOPE COUPLERS AS NOTED BELOW
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  - BLACK W/ PURPLE STRIPE
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LEVEL 3 ENGINEER  
KATH HILL  
ENGINEERING FIRM  
GOLDEN FIELDS SERVICES  
PROJECT NUMBER  
LOCATION: FM 1033 WESTPARK  
EXTENSION, HOUSTON, TX  
DATE: 07/20/16

SCALE: VERT 1"=5'  
SHEET 7A OF 31  
EQUIPMENTAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-8005  
48 HOURS NOTICE REQUIRED

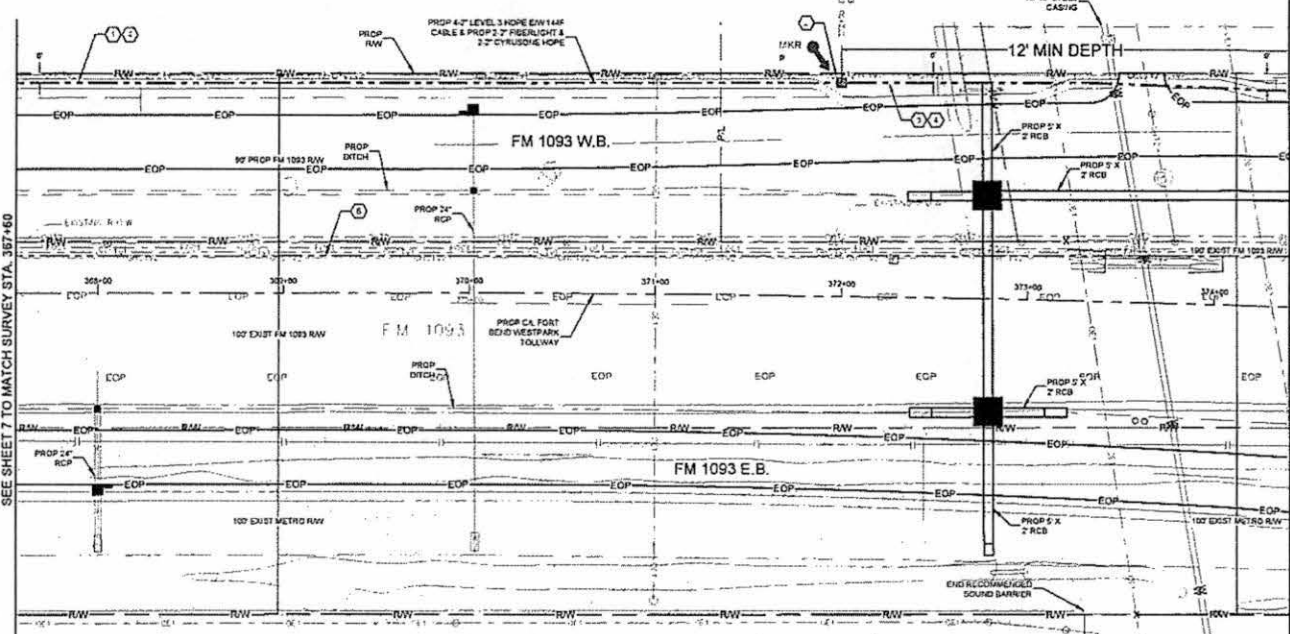
HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1) COEXIST OWNER LEVELS  
COEXIST 60" & 48"  
COEXIST 30" & 24"  
COEXIST 18" HOPE  
NOTE: TRENCH 8'-2" WIDE
- 2) PROPOSED SDR 9
- 3) COEXIST OWNER LEVELS  
COEXIST 60" & 48"  
COEXIST 30" & 24"  
COEXIST 18" HOPE  
NOTE: BORE 8'-2" WIDE
- 4) CABLE TRENCH: 144"  
CABLE OWNER LEVELS  
CABLE LENGTH: 800'
- 5) CABLE TRENCH: 144"  
CABLE OWNER LEVELS  
CABLE LENGTH: 800'  
NOTE: REMOVE 144" CABLE

- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8" HOPE CONFIGURATION
- 4" LEVELS:
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2" FIRELIGHT
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2" CYRUSOPE
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE



SEE SHEET 7 TO MATCH SURVEY STA. 367+60

SEE SHEET 9 TO MATCH SURVEY STA. 374+40

Page Make CH - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8" HOPE SDR 9	FT	680	
MAT-00200 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Make CH - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1000' TRENCH 48" MINIMUM COVER	FT	440	
UGB-30140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	440	
UGB-30590-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	240	
UGB-30990-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	680	
UGB-31640-S - EXCAVATE SMALL PIT 8'X4'X5'	EA	1	
UGB-31660-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,000	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,680	

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CALL BEFORE YOU DIG  
1-800-543-0005  
48 HOURS NOTICE REQUIRED

**Level(3)**  
LEVEL ENGINEER  
KATH HALL  
ENGINEERING FIRM  
LOCAL FIELD SERVICES

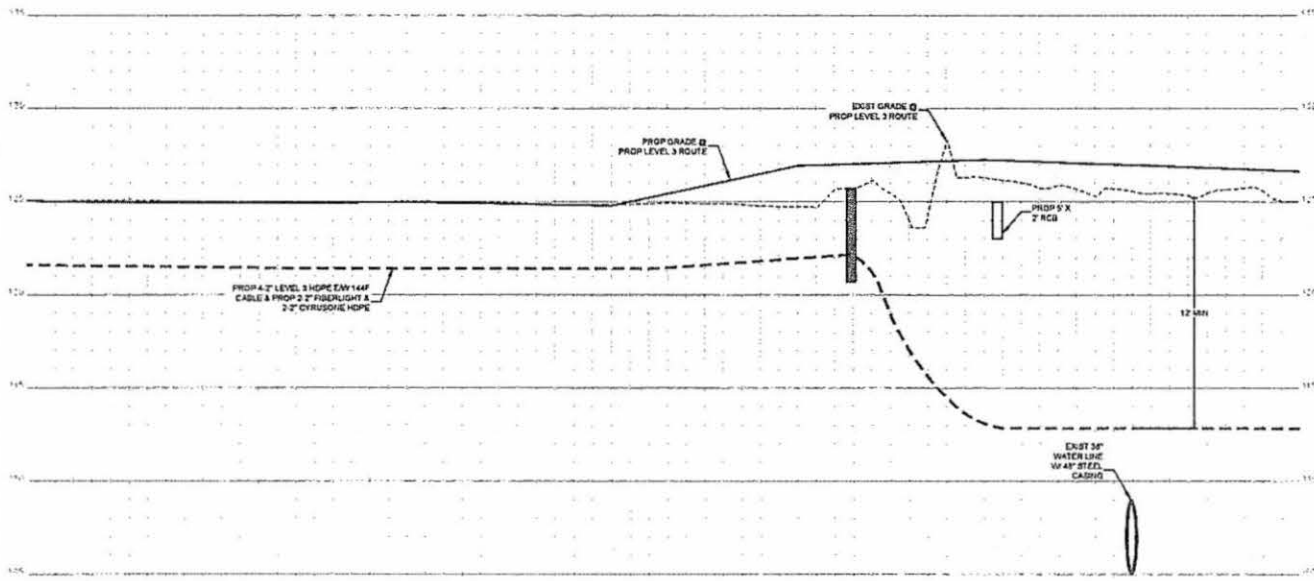
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
IN FORT BEND COUNTY, HOUSTON, TX  
DRAWING NUMBER

SCALE: HQR 1"=50'  
SHEET 8 OF 31  
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW
- 2" HOPE CONFIGURATION**
- 2" LEVEL(3)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT**
- BLACK W/ RED STRIPE
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- 2" CYRUSDIE**
- BLACK W/ WHITE STRIPE
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**Level(3)**  
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
CONSULTING FIELD SERVICES  
PROJECT NUMBER  
LOCATION FM 1023 WESTPARK  
EXTENSION-HOUSTON, TX  
DRAWING TITLE

SCALE: VERT 1"=5'  
SHEET BA OF 31  
CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-543-0005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT LOCUS 114F  
CONDUIT CTY: B  
CONDUIT SIZE: 8"  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-1" HDPE
- 2 CONDUIT OWNER LEVELS  
CONDUIT LOCUS 487  
CONDUIT CTY: B  
CONDUIT SIZE: 8"  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-1" HDPE
- 3 CABLE PEGS: 114F  
CABLE OWNER: L2E3  
CABLE LOCUS: 897
- 4 CABLE PEGS: 114F  
CABLE OWNER: L2E3  
CABLE LOCUS: 897  
NOTES: REMOVE 114F CABLE

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

- 8-7 HOPE CONFIGURATION
- 4-2" LEVELS
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ RED W/ STRIPE
  - BLACK W/ BROWN STRIPE
- 2-7 FIBERLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2-2" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

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**Level(3)**

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
COLLEEN FIELDS SERVICES

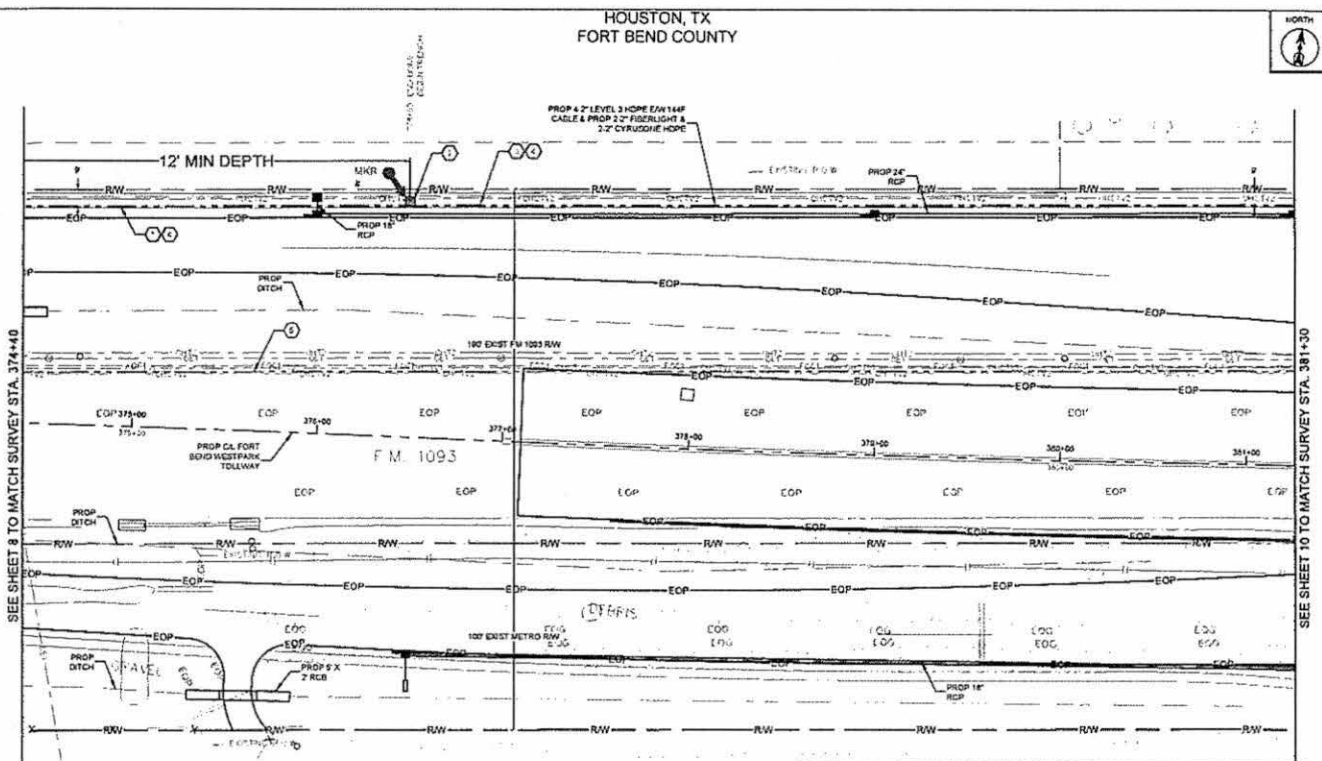
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING DATE

SCALE: HOR: 1"=50'  
VERT: 1"=10'

SHEET 9 OF 31

EDMUNDS/ALFONSO/PELLEY LARRY



Page Name Or. Material	Units	Estimated Quantity	Actual Quantity
Unit Code & Description			
MAT-00150 - CONDUIT 8-2" HOPE SDR 9	FT	630	
MAT-02050 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Name Or. Work Performed	Units	Estimated Quantity	Actual Quantity
Unit Code & Description			
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	480	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	480	
UGB-30250-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	210	
UGB-30260-S - PLACE UP TO 288 COUNT FCC IN CONDUIT UP TO 1500'	FT	630	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X2'	EA	1	
UGB-31950-S - REMOVE AND DISPOSE OF 1 114F CABLE	FT	630	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,500	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,470	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CALL BEFORE YOU DIG  
1-800-545-6025  
48 HOURS NOTICE REQUIRED

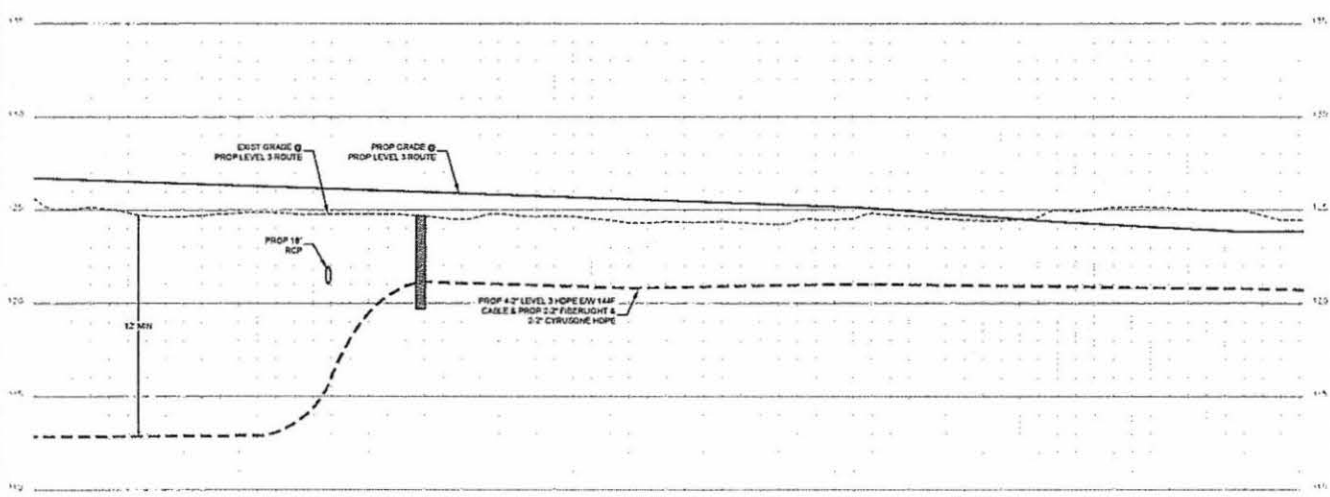
SEE SHEET 8 TO MATCH SURVEY STA. 374+40

SEE SHEET TO MATCH SURVEY STA. 381+30

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW
- 4" HOPE CONFIGURATION
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERGLITE
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
- 2" CYRUSONE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

NO	DATE	BY	REVISION
1			
2-3-14			REVISED
11-12-15			ORIGINAL

**Level(3)**  
ENGINEERING

LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FROM  
GOLDEN FEEB SERVICES  
PROJECT NUMBER  
LOCATION: FM 10531E STYAK  
EXTENSION, HOUSTON, TX  
DRAWING TITLE

SCALE: VERT 1"=3'  
SHEET: SA OF 31  
CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-0005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY

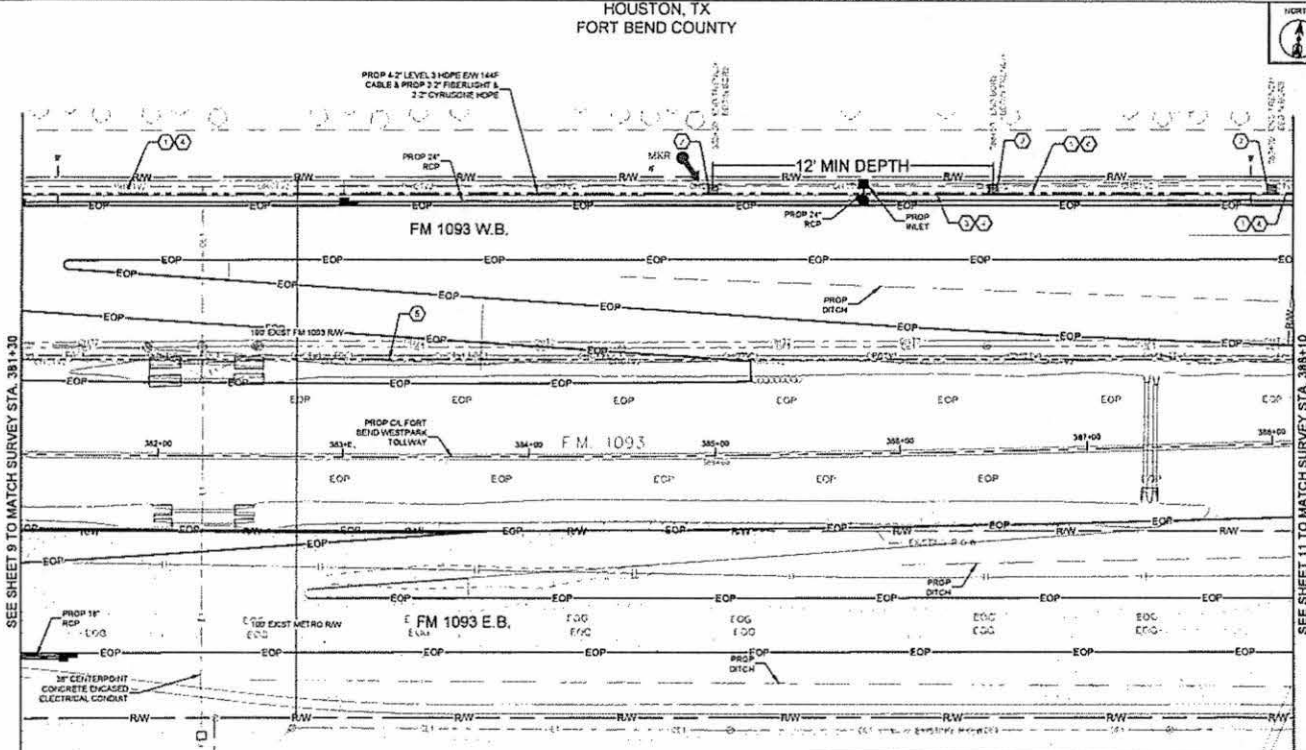


CONSTRUCTION NOTES

- 1 CONDUIT OVER LEVELS  
CONDUIT LENGTH 180'  
CONDUIT QTY: 8  
CONDUIT TYPE: HOPE  
NOTES: TRENCH 8'-2" HOPE
- 2 PROPOSED EXPOSED
- 3 CONDUIT OVER LEVELS  
CONDUIT LENGTH 180'  
CONDUIT QTY: 8  
CONDUIT TYPE: HOPE  
NOTES: BORE 8'-2" HOPE
- 4 CABLE P885: 144F  
CABLE OVER LEVELS  
CABLE LENGTH 180'
- 5 CABLE P885: 144F  
CABLE OVER LEVELS  
CABLE LENGTH 180'  
NOTES: REMOVE 144F CABLE

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

- 8'-2" HOPE CONFIGURATION
- 4'-2" LEVELS
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" FIBERGLASS
  - BLACK W/ RED STRIPE
  - 2" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE



Page Name: 01 - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT 8'-2" HOPE SDR 9	FT	680	
MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Name: 02 - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30950-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	320	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	520	
UGB-30900-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	100	
UGB-30900-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	680	
UGB-31640-S - EXCAVATE SMALL PIT @ 24X30'	EA	3	
UGB-31950-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31930-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,640	
UGB-30760-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,120	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



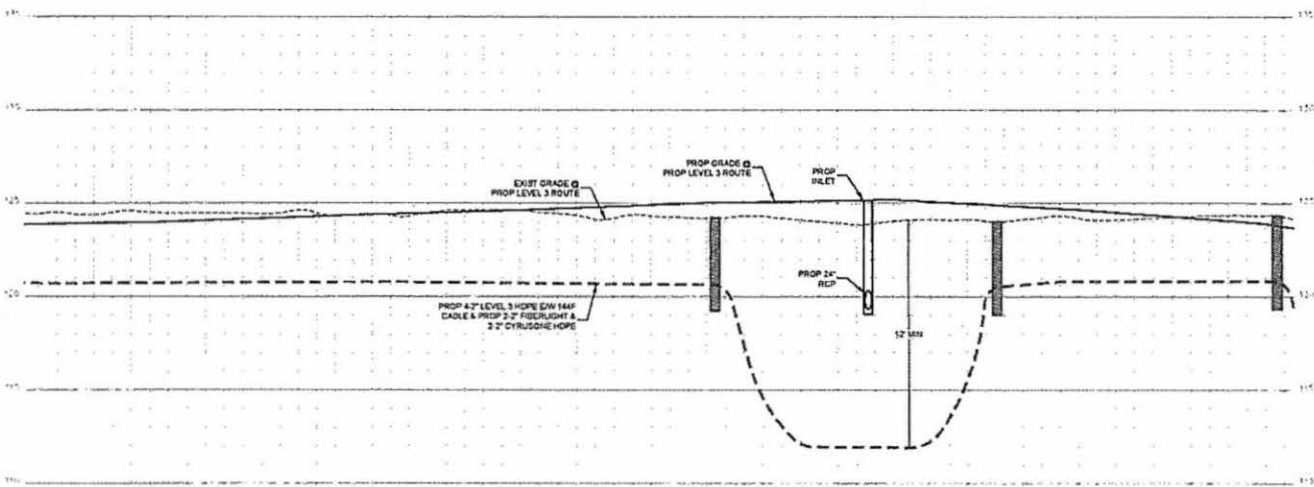
CALL BEFORE YOU DIG  
1-800-545-4000  
48 HOURS NOTICE REQUIRED

Level(3)  
REGISTERED PROFESSIONAL ENGINEER  
KATH HALL  
ENGINEERING FIRM  
5050 N. FIELD SERVICES  
PROJECT: JAMESON  
LOCATION: FM 1093 AT STEPAK  
EXTENSION, HOUSTON, TX  
DATE: 11/13/15  
SCALE: H&A 1"=50'  
SHEET 10 OF 31  
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY ALL HOPE CONFIGS AS NOTED BELOW
- 8-2" HOPE CONFIGURATION**
- 4" LEVEL(S)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
  - 2" FIBERLIGHT
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" CYRUSHOPE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

NO	DATE	ENG. REVISION
1		
2		
3		

**Level(3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KETH HALL

ENGINEERING FIRM  
COLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION FM 193 WESTPARK  
EXTENSION HOUSTON, TX

DRAWING SCALE

SCALE: VERT 1"=5'

SHEET 10A OF 31

CONFIDENTIAL/PROPRIETARY



UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

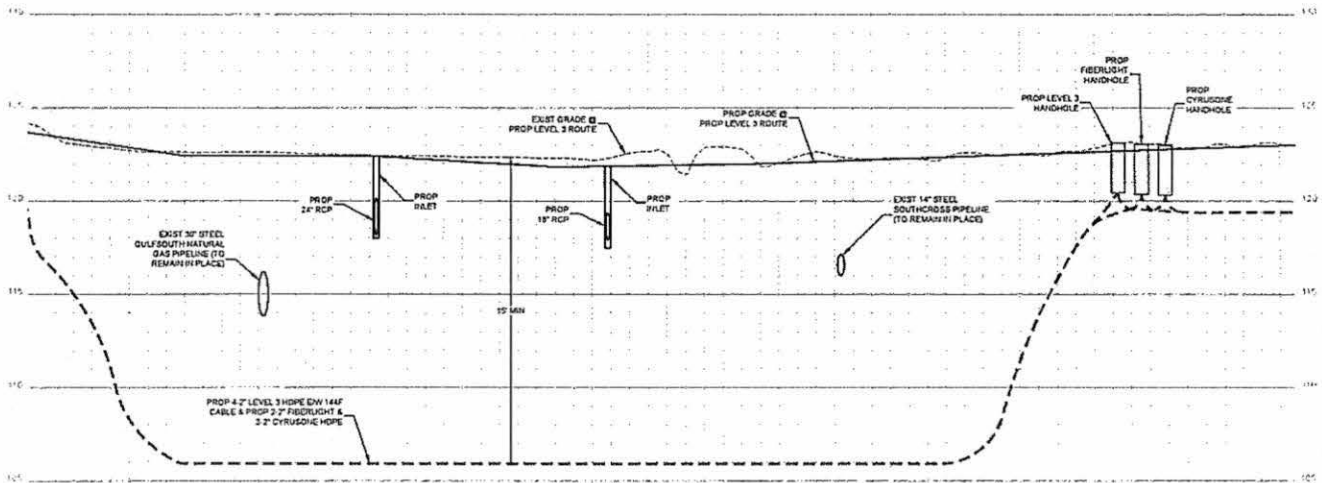
CALL BEFORE YOU DIG  
1-800-545-6025  
48 HOURS NOTICE REQUIRED



HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8" HOPE CONFIGURATION
- 4" (LEVELS)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
  - 2" FIBERGLASS
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" CYRUSOLIC
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GRAY STRIPE

NO	DATE	BY	REVISION
1			AS-BUILT
2			REVISION # 1
3			ORIGINAL
4			CONVEY

**Level(3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1003 WESTPARK  
EXTENSION - HOUSTON, TX  
DATE: 02/02/2016

SCALE: VERT 1"=2'

SHEET 11A OF 31

CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-4-A-DIG  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

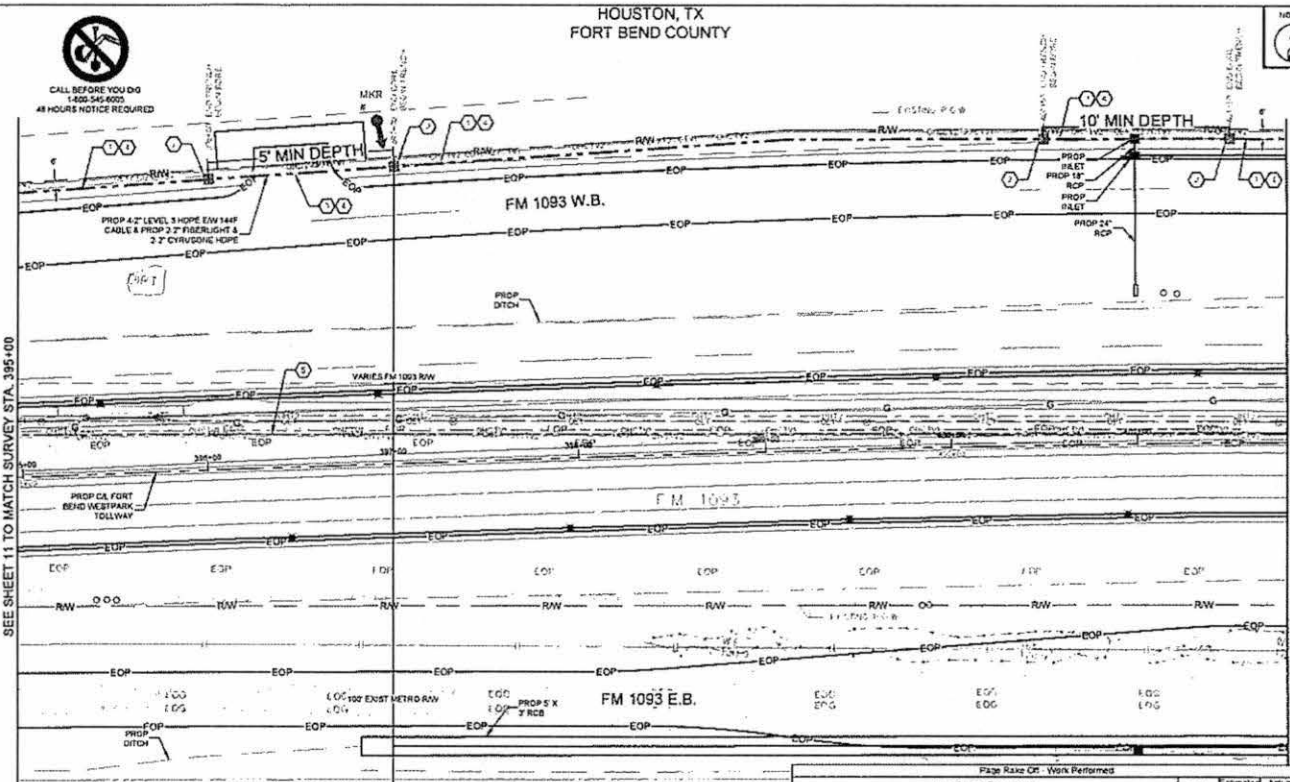


CONSTRUCTION NOTES

- 1 CONDUIT OTHER LEVELS  
CONDUIT LENGTH 450'  
CONDUIT CTS: 8  
CONDUIT SIZE: 8"  
CONDUIT TYPE: HDPE  
NOTES: TRENCH 8'-2" DEPTH
- 2 PROPOSED BORE
- 3 CONDUIT OTHER LEVELS  
CONDUIT LENGTH 250'  
CONDUIT CTS: 8  
CONDUIT SIZE: 8"  
CONDUIT TYPE: HDPE  
NOTES: BORE 8'-2" DEPTH
- 4 CABLE (BOTS): 114F  
CABLE OTHER LEVELS  
CABLE LENGTH 800'
- 5 CABLE (BOTS): 114F  
CABLE OTHER LEVELS  
CABLE LENGTH 800'  
NOTES: BORE 114F CABLE

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW.

- 8" HOPE CONFIGURATION
- 4" LEVEL(S)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
  - 3" FIBERGLASS
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 3" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE



SEE SHEET 11 TO MATCH SURVEY STA. 395+00

SEE SHEET 13 TO MATCH SURVEY STA. 401+80

Page Take Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-30150 - CONDUIT 8" 2" HOPE SDR 9	FT	600	
MAT-92200 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Take Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	450	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	450	
UGB-30890-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	200	
UGB-30900-S - PLACE UP TO 288 COUNTY FOG IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6" DIA	EA	4	
UGB-31060-S - REMOVE AND DISPOSE OF 1-114F CABLE	FT	650	
UGB-31930-S - PLACE LOCATE MARKER PDGT	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,350	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,400	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

**Level 3**  
ENGINEERS

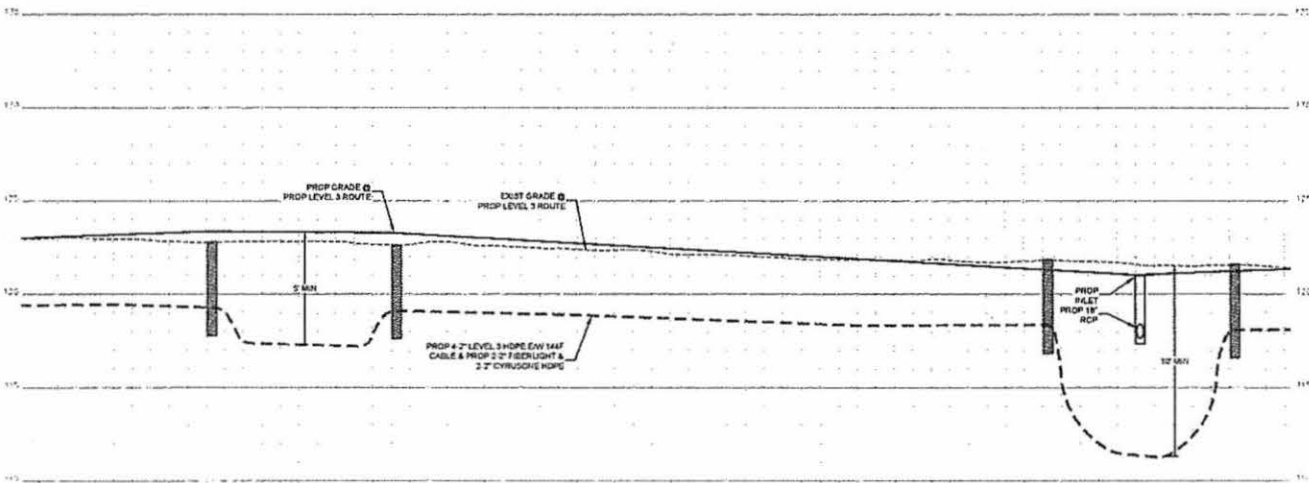
LEVEL 3 ENGINEER  
KETH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWN/TABLED

SCALE: HOR. 1"=50'  
SHEET 12 OF 31  
CONSENT/PROFESSIONAL

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8" HOPE CONFIGURATION
- 4" (LEVEL)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

1			
2			
3			
NO.	DATE	ENG. DESIGN	
AS-BUILT			
2-2-18		REVISION # 1	
EX-10-13		ISSUED	
DRAWING		COMMENT	

**Level(3)**  
#78802821893

LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FW 1201 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING TITLE

SCALE: VERT 1"=8'  
SHEET 12A OF 31  
CONFIDENTIAL/PROPRIETARY

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CALL BEFORE YOU DIG  
1-800-544-4000  
48-HOUR NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OVER LEVELS  
CONDUIT LENGTH 400'  
CONDUIT SIZE 8"  
CONDUIT TYPE 1"  
NOTES: REMARK 8-2" HOLE
- 2 PROPOSED BOREHOLE  
CONDUIT OVER LEVELS  
CONDUIT LENGTH 200'  
CONDUIT SIZE 8"  
CONDUIT TYPE 1"  
NOTES: REMARK 8-2" HOLE
- 3 CABLE TRENCH: 144"  
CABLE OVER LEVELS  
CABLE LENGTH 400'
- 4 CABLE TRENCH: 144"  
CABLE OVER LEVELS  
CABLE LENGTH 400'  
NOTES: REMARK 144" CABLE

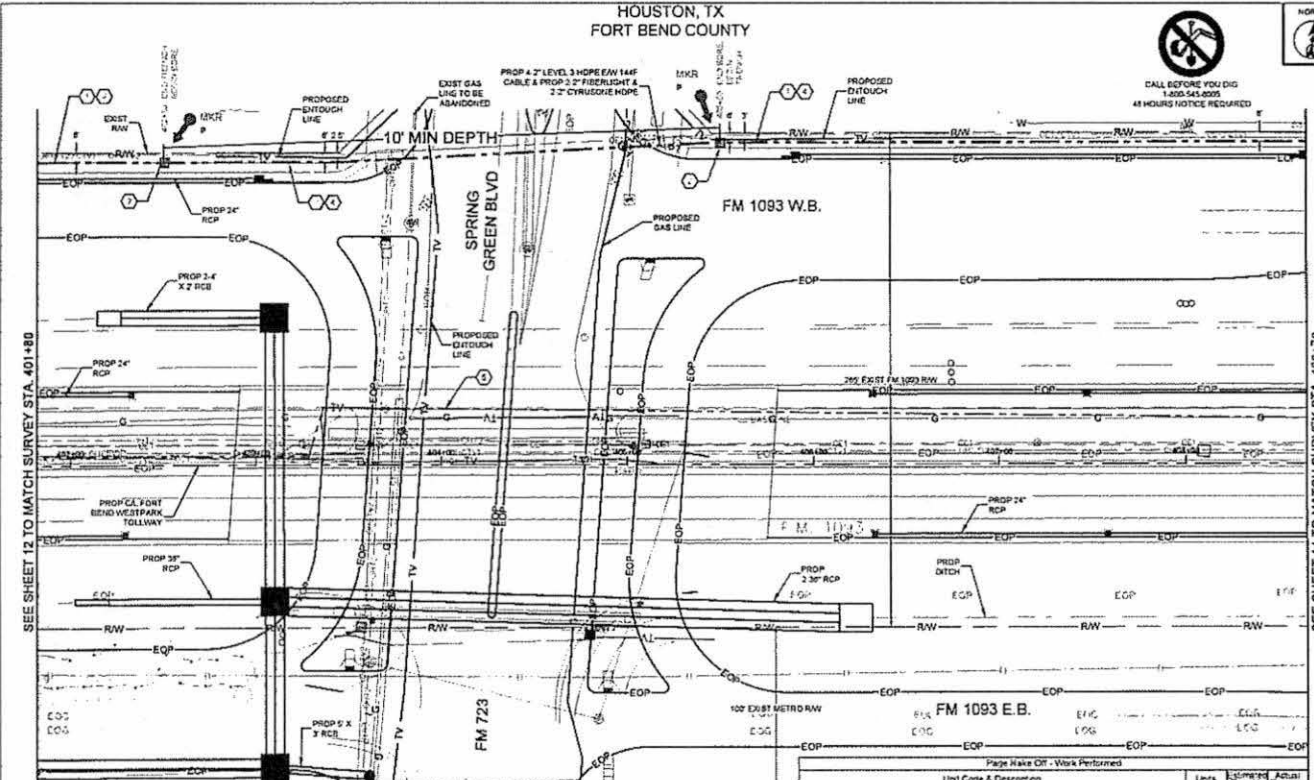
CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

- 8" HOPE CONFIGURATION
- 4" (LEVELS)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
  - 2" FIBERLIGHT
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" CYRUSCOPE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

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Level(3)  
REGISTERED  
LEVEL 3 ENGINEER  
WESTPARK  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING DATE

SCALE: HORIZ 1"=50'  
SHEET 13 OF 31  
CONFIDENTIAL/PROPRIETARY



SEE SHEET 12 TO MATCH SURVEY STA. 401+80

SEE SHEET 14 TO MATCH SURVEY STA. 408+70

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00100 - CONDUIT 8" HOPE GDR 8	FT	600	
MAT-00200 - WARNING TAGS AND/OR MARKERS	EA	2	

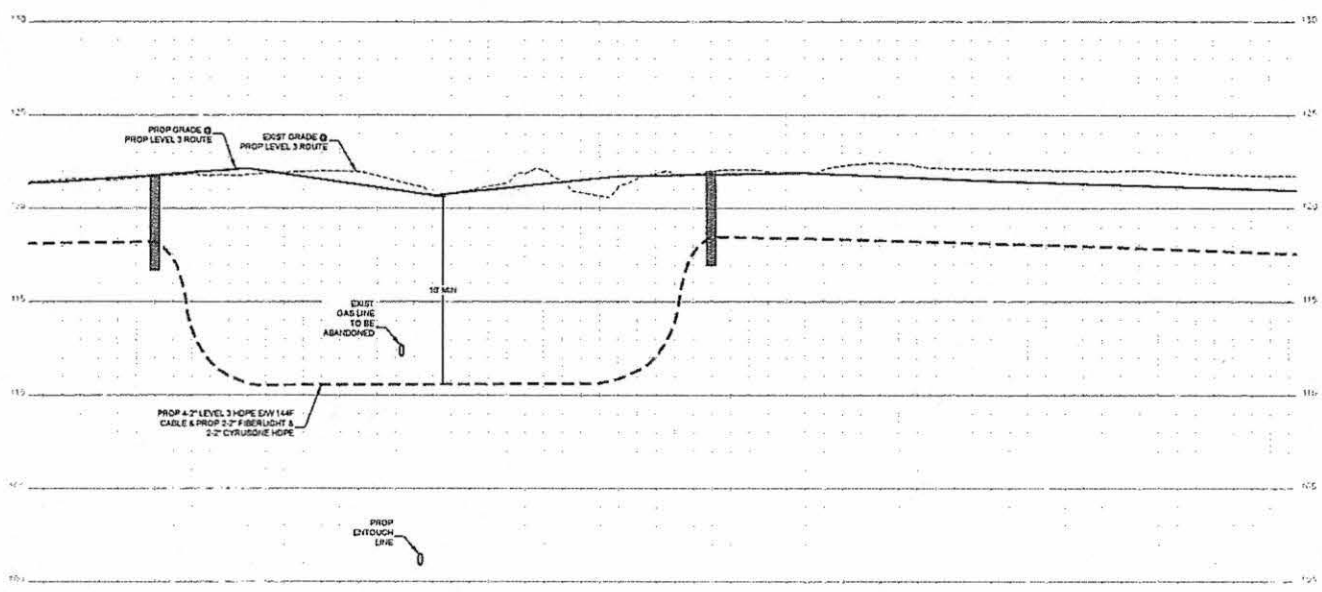
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-5 - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	400	
UGB-30140-5 - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	400	
UGB-30050-6 - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	200	
UGB-30050-5 - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-31840-5 - EXCAVATE SMALL PIT 6"X6"	EA	2	
UGB-31000-5 - REMOVE AND DISPOSE OF 1 144" CABLE	FT	600	
UGB-31000-6 - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-5 - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,430	
UGB-30700-5 - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,400	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW.
- 6\"/>
  - 4\"/>
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2\"/>
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2\"/>
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE

NO.	DATE	BY THE DESIGN	AS-BUILT
1			
2			
3			

**Level(3)**  
CORPORATION

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER  
EXTENSION - HOUSTON, TX

DRAWING NUMBER

SCALE: VERT 1"=4'

SHEET 13A OF 31

CONFIDENTIAL/PROPRIETARY

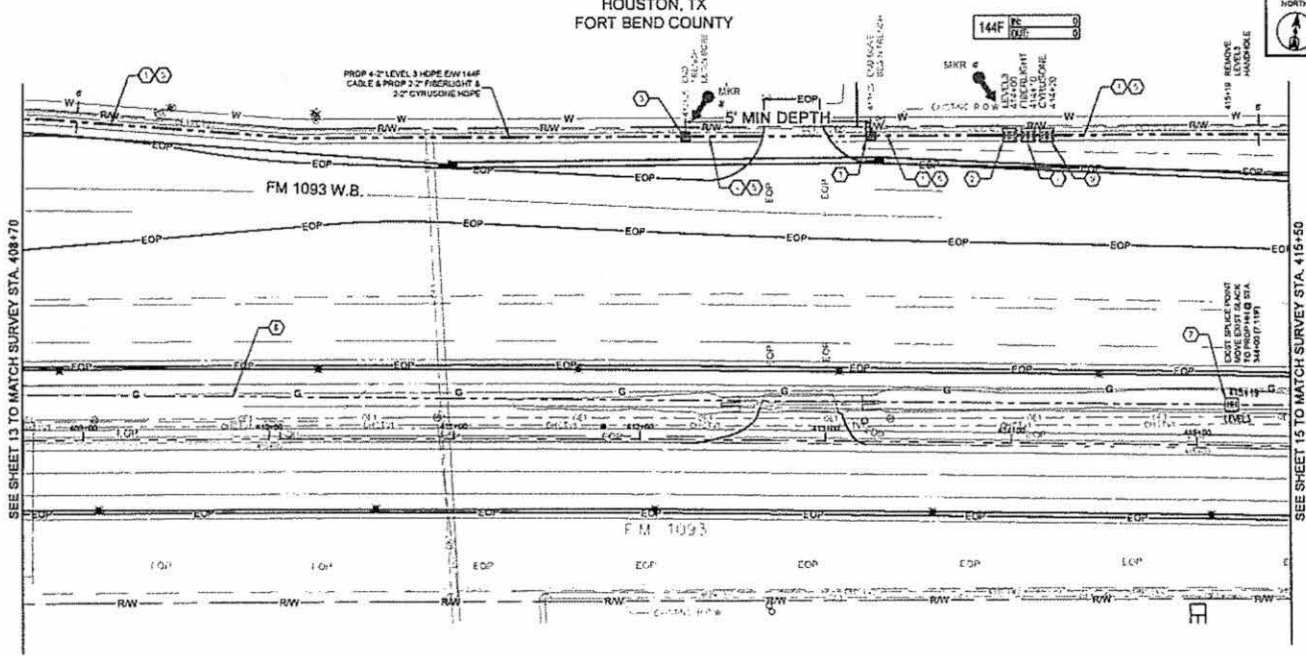
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-541-4205  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY

144F  
RE  
DATE



- CONSTRUCTION NOTES**
- 1) CONDUIT OWNER LEVELS  
CONDUIT LOCUS 507  
CONDUIT LOCUS 8  
CONDUIT LOCUS 107  
CONDUIT TYPE: 107  
NOTE: WIDTH 3'-2" HDPE
  - 2) LEVELS IN WHOLE  
CONDUIT 1-144E IN WH  
PROPOSED BOREHOLE
  - 3) CONDUIT OWNER LEVELS  
CONDUIT LOCUS 107  
CONDUIT LOCUS 8  
CONDUIT TYPE: 107  
NOTE: BORE 3'-2" HDPE
  - 4) CABLE FRIDS: 144F  
CABLE OWNER LEVELS  
CABLE LOCUS 787
  - 5) CABLE FRIDS: 144F  
CABLE OWNER LEVELS  
CABLE LOCUS 787  
NOTE: REMOVE 144F CABLE  
REPOSITION BLACK (1119)
  - 6) LEVELS IN WHOLE  
FRANKS IN WHOLE
  - 7) TROUBLE IN WHOLE
  - 8) CHASER IN WHOLE

**CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

**6" HOPE CONFIGURATION:**

- 4" LEVELS
- BLACK W/ PURPLE STRIPE
- BLACK W/ ORANGE STRIPE
- BLACK W/ GREEN STRIPE
- BLACK W/ BROWN STRIPE

**2" FIBERGLASS:**

- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 2" CYAN/BLUE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

SEE SHEET 13 TO MATCH SURVEY STA. 408+70

SEE SHEET 15 TO MATCH SURVEY STA. 415+50

Page Have Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 6" HOPE EDR 9	FT	650	
MAT-00370 - TIER 15 30"x48"x30" WITH KNOCK-OUTS AND RACKING - ROLLING COVER	EA	3	
MAT-02000 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Have Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	580	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	260	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	100	
UGB-30950-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COL)	FT	750	
UGB-31270-S - PLACE NEW 30"x48"x30" NON-CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT 6'x4'x3'	EA	2	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31350-S - REMOVE EXISTING 30"x48"x30" NON-CONCRETE HANDHOLE	EA	1	
UGB-31920-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4 650	
UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	700	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-6002  
48 HOURS NOTICE REQUIRED

**Level(3)**  
LEVEL 3 ENGINEER  
SETH HALL  
AS-BUILT  
7-2-18  
11-18-18  
DESIGN  
CONDUIT

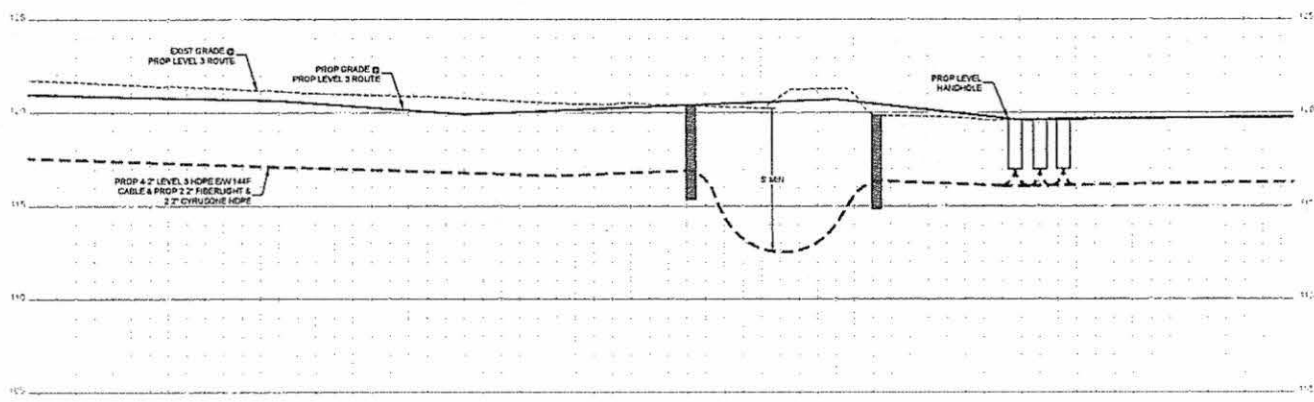
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER:  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON TX  
DRAWING DATE:

SCALE: 1/8" = 1'-0"  
SHEET 14 OF 31  
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW.
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2-2-18		REVISION # 1
11-15-15		ORIGINAL
SAUTING		CONTRACT

**Level(3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FELD ENGINEER  
PROJECT NUMBER

LOCATION: FM 1031 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING NUMBER

SCALE: VERT 1"=1'

SHEET 14A OF 31

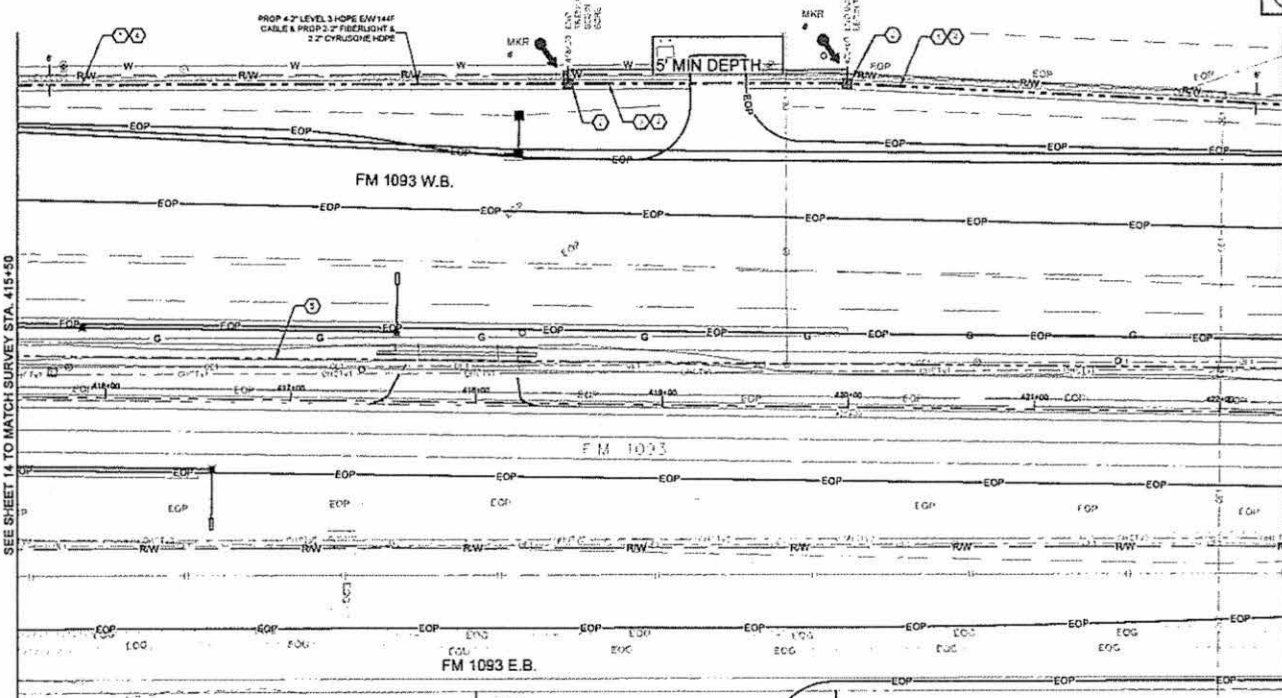
CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

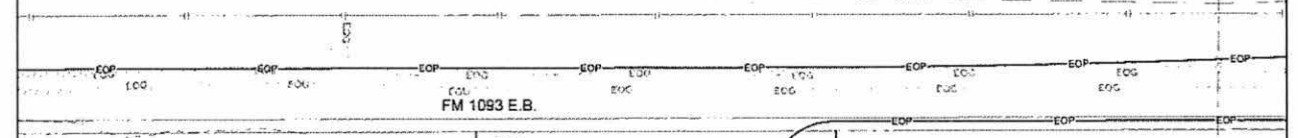
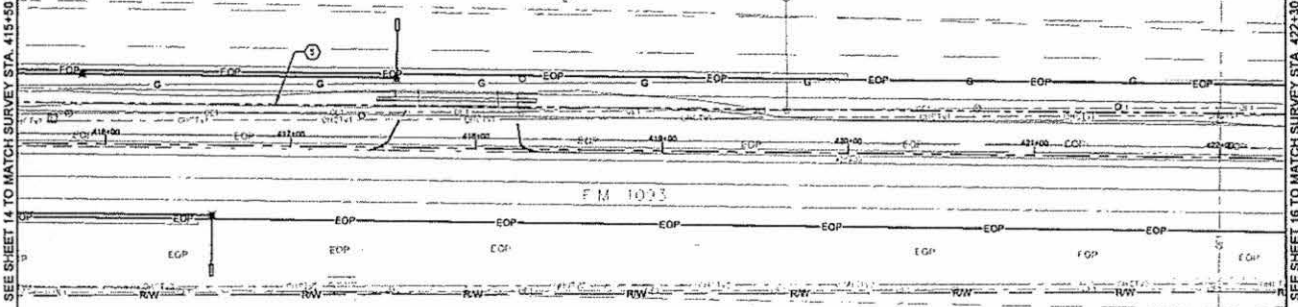


CALL BEFORE YOU DIG  
1-800-541-4000  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
- CONDUIT OVER LEVELS  
CONDUIT LENGTH 550'  
CONDUIT SIZE 8"  
CONDUIT TYPE HOPE  
NOTES: TRENCH 8'-0" DEPTH  
PROPOSED BOREHOLE
  - CONDUIT OVER LEVELS  
CONDUIT LENGTH 150'  
CONDUIT SIZE 8"  
CONDUIT TYPE HOPE  
NOTES: BORE 8'-0" DEPTH
  - CABLE PEGS: 144F  
CABLE OVER LEVELS  
CABLE LENGTH 600'
  - CABLE FIBERS: 144F  
CABLE OVER LEVELS  
CABLE LENGTH 600'  
NOTES: REMOVE 144F CABLE



SEE SHEET 14 TO MATCH SURVEY STA. 419+50  
SEE SHEET 16 TO MATCH SURVEY STA. 422+30

Page Name Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-30150 - CONDUIT 8" HOPE SDR-9	FT	650	
MAT-30200 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Name DR - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGD-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	530	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2'	FT	530	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2'	FT	150	
UGB-30020-S - PLACE UP TO 258 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31950-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31950-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2'	FT	3,710	
UGD-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2'	FT	1,050	

- CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW
- 8" HOPE CONFIGURATION
- 4" LEVEL(S)
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 1/2" FIBERLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" CYRUSLOVE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

**Level(3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX

DATE: 07/2018

SCALE: HOR: V=50'

SHEET 15 OF 31

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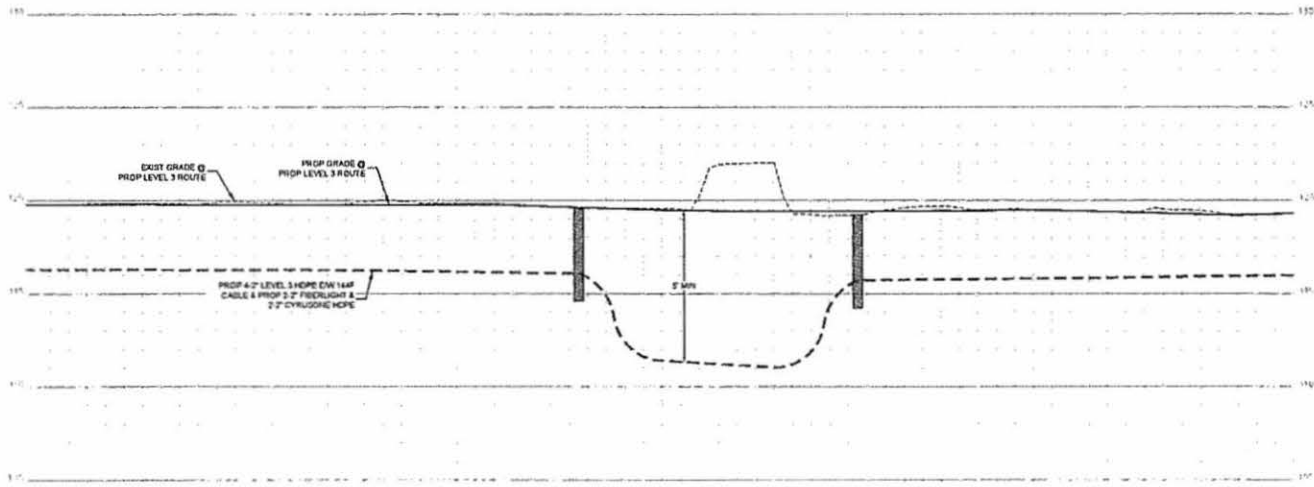
CALL 800 ONE YOU DO  
1-800-545-6000  
48 HOUR NOTICE REQUIRED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 42" LEVELING  
 BLACK W/ PURPLE STRIPE  
 BLACK W/ ORANGE STRIPE  
 BLACK W/ GREEN STRIPE  
 BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT  
 BLACK W/ RED STRIPE  
 BLACK W/ BLUE STRIPE  
 3" CYRUSHOPE  
 BLACK W/ WHITE STRIPE  
 BLACK W/ GREY STRIPE

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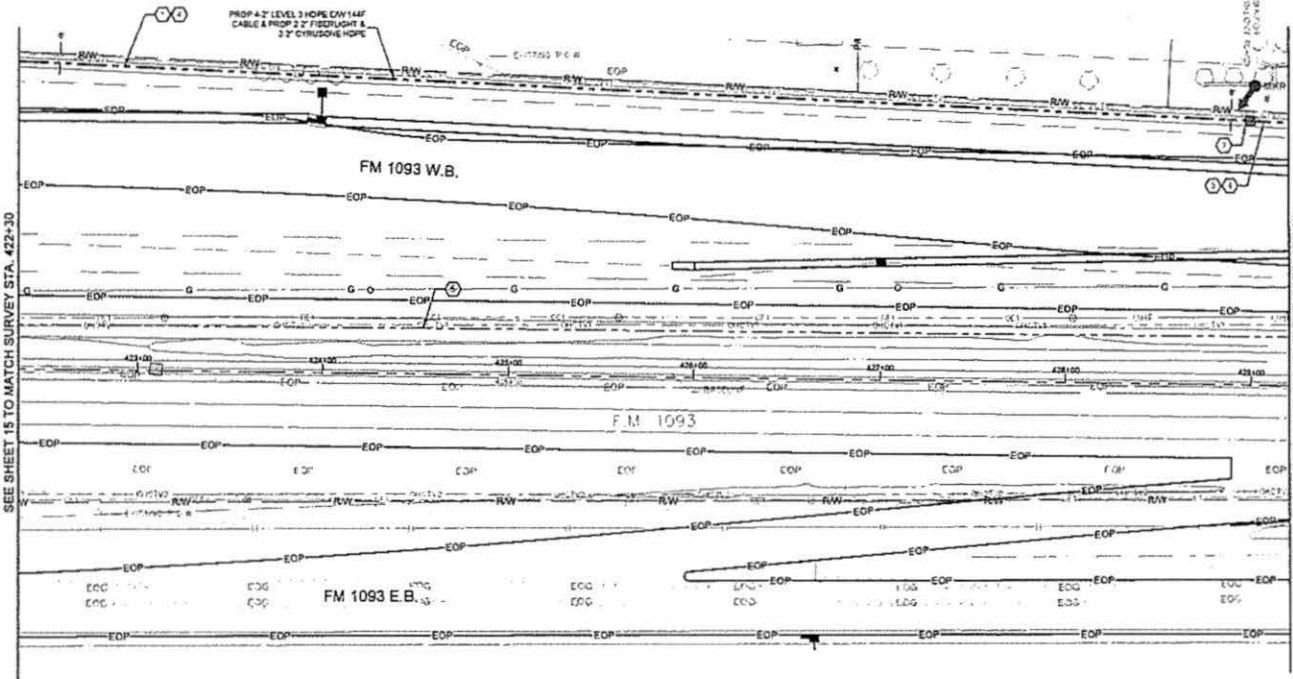
**Level(3)**  
 LEVEL 3 ENGINEER  
 10211 HALL  
 HOUSTON, TX 77036  
 ENGINEERING FIRM  
 GOLDEN FIELD SERVICES  
 PROJECT NUMBER  
 LOCATION FM 103 STREET PARK  
 EXTENSION - HOUSTON, TX  
 DRAWING NUMBER  
 SHEET 15A OF 31  
 CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
 1-800-545-6000  
 48 HOUR NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
1. CONDUIT OWNER LEVELS  
CONDUIT LENGTH 50'  
CONDUIT STD. 8  
CONDUIT SIZE 2"  
CONDUIT TYPE: HDPE  
NOTE: SLOPE 8-2" HOPE
  2. PROPOSED BORE
  3. CONDUIT OWNER LEVELS  
CONDUIT LENGTH 50'  
CONDUIT STD. 8  
CONDUIT SIZE 2"  
CONDUIT TYPE: HDPE  
NOTE: SLOPE 8-2" HOPE
  4. CABLE FEEDS: 144F  
CABLE OWNER: LEVELS  
CABLE LENGTH: 50'
  5. CABLE FEEDS: 144F  
CABLE OWNER: LEVELS  
CABLE LENGTH: 50'  
NOTE: REMOVE 144F CABLE

SEE SHEET 15 TO MATCH SURVEY STA. 422+30

SEE SHEET 17 TO MATCH SURVEY STA. 429+20

Page Rate Of Materials			
UM Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT 8-2" HDPE SDR 9	FT	670	
MAT-90200 - WARNING TAGS AND/OR MARKERS	EA	1	

Work Item Or - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30550-5 - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	670	
UGB-30140-5 - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	670	
UGB-30500-5 - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	20	
UGB-30560-5 - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	670	
UGB-31640-5 - EXCAVATE SMALL PIT 2'x4'x2'	EA	1	
UGB-31000-5 - REMOVE AND DISPOSE OF 1-144F CABLE	FT	670	
UGB-31990-5 - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-5 - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,630	
UGB-30700-5 - DR BORE GREATER THAN 1500' ADDITIONAL HOPE UP TO 2"	FT	140	



CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

- CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW
- 8-2" HOPE CONFIGURATION**
- 40" LEVELS
  - BLACK/PURPLE STRIPE
  - BLACK/WHITE STRIPE
  - BLACK/GRANITE STRIPE
  - BLACK/RED STRIPE
  - BLACK/BLUE STRIPE
  - BLACK/RED/WHITE STRIPE
  - BLACK/WHITE STRIPE
  - BLACK/RED STRIPE
  - BLACK/BLUE STRIPE

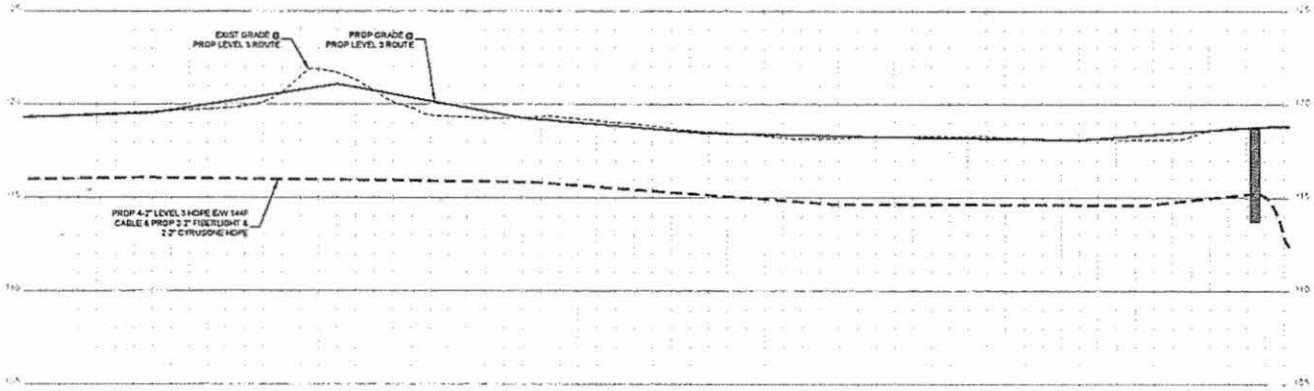
NO.	DATE	REV. REASON
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**Level 3**  
REGISTERED  
LEVEL 3 ENGINEER  
10311 HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER:  
LOCATION: FM 1093/STPARK  
EXTENSION - HOUSTON, TX  
DRAWING DATE:  
SCALE: HON. TYP.  
SHEET 18 OF 31  
LDG CONSULT/PROFESSIONARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR MUST  
CONTRACTOR MUST SUPPLY  
ALL HOPE COMMENTS AS  
NOTED BELOW
- 5" HOPE CONFIGURATION
- 4" LEVEL(S)
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
- 2" CYRUSDIE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

NO.	DATE	REV. DESCR.
1		
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**Level(3)**  
ENGINEERING

LEVEL 3 ENGINEER  
KATHARINE  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 101 WESTPARK  
EXTENSION - HOUSTON, TX  
UNAPPROVED

SCALE: VERT 1"=8'  
SHEET 16A OF 31  
CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND  
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S  
RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND  
UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL  
DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR

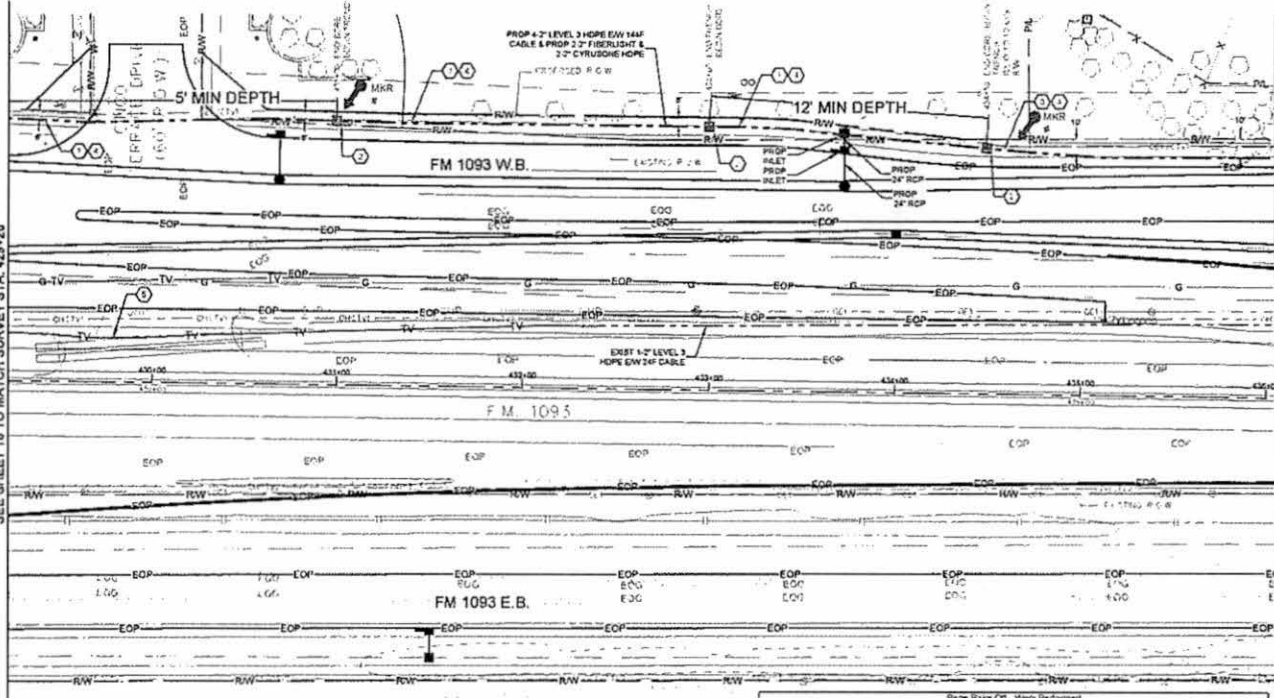


CALL BEFORE YOU DIG  
1-800-4-A-DIG  
48 HOUR NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
1. CONDUIT OWNER LEVELS  
CONDUIT LENGTH 300'  
CONDUIT CTS 8  
CONDUIT SIZE 2"  
CONDUIT TYPE: HDPE  
NOTES: REMOVE 8-2" HOPE
  2. PROPOSED BORING
  3. CONDUIT OWNER LEVELS  
CONDUIT LENGTH 300'  
CONDUIT CTS 8  
CONDUIT SIZE 2"  
CONDUIT TYPE: HDPE  
NOTES: REMOVE 8-2" HOPE
  4. CABLE PEGS: 1/4" DIA  
CABLE OWNER LEVELS  
CABLE LENGTH 300'
  5. CABLE PEGS: 1/4" DIA  
CABLE OWNER LEVELS  
CABLE LENGTH 300'  
NOTES: REMOVE 1/4" CABLE



SEE SHEET 16 TO MATCH SURVEY STA. 429+20

SEE SHEET 18 TO MATCH SURVEY STA. 436+10

- CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW
- 8" HOPE CONFIGURATION
    - 4" LEVELS
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2" FIBERGLIGHT
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2" CYRUSONE
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE



CALL BEFORE YOU DIG  
1-800-4-A-DIG  
48 HOURS NOTICE REQUIRED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

Page Name: CR - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8" HOPE ZDR 9	FT	650	
MAT-80200 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Name: CR - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-5 - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	300	
UGB-30140-5 - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	300	
UGB-30030-5 - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	330	
UGB-30050-5 - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	630	
UGB-31640-5 - EXCAVATE SMALL PIT 6"X30"	EA	3	
UGB-31090-5 - REMOVE AND DISPOSE OF 1-1/4" CABLE	FT	600	
UGB-31950-5 - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-5 - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2520	
UGB-30700-5 - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2310	

**Level(3)**  
CORPORATION

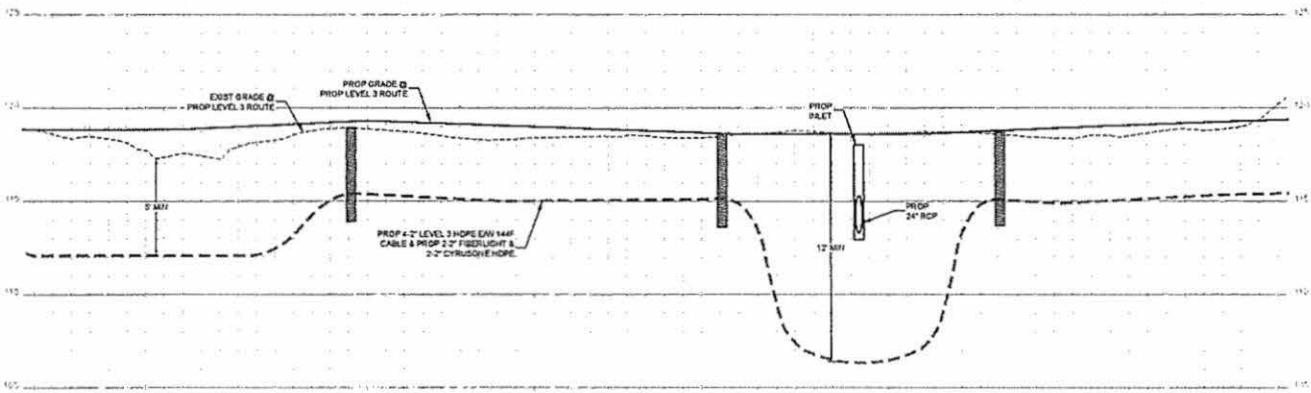
LEVEL 3 ENGINEER  
JOSH HALL  
ENGINEER IN CHARGE  
GOLDEN FIELD SERVICES  
PROJECT NUMBER:  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING TITLE:

SCALE: HON 1/4"=1'-0"  
SHEET 17 OF 31  
COPY CONTROL PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE COMPONENTS AS  
NOTED BELOW
- 6" HOPE CONFIGURATION
- 4" LEVELS)
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2" FIBERLIGHT
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2" FIBERGLASS
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE

NO.	DATE	BY	REVISION
1			AS-BUILT
2	2-7-18		REVISION # 1
3	11-13-18		ORIGINAL
4			CONTRACT

**Level(3)**  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER:  
LOCATION: 7410 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING NUMBER:

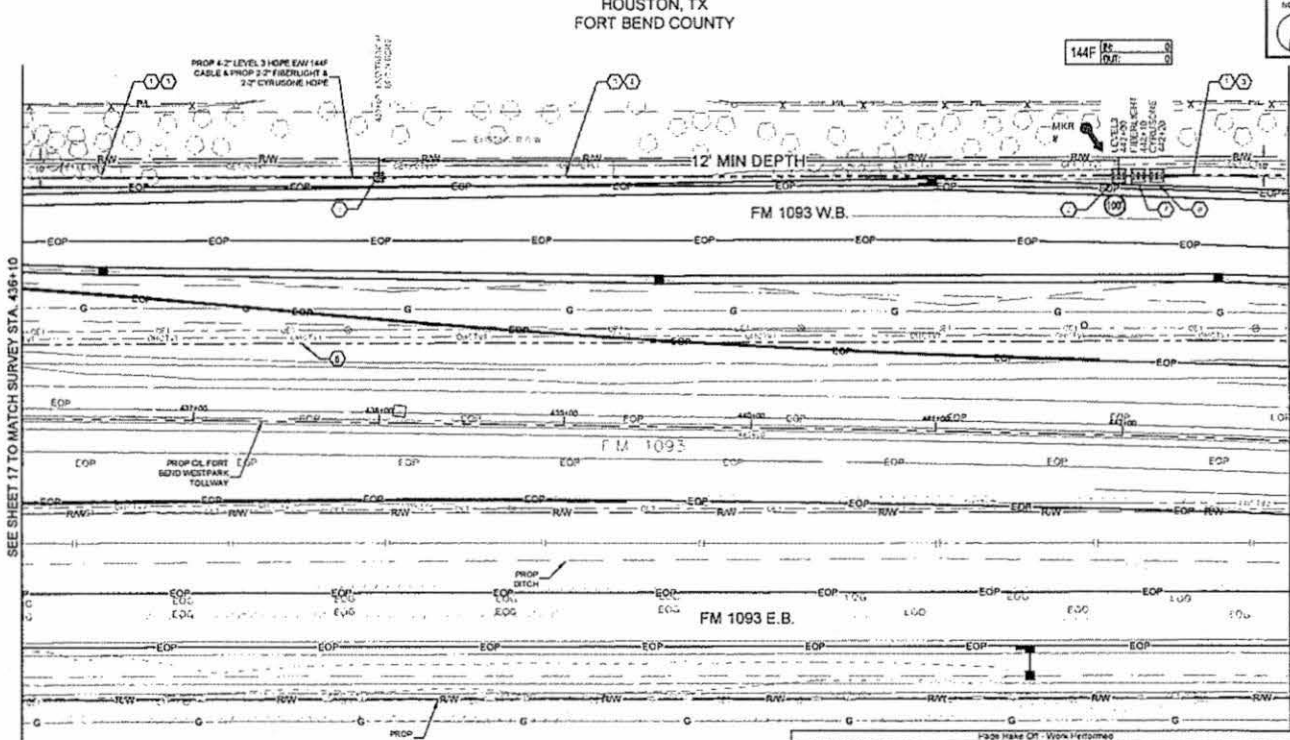
SCALE: VERT 1"=4'  
SHEET 17A OF 31  
CONTRACTOR/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND  
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S  
RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND  
UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL  
DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR



CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

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- CONSTRUCTION NOTE  
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- 4.2\"/>
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
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  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
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  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

SEE SHEET 17 TO MATCH SURVEY STA. 436+10

SEE SHEET 19 TO MATCH SURVEY STA. 442+30

Page Make Off - Mainline

Unit Code & Description	Units	Estimated Quantity	Actual Quantity		
MAT-90150 - CONDUIT 6\"/> <tr> <td>MAT-90570 - TIER 15 30\"/&gt; <tr> <td>MAT-92000 - WARNING TAGS AND/OR MARKERS</td> <td>EA</td> <td>1</td> <td></td> </tr> </td></tr>	MAT-90570 - TIER 15 30\"/> <tr> <td>MAT-92000 - WARNING TAGS AND/OR MARKERS</td> <td>EA</td> <td>1</td> <td></td> </tr>	MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	1	
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MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	1			

Page Make Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity															
UGB-30350-S - TRENCH GREATER THAN 1500' TRENCH 48\"/> <tr> <td>UGB-30140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2\"/&gt; <tr> <td>UGD-30030-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2\"/&gt; <tr> <td>UGB-30550-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COIL)</td> <td>EA</td> <td>780</td> <td></td> </tr> <tr> <td>UGD-31270-S - PLACE NEW 30\"/&gt; <tr> <td>UGD-31640-S - EXCAVATE SMALL PIT 6\"/&gt; <tr> <td>UGB-31550-S - REMOVE AND DISPOSE OF 1-144F CABLE</td> <td>EA</td> <td>660</td> <td></td> </tr> <tr> <td>UGB-31920-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>1</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/&gt; <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	UGB-30140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2\"/> <tr> <td>UGD-30030-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2\"/&gt; <tr> <td>UGB-30550-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COIL)</td> <td>EA</td> <td>780</td> <td></td> </tr> <tr> <td>UGD-31270-S - PLACE NEW 30\"/&gt; <tr> <td>UGD-31640-S - EXCAVATE SMALL PIT 6\"/&gt; <tr> <td>UGB-31550-S - REMOVE AND DISPOSE OF 1-144F CABLE</td> <td>EA</td> <td>660</td> <td></td> </tr> <tr> <td>UGB-31920-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>1</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/&gt; <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr>	UGD-30030-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2\"/> <tr> <td>UGB-30550-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COIL)</td> <td>EA</td> <td>780</td> <td></td> </tr> <tr> <td>UGD-31270-S - PLACE NEW 30\"/&gt; <tr> <td>UGD-31640-S - EXCAVATE SMALL PIT 6\"/&gt; <tr> <td>UGB-31550-S - REMOVE AND DISPOSE OF 1-144F CABLE</td> <td>EA</td> <td>660</td> <td></td> </tr> <tr> <td>UGB-31920-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>1</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/&gt; <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/&gt; </td></tr></td></tr></td></tr></td></tr>	UGB-30550-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COIL)	EA	780		UGD-31270-S - PLACE NEW 30\"/> <tr> <td>UGD-31640-S - EXCAVATE SMALL PIT 6\"/&gt; <tr> <td>UGB-31550-S - REMOVE AND DISPOSE OF 1-144F CABLE</td> <td>EA</td> <td>660</td> <td></td> </tr> <tr> <td>UGB-31920-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>1</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/&gt; <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/&gt; </td></tr></td></tr></td></tr>	UGD-31640-S - EXCAVATE SMALL PIT 6\"/> <tr> <td>UGB-31550-S - REMOVE AND DISPOSE OF 1-144F CABLE</td> <td>EA</td> <td>660</td> <td></td> </tr> <tr> <td>UGB-31920-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>1</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/&gt; <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/&gt; </td></tr></td></tr>	UGB-31550-S - REMOVE AND DISPOSE OF 1-144F CABLE	EA	660		UGB-31920-S - PLACE LOCATE MARKER POST	EA	1		UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/> <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/&gt; </td></tr>	UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/>
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UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-5009  
48 HOURS NOTICE REQUIRED

**Level (3)**  
CONSTRUCTION

LEVEL 3 ENGINEER  
KATH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING NUMBER

SCALE: HORIZ 1\"/>

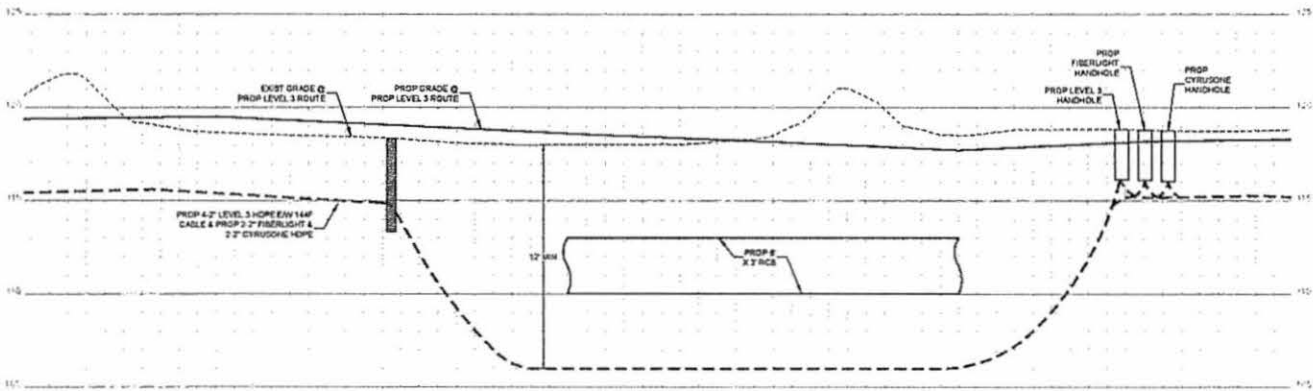
SHEET 18 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOME COORDINATES AS  
NOTED BELOW
- 6.2" HOME CONFIGURATION
- 4.2" LEVEL(S):
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2.2" FIBERLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
- 0.2" CYRUSONE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

1		
2		
3		
4		
NO.	DATE	BY DESIGN
1		AS-BUILT
2	11-13-18	REVISION # 1
3	11-13-18	ORIGINAL
DATE		CONTRACT

**Level(3)**  
ENGINEERING

LEVEL 3 ENGINEER  
METHUEN

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FU 1031 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING DATE

SCALE: VERT 1"=8'

SHEET 18A OF 31

CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



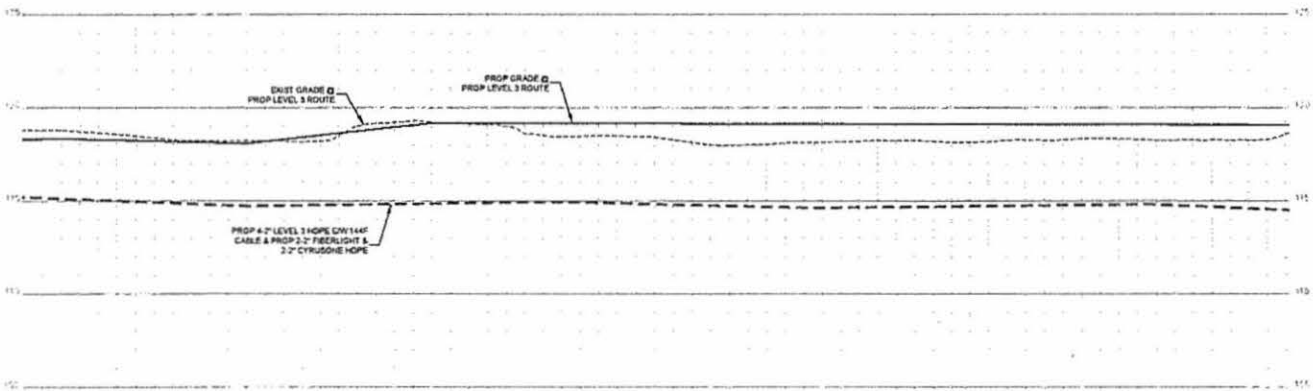
CALL BEFORE YOU DIG  
1.800.545.6000  
48 HOURS NOTICE REQUIRED



HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 6" HOPE CONFIGURATION
- 4" LEVEL(S)
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2" FIBERLIGHT
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2" CYRUSONE
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GRAY STRIPE

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**Level(3)**  
REGISTERED

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER  
LOCATION: FM 101 WESTPARK  
EXTENSION - HOUSTON, TX

DATE: 11/15/18

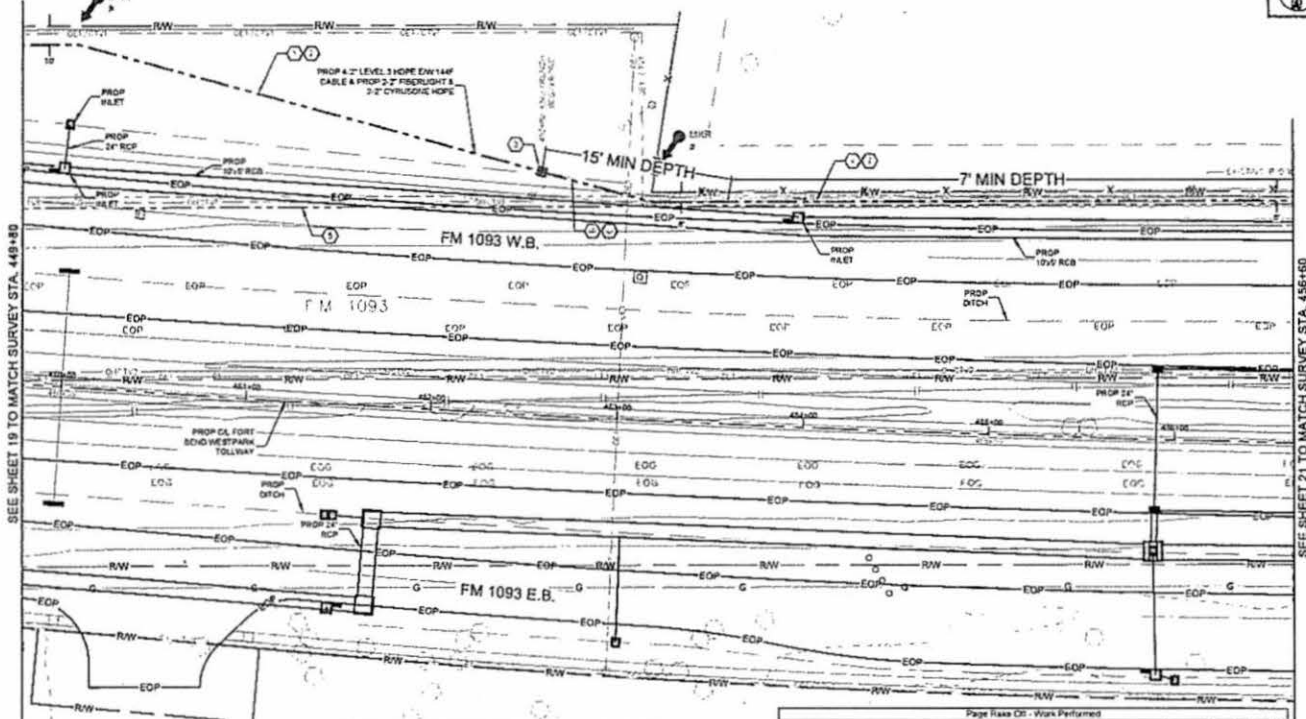
SCALE: VERT 1"=8'  
SHEET: 10A.DP.31  
CDD/CE/AL/RS/SP/CT/RY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
- CONDUIT OWNER LEVELS  
CONDUIT LOCATIONS  
CONDUIT SIZE &  
CONDUIT TYPE  
NOTES: TRENCH 8-2\"/>
  - CABLE PROCS 1-144\"/>
  - PROPOSED BOREHOLE
  - CONDUIT OWNER LEVELS  
CONDUIT LOCATIONS  
CONDUIT SIZE &  
CONDUIT TYPE  
NOTES: BORE 8-2\"/>
  - CABLE PROCS 1-144\"/>

SEE SHEET 19 TO MATCH SURVEY STA. 448+80

SEE SHEET 21 TO MATCH SURVEY STA. 456+60

Page Make Off - Materials

Unit Code & Description	UNITS	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2\"/>			
MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Make Off - Work Performed

Unit Code & Description	UNITS	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48\"/>			
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2\"/>			
UGB-30090-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2\"/>			
UGB-30090-S - PLACE UP TO 285 COUNT FOC IN CONDUIT UP TO 1500'"/>			
UGB-31040-S - EXCAVATE SMALL PIT 5'X3'X2'	EA	1	
UGB-31090-S - REMOVE AND DISPOSE OF 1-144\"/>			
UGB-31090-S - PLACE LOCATE MARKER POST	EA	2	
UGB-31150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/>			
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/>			

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



- CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW
- 8-2\"/>

- 4-2\"/>
- BLACK W/ PURPLE STRIPE
- BLACK W/ ORANGE STRIPE
- BLACK W/ GREEN STRIPE
- BLACK W/ BROWN STRIPE
- 2\"/>
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- BLACK W/ BLUE STRIPE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

**Level 3**  
ENGINEERS

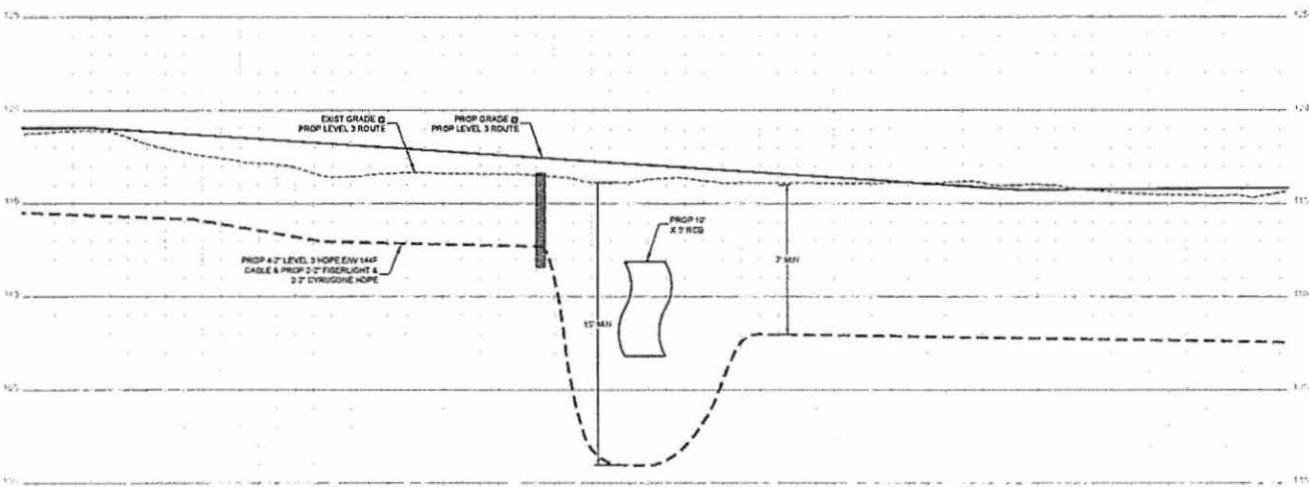
LEVEL 3 ENGINEER  
JETH HILL  
ENGINEERING FIRM  
GOLDER FIELD SERVICES  
PROJECT ADDRESS  
LOCATION: 18105 WESTPARK  
EXTENSION, HOUSTON, TX  
DIRECTION: [Symbol]

SCALE: HORIZ 1\"/>

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
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**Level(3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KEITH HILL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 10338 STEEPARK  
EXTENSION - HOUSTON, TX  
DRAWING NAME

SCALE: VERT 1"=8'  
SHEET 30A OF 31  
CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND  
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S  
RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND  
UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL  
DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



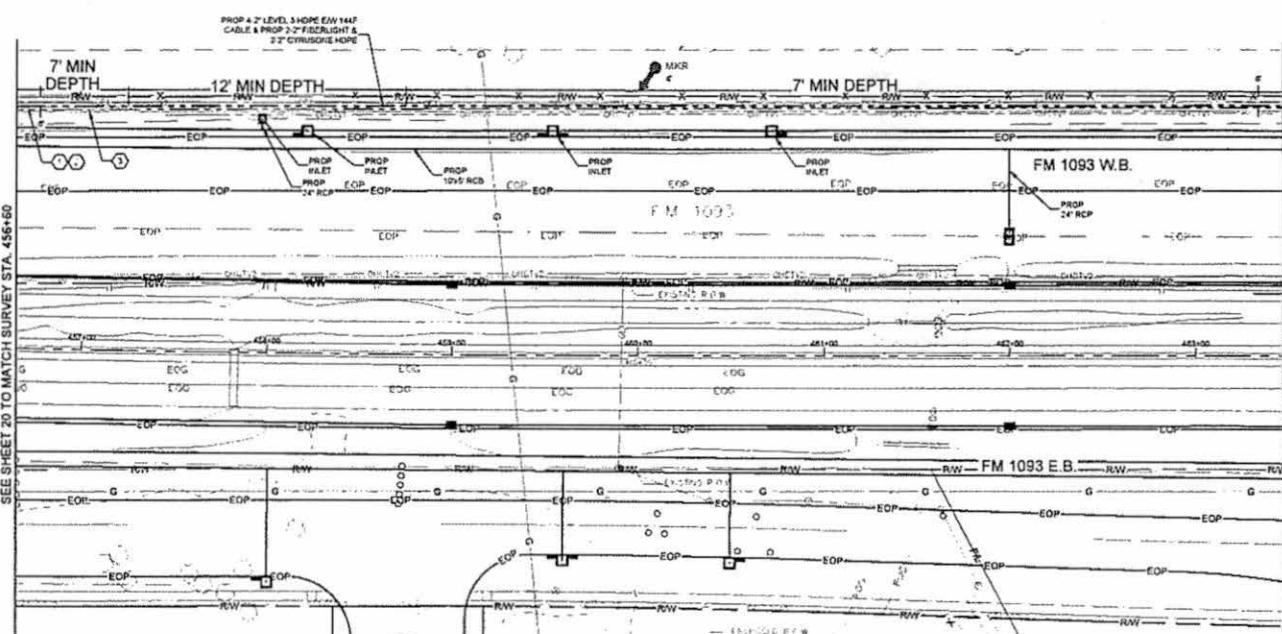
CALL BEFORE YOU DIG  
1-800-545-6225  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CABLE OWNER LEVELS  
CONDUIT UNDER R/W  
CONDUIT OFF 8  
CONDUIT SEE 7  
CONDUIT THIS KEY  
NOTE: BORE 8-3" HOPE
2. CABLE BORES: 114F  
CABLE OWNER LEVELS  
CABLE UNDER R/W  
NOTE: BORE 8-3" HOPE
3. CABLE BORES: 114F  
CABLE OWNER LEVELS  
CABLE UNDER R/W  
NOTE: BORE 8-3" HOPE



SEE SHEET 20 TO MATCH SURVEY STA. 456+60

SEE SHEET 22 TO MATCH SURVEY STA. 463+80



CALL BEFORE YOU DIG  
1-800-542-8000  
48 HOURS NOTICE REQUIRED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

Pipe Hole Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-2" HOPE SDR 9	FT	650	
MAT-00200 - WARNING TAGS AND/OR MARKERS	EA	1	

Pipe Hole Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30700-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	650	
UGB-30700-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31000-S - REMOVE AND DISPOSE OF 1 114F CABLE	FT	608	
UGB-31950-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4,830	

- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8-2" HOPE CONFIGURATION:
- 4" (LEVELS)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
  - 3" FIBERGLIGHT
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 1" CYRUSOIC
  - BLACK W/ WHITE STRIPE
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**Level(3)**  
CONSULTANTS

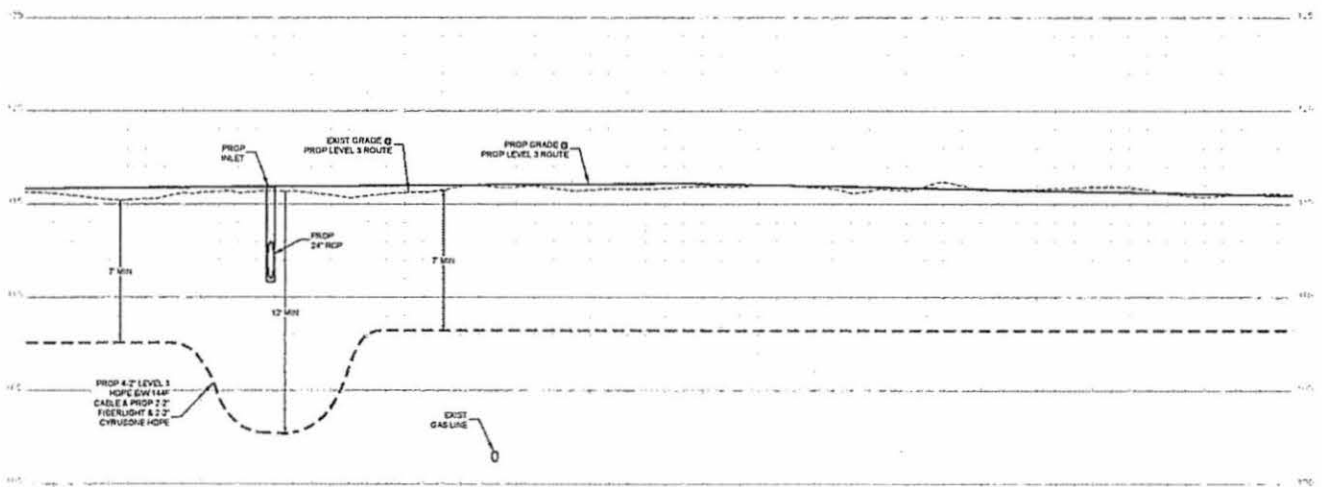
LEVEL 3 ENGINEER  
REGISTERED  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX

DATE: 11/15/18  
SCALE: 1"=40'  
SHEET: 31 OF 31  
DESIGN: JLD/SPR

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR MUST  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
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    - BLACK W/ PURPLE STRIPE
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**Level(3)**  
LEVEL 3 ENGINEER  
14231 HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICE  
PROJECT NUMBER  
LOCATION: FM 100 AND STEFARK  
EXTENSION: HOUSTON, TX  
DRAWING DATE:  
SCALE: VERT 1\"/>

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FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S  
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UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL  
DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-541-6025  
48 HOURS NOTICE REQUIRED

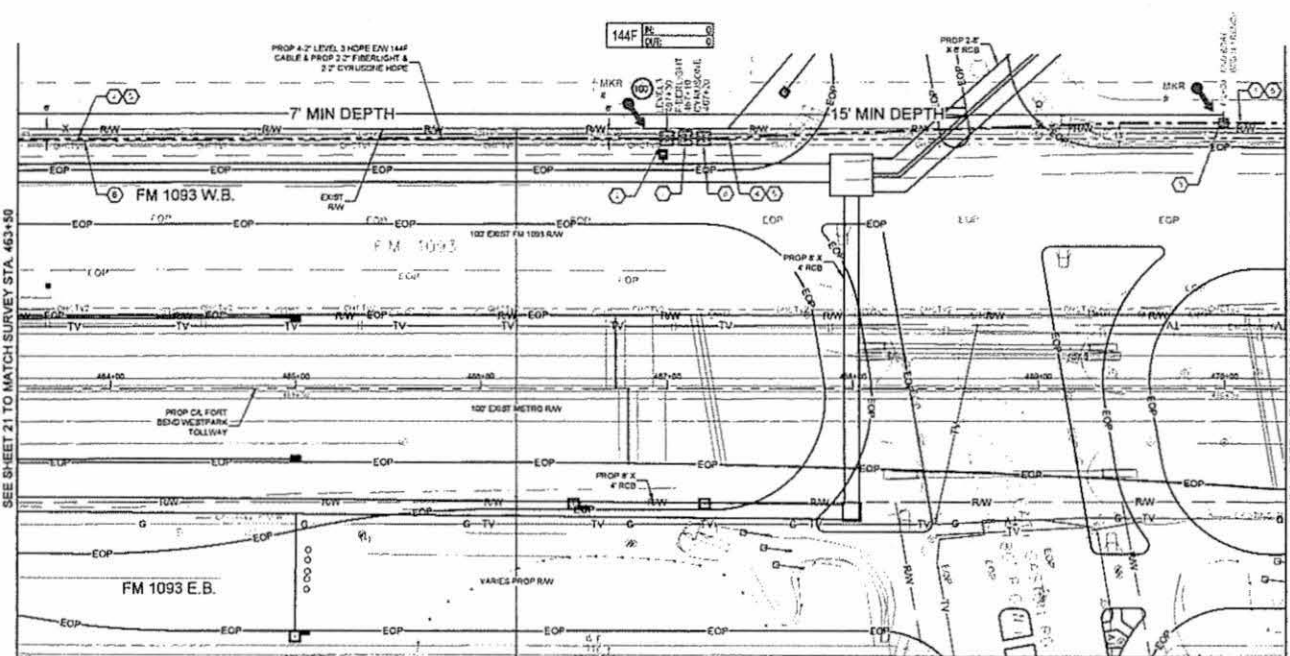
HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 30'  
CONDUIT OFF. 8'  
CONDUIT TYP. HERE  
NOTES: TRENCH 8'-2" HOPE
- 2 LEVELS IN VEHICLE  
CON. 10' 1-144F IN 141
- 3 PROPOSED BORE/PIE
- 4 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 150'  
CONDUIT OFF. 8'  
CONDUIT TYP. HERE  
NOTES: BORE 8'-2" HOPE
- 5 CABLE PILES: 144F  
CABLE OWNER: LUGS3  
CABLE LENGTH: 787'
- 6 CABLE PILES: 144F  
CABLE OWNER: LUGS3  
CABLE LENGTH: 587'  
NOTES: REMOVE 144F CABLE  
FIBERGLASS IN VEHICLE
- 7 FIBERGLASS IN VEHICLE
- 8 CYRUS/CHE
- 9 CYRUS/CHE

- CONSTRUCTION NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8" HOPE CONDUITATION:  
4" LEVELS/1  
BLACK W/ PURPLE STRIPE  
BLACK W/ ORANGE STRIPE  
BLACK W/ GREEN STRIPE  
BLACK W/ BROWN STRIPE  
2" FIBERGLASS  
BLACK W/ RED STRIPE  
BLACK W/ BLUE STRIPE  
2" CYRUS/CHE  
BLACK W/ WHITE STRIPE  
BLACK W/ GREY STRIPE



SEE SHEET 21 TO MATCH SURVEY STA. 463+50

SEE SHEET 23 TO MATCH SURVEY STA. 470+30

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8"-2" HOPE SDR 9	FT	650	
MAT-00270 - TIER 15 30"x48"x30" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	2	
MAT-02000 - WARNING TAPS AND/OR MARKERS	EA	2	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30250-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	30	
UGB-30140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	30	
UGS-30250-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	650	
UGB-30260-S - PLACE UP TO 238 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COIL)	FT	780	
UGB-31270-S - PLACE NEW 30"x48"x30" HDPE CONCRETE HANDHOLE	EA	2	
UGS-31540-S - EXCAVATE SMALL PIT 24"x30"	EA	1	
UGS-31550-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31920-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	210	
UGS-50700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4650	



CALL BEFORE YOU DIG  
1-800-551-4800  
48 HOURS NOTICE REQUIRED

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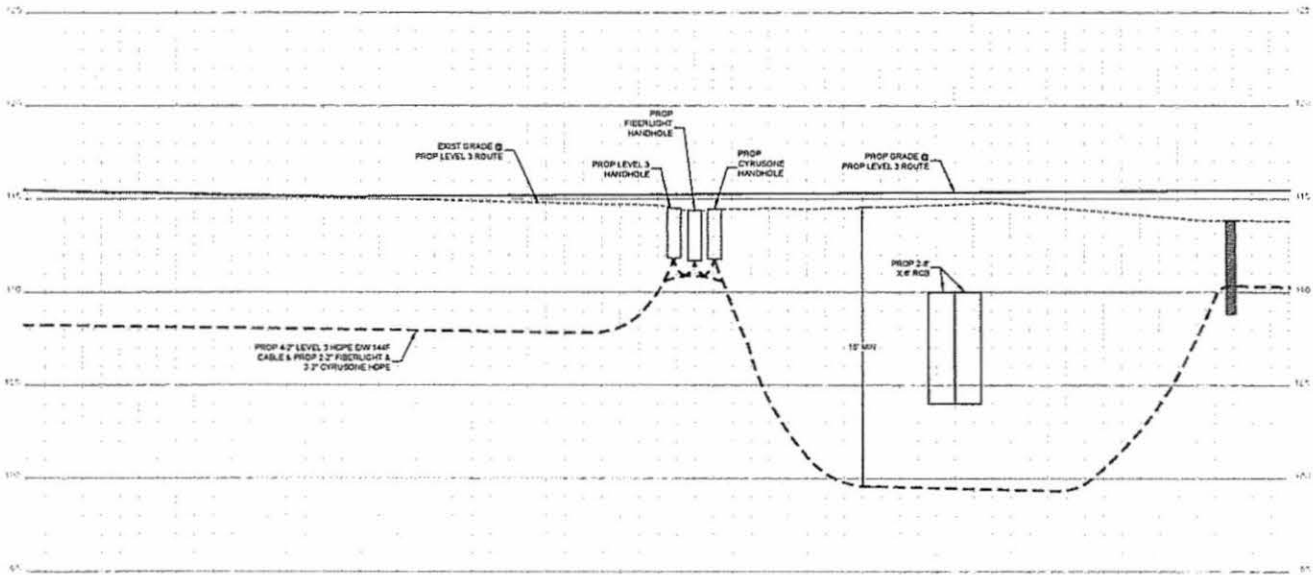
**Level(3)**  
LEVEL 3 ENGINEER  
KATH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EAST HOUSTON - HOUSTON, TX  
DRAWING TITLE

SCALE: HORIZ. 1"=100'  
SHEET 22 OF 31  
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



PROP 4\"/>

PROP 2\"/>



CALL BEFORE YOU DIG  
1-800-545-0055  
48 HOURS NOTICE REQUIRED

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CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE COORDINATES AS  
NOTED BELOW.

- 8\"/>
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    - BLACK W/ PURPLE STRIPE
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DATE	BY	THE DESIGN
3-2-18	REVISION # 1	
11-13-18	ISSUED	
04/19/18	ISSUED	

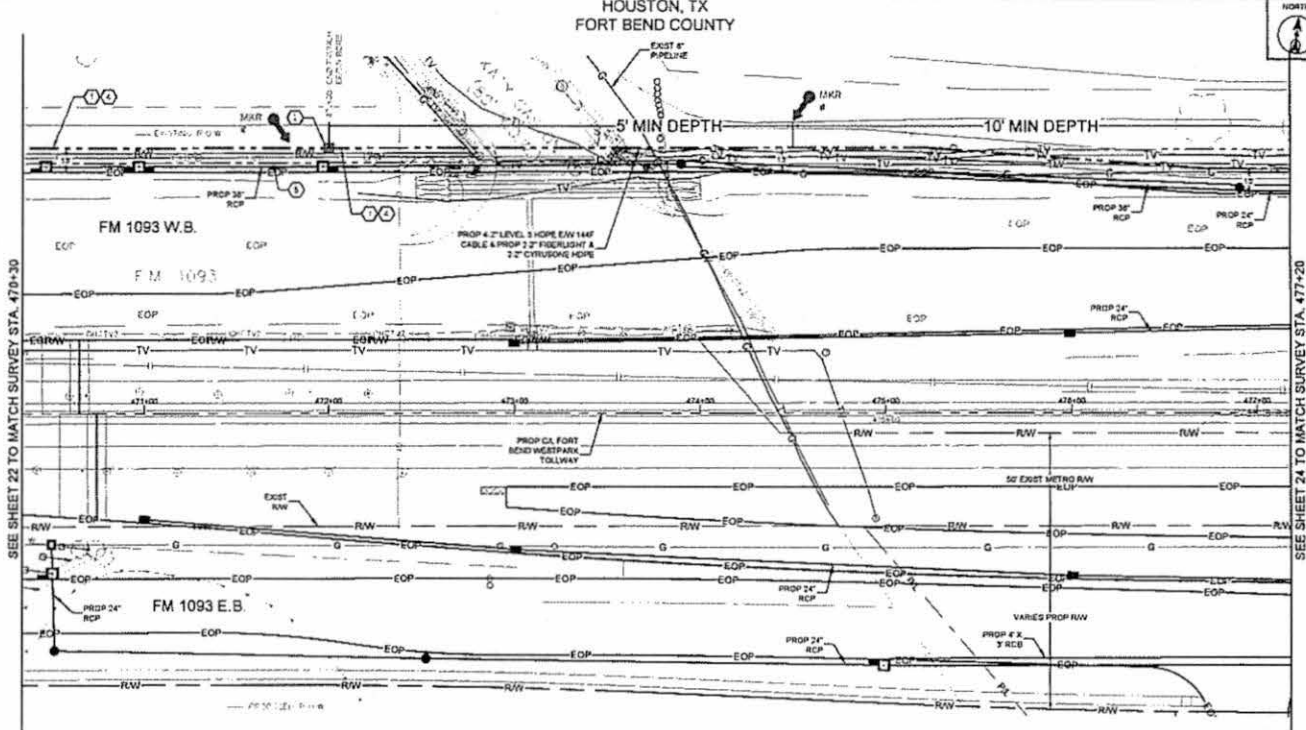
**Level(3)**  
EXTRAORDINARY

LEVEL 3 ENGINEER  
KATHY HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER:  
LOCATION: FM 1031 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING NUMBER:

SCALE: VERT. 1\"/>

SHEET 22A OF 31  
CONTRACT/REP/PROPERTY

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
- CONDUIT OWNER LEVELS  
CONDUIT LENGTH 117'  
CONDUIT SIZE 2"  
CONDUIT TYPE HOPE  
NOTES: BORE 8-2" HOPE
  - CONDUIT OWNER LEVELS  
CONDUIT LENGTH 207'  
CONDUIT SIZE 2"  
CONDUIT TYPE HOPE  
NOTES: BORE 8-2" HOPE
  - CABLE PROPS: 144'  
CABLE OWNER LEVELS  
CABLE LENGTH 180'  
NOTES: REMOVE 144' CABLE
  - CABLE PROPS: 144'  
CABLE OWNER LEVELS  
CABLE LENGTH 180'  
NOTES: REMOVE 144' CABLE

SEE SHEET 22 TO MATCH SURVEY STA. 470+30

SEE SHEET 24 TO MATCH SURVEY STA. 477+20

Page Make Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00100 - CONDUIT 8-2" HOPE GDR-S	FT	630	
MAT-00200 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Make Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	170	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	170	
UGB-30090-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	620	
UGB-30050-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	EA	600	
UGB-31E40-S - EXCAVATE SMALL PIT 6'X6'X5'	EA	1	
UGB-31090-S - REMOVE AND DISPOSE OF 1-144' CABLE	FT	600	
UGB-31100-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,100	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	3,640	



CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

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- CONTRACTOR TO SUPPLY  
CONDUIT UNLESS NOTED  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8-2" HOPE CONFIGURATION:
- 4" LEVELS
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
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    - BLACK W/ BROWN STRIPE
  - 2" FIBERGLASS
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2-2" CYRUSONE
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE

**Level 3**  
ENGINEERING

LEVEL 3 ENGINEER  
KEITH HALL

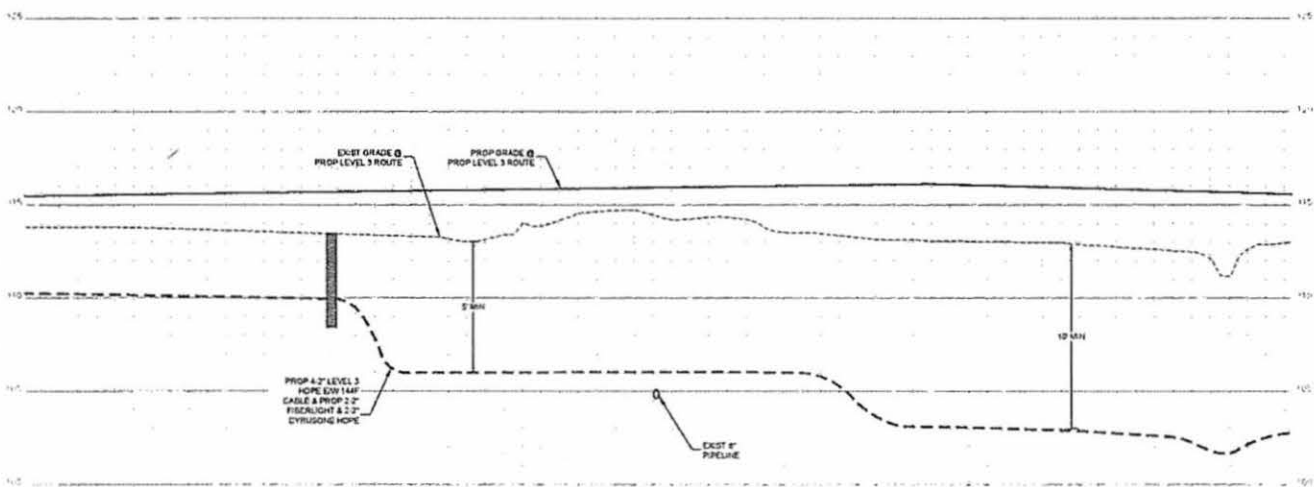
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 103 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING DATE

SCALE: HDB 1/8"=1'-0"  
SHEET: 23 OF 31  
CONTRACT NUMBER: 1404

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW
- 6" HOPE CONFIGURATION:
- 4" LEVELS:
    - BLACK W/PURPLE STRIPE
    - BLACK W/ORANGE STRIPE
    - BLACK W/GREEN STRIPE
    - BLACK W/BROWN STRIPE
  - 2" FIBERGLASS:
    - BLACK W/RED STRIPE
    - BLACK W/BLUE STRIPE
    - BLACK W/WHITE STRIPE
    - BLACK W/GRAY STRIPE

NO.	DATE	BY	REVISION
1			
2			

**Level(3)**  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER: \_\_\_\_\_  
LOCATION: FM 103 WESTPARK EXTENSION - HOUSTON, TX

DRAWING DATE: \_\_\_\_\_

SCALE: VERT. 1"=10'  
SHEET 23A OF 31  
CDP/CENTRAL/FORTBEND.TX



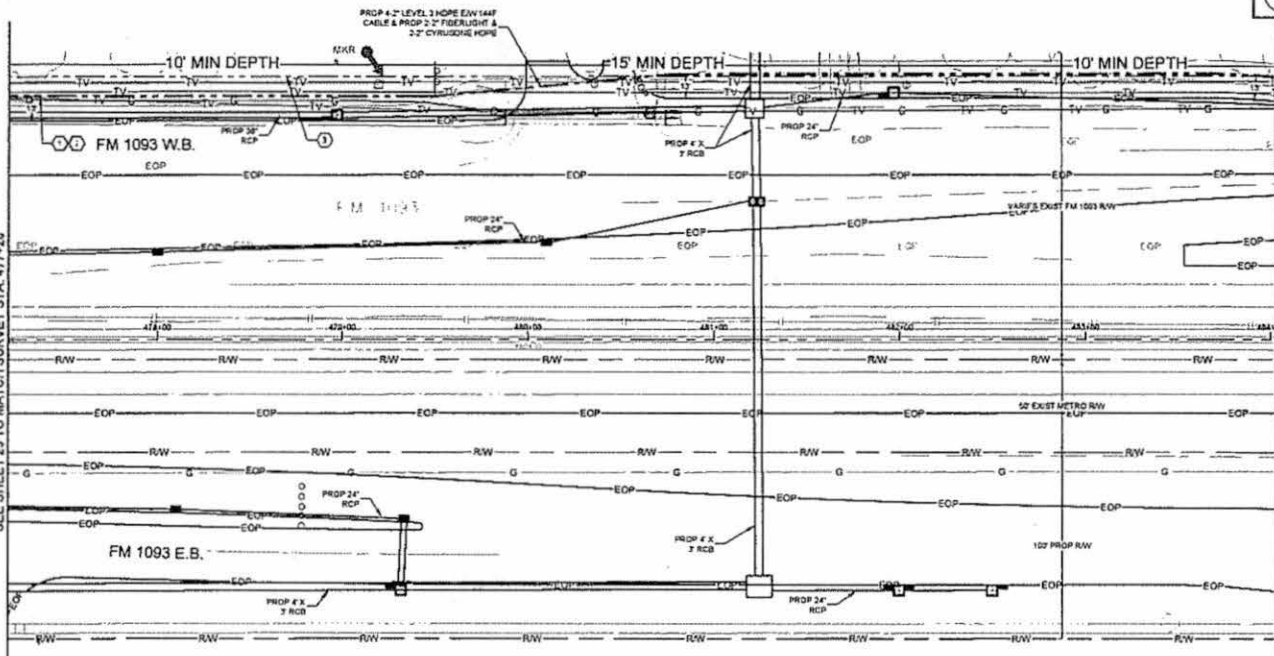
CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
1. CONDUIT OWNER LEVELS  
CONDUIT LENGTH 600'  
CONDUIT DIA. 8"  
CONDUIT SIZE 2"  
CONDUIT TYPE HDPE  
NOTE: BORE 8-2" HDPE
  2. CABLE PILES: 144"  
CABLE OWNER LEVELS  
CABLE LENGTH 800'
  3. CABLE PILES: 144"  
CABLE OWNER LEVELS  
CABLE LENGTH 800'  
NOTES REMOVE 144" CABLE



SEE SHEET 23 TO MATCH SURVEY STA. 477+20

SEE SHEET 25 TO MATCH SURVEY STA. 484+00

Page Blank Off - Materials			
Unit Code & Description	Units	Quantity	Actual Quantity
MAT-80150 - CONDUIT 8" 2" HDPE SDR 8	FT	600	
MAT-80200 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Blank Off - Work Performed			
Unit Code & Description	Units	Quantity	Actual Quantity
UGG-30530-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HDPE CONDUIT UP TO 2"	FT	600	
UGG-30500-S - PLACE UP TO 288 CONDUIT FOR CONDUIT UP TO 1500'	FT	600	
UGG-31050-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	600	
UGG-31920-S - PLACE LOCATE MARKER POST	EA	1	
UGG-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4,700	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

- CONTRACTOR MUST SUPPLY ALL HDPE CONDUITS AS NOTED BELOW
- 8" HDPE CONFIGURATION
- 4" LEVELS:
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
- 2" CYRUSONE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

NO.	DATE	BY	REVISION
1			AS-BUILT
2			REVISION # 1
3			ORIGINAL

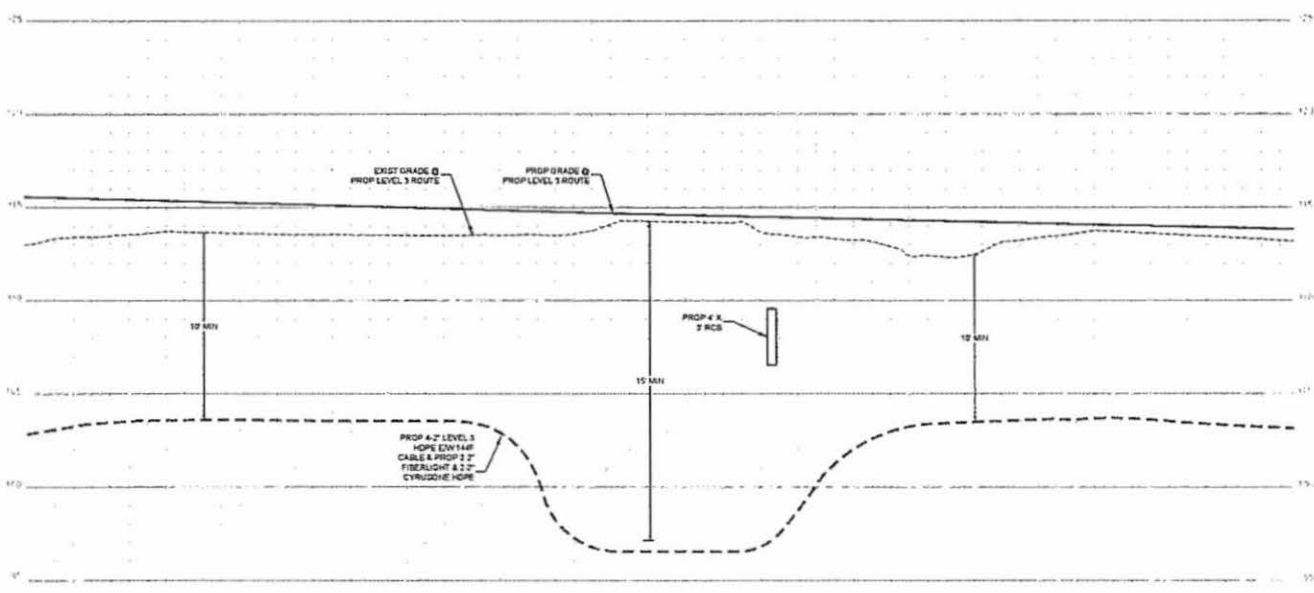
**Level(3)**  
CORPORATION

LEVEL 3 ENGINEER  
METHUEN  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WEST BRANCH  
EXTENSION, HOUSTON, TX  
DRAWING TITLE  
SCALE: 1/8" = 1'-0"  
SHEET 24 OF 31  
CONTRACTOR'S PROPERTY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONSTRUCTION NOTE:  
CONTRACTOR SHALL SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8-2" HOPE CONFIGURATION
- 4" LEVEL 3
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2" FIBERLIGHT
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2" CYRUSHOPE
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE

NO.	DATE	THE DESIGN
1		
2		
3		
4		

**Level(3)**  
LEVEL 3 ENGINEER  
40134 HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER  
LOCATION: FM 1001 REPAIR  
EXTENSION, HOUSTON, TX  
DRAWING DATE

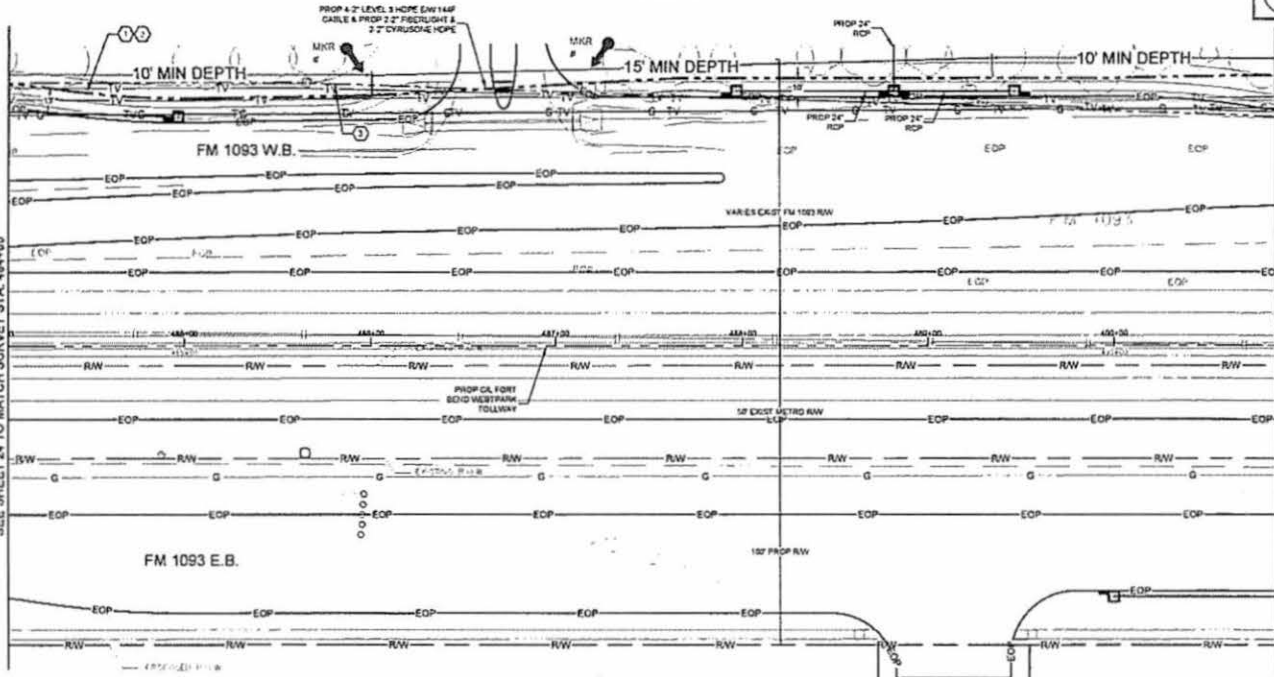
SCALE: VERT 1"=3'  
SHEET 24A OF 31  
CDP/CE/VAL/PRO/RE/1484

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-0025  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
1. CONDUIT OWNER LEVELS  
CONDUIT LENGTH 500'  
CONDUIT SIZE 4"  
CONDUIT TYPE 1144  
NOTES REMOVE 1144 CABLE
  2. CABLE OWNER LEVELS  
CABLE OWNER LEVELS  
CABLE LENGTH 500'
  3. CABLE OWNER LEVELS  
CABLE OWNER LEVELS  
CABLE LENGTH 500'

- CONSTRUCTION NOTE**  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 4" HOPE CONFIGURATION
- 4" LEVELS
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
- 2" CYRUSLOK
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

Page Make Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT 90150 - CONDUIT 4" HOPE SDR-9	FT	650	
MAT 90200 - WARNING TACS AND/OR MARKERS	EA	2	

Page Make Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGD-30150-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	650	
UGD-30150-S - PLACE UP TO 255 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGD-31050-S - REMOVE AND DISPOSE OF 1 1144" CABLE	FT	650	
UGD-31050-S - PLACE LOCATE MARKER POST	EA	2	
UGD-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4330	



CALL BEFORE YOU DIG  
1-800-545-6205  
48 HOURS NOTICE REQUIRED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

**Level 3**  
ENGINEERS

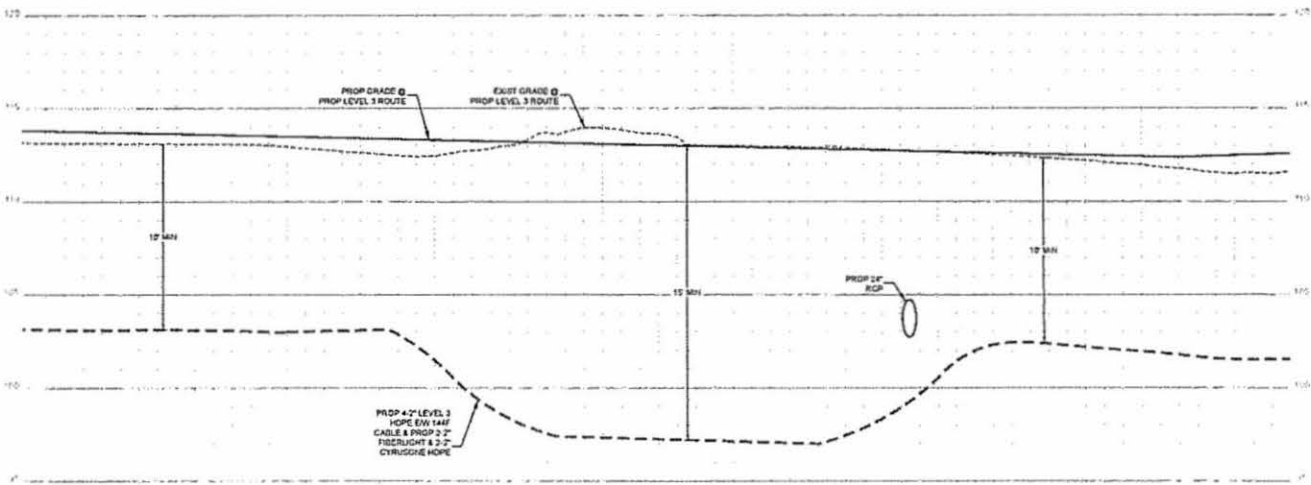
LEVEL 3 ENGINEERS  
2021 HILL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICE  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING DATE

SCALE: HORIZ. 1"=50'  
SHEET 25 OF 31  
CONTRACT NO. 1144

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONNECTS AS  
NOTED BELOW
- 6" HOPE CONFIGURATION
- 4" (LEVELS)
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2" FIBERGLASS
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2" CYRUSONE
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE

NO	DATE	ENG. DESIGN
1		SE-BAL
2-2-18		REVISION # 1
11-13-15		ORIGINAL
DATE PLOTTED		CONTRACT

**Level(3)**  
LEVEL 3 ENGINEER  
16700 HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1051 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING DATE

SCALE: VERT 1"=4'  
SHEET 25A OF 31  
CADD: 02/10/18/PL/MS/PE/BAK

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND  
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S  
RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND  
UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL  
DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



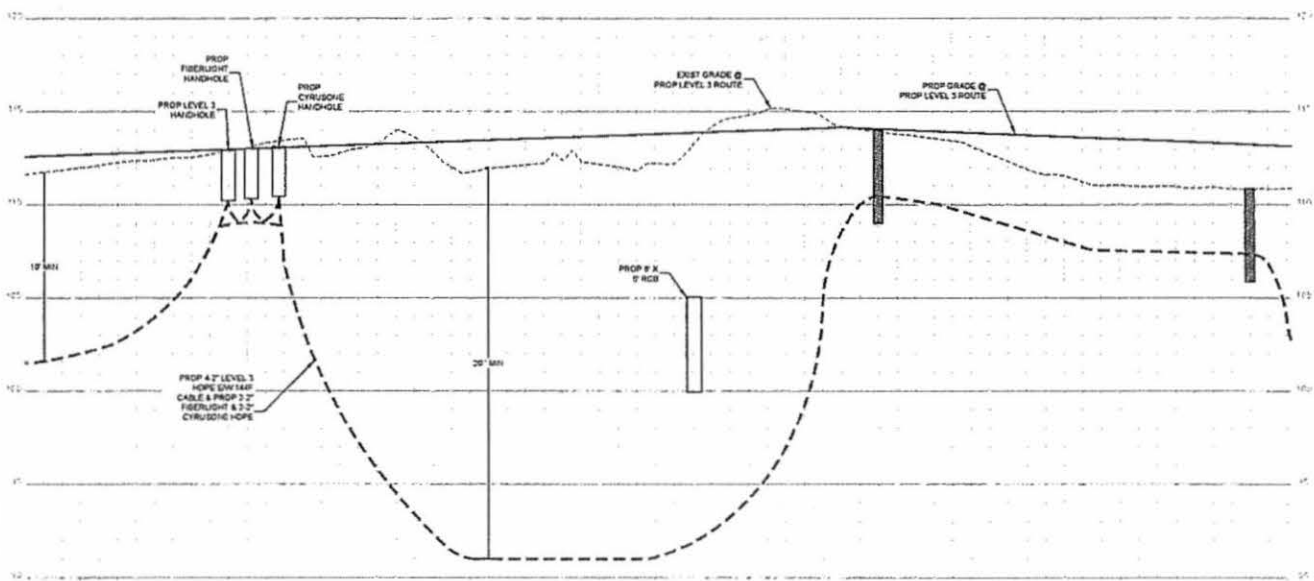
CALL BEFORE YOU DIG  
1-800-4-A-DIG  
48 HOURS NOTICE REQUIRED



HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
LISTED BELOW
- 6\"/>
  - 4\"/>
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2\"/>
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2\"/>
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE

NO.	DEPTH	THE DESIGN
1		
2		
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4		

**Level(3)**  
LEVEL 3 ENGINEER  
NORTH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER  
LOCATION: 7811 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING DATE

SCALE: VERT 1"=2'  
SHEET 28A OF 31  
COPYRIGHT/RESERVED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-5000  
48 HOURS NOTICE REQUIRED

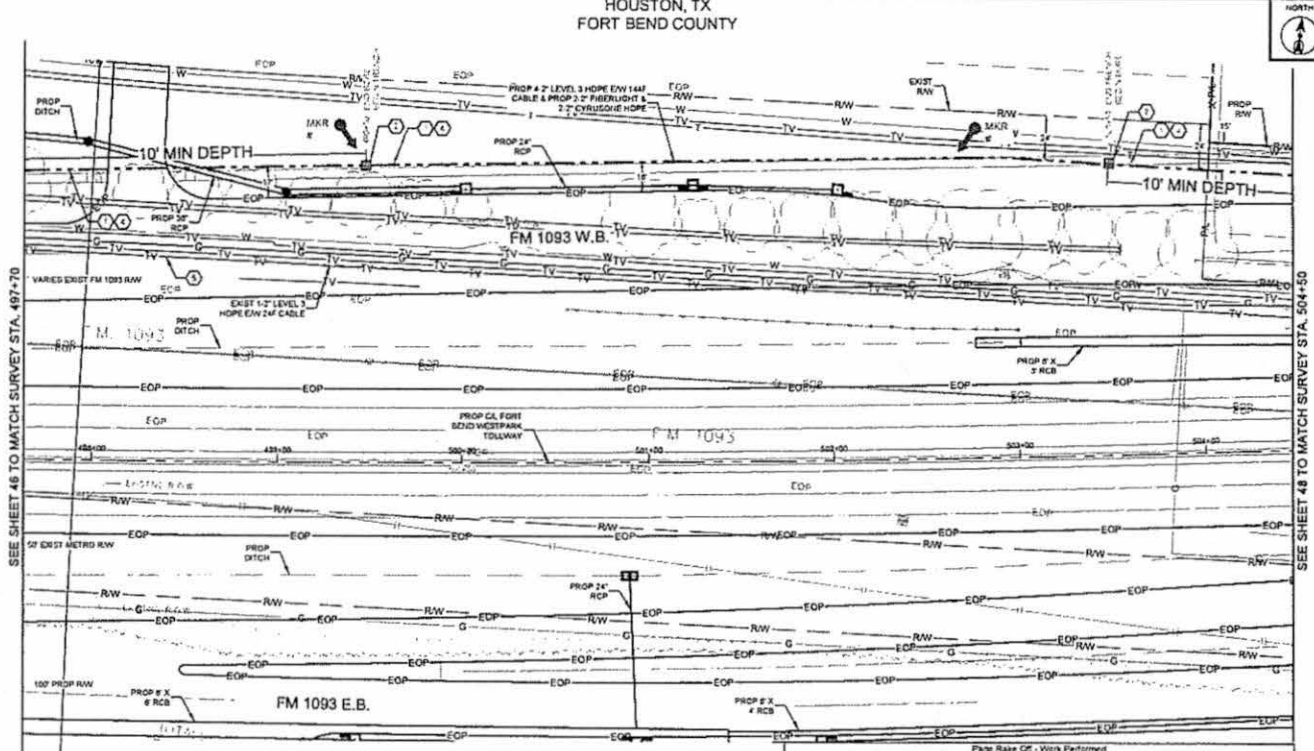
HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 300'  
CONDUIT SIZE 8"  
CONDUIT TYPE HOPE  
NOTES: BORE 8-2" HOPE
- 2 PREPARED BORE
- 3 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 430'  
CONDUIT SIZE 8"  
CONDUIT TYPE HOPE  
NOTES: BORE 8-2" HOPE
- 4 CABLE PILES: 144'  
CABLE OWNER LEVELS  
CABLE LENGTH 800'
- 5 CABLE PILES: 144'  
CABLE OWNER LEVELS  
CABLE LENGTH 800'  
NOTES: REMOVE 144' CABLE

- CONTRACTOR MUST  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8" HOPE CONFIGURATION
- 4" LEVELS
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
  - 2" FIBERGLITE
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" CYRUSHOPE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE



SEE SHEET 45 TO MATCH SURVEY STA. 497+70

SEE SHEET 48 TO MATCH SURVEY STA. 504+50

Page	Rate	CR	Material	Units	Estimated Quantity	Actual Quantity
MAT-00150			CONDUIT 8" HOPE SDR 3	FT	800	
MAT-00200			WARNING TAGS AND/OR MARKERS	EA	2	

Page	Rate	CR	Work Performed	Units	Estimated Quantity	Actual Quantity
UGB-3005A-S			TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	450	
UGB-3014B-S			PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	400	
UGB-30030-S			DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	200	
UGB-30050-S			PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-3104D-S			EXCAVATE SMALL PIT 6"X4"X3"	EA	2	
UGB-31050-S			REMOVE AND DISPOSE OF 1-144' CABLE	FT	600	
UGB-31030-S			PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S			PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2 800	
UGB-30700-S			DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1 500	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR



CALL BEFORE YOU DIG  
1-800-545-0005  
48 HOURS NOTICE REQUIRED

**Level(3)**  
REGISTERED

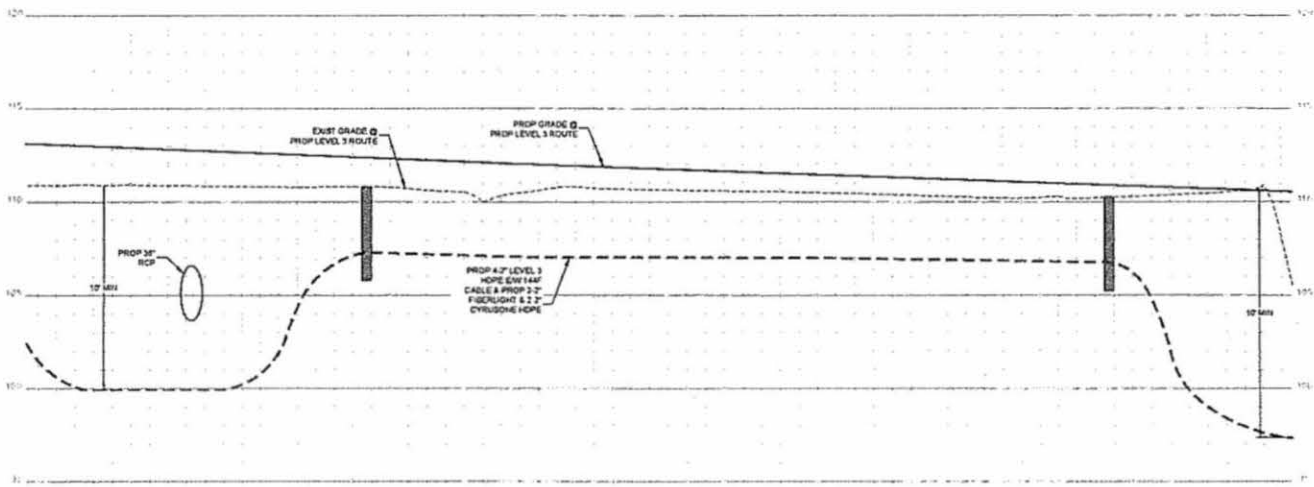
LEVEL 3 ENGINEER  
NATHAN  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
E0010701 FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWN/DATE

SCALE: HORIZ 1"=50'  
SHEET 27 OF 31  
E0010701/PL/08/09/09

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR MUST  
CONTRACTOR MUST SUPPLY  
ALL HOPE COMPONENTS AS  
NOTED BELOW
- 8\"/>

NO.	DATE	BY	DESCRIPTION
1			
2			
3			

**Level(3)**  
ENGINEERING FIRM  
NORTH HAVEN, TX  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: 16100 W. I-10 PARK  
EXTENSION - HOUSTON, TX  
DRAWING TITLE  
SCALE: 1/4\"/>

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND  
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S  
RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND  
UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL  
DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-6206  
48 HOURS NOTICE REQUIRED

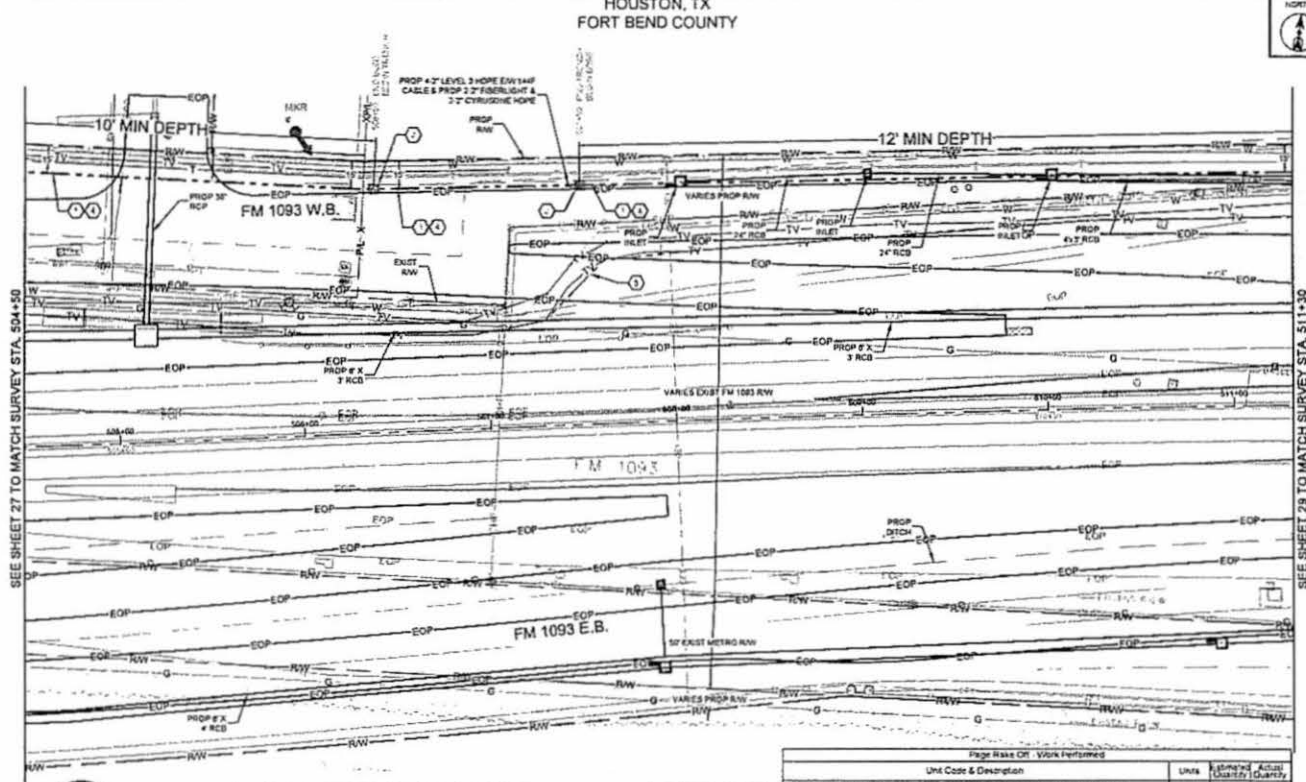
HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVEL  
CONDUIT LENGTH 100'  
CONDUIT CTY: 5  
CONDUIT TYPE: HDPE  
HOLE SIZE: 8-2" HDPE
- 2 PROPOSED TRENCH
- 3 CONDUIT OWNER LEVEL  
CONDUIT LENGTH 100'  
CONDUIT CTY: 5  
CONDUIT TYPE: HDPE  
HOLE SIZE: 8-2" HDPE
- 4 CABLE TRENCH: 144"  
CABLE OWNER LEVEL  
CABLE LENGTH 100'
- 5 CABLE TRENCH: 144"  
CABLE OWNER LEVEL  
CABLE LENGTH 100'  
HOLE: 8-2" HDPE

- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8" HOPE CONFIGURATION
- 4" LEVEL (H)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 3" FIBERLIGHT
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE



SEE SHEET 27 TO MATCH SURVEY STA. 504+50

SEE SHEET 29 TO MATCH SURVEY STA. 511+30



CALL BEFORE YOU DIG  
1-800-545-0005  
48 HOURS NOTICE REQUIRED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00100 - CONDUIT 8-2" HOPE SDR 9	FT	650	
MAT-02000 - WARNING TAGS AND/OR MARKERS	EA	1	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30000-5 - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	100	
UGB-30140-5 - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	100	
UGB-30000-5 - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	550	
UGB-30050-5 - PLACE UP TO 288 COUNT FCC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-5 - EXCAVATE SMALL PIT 6'X3'5"	EA	2	
UGB-31000-5 - REMOVE AND DISPOSE OF 1-144" CABLE	FT	500	
UGB-31500-5 - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-5 - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	700	
UGB-32700-5 - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4 050	

**Level(3)**  
CORPORATIONS

LEVEL 3 ENGINEER  
10011 HILL  
HOUSTON, TX 77036

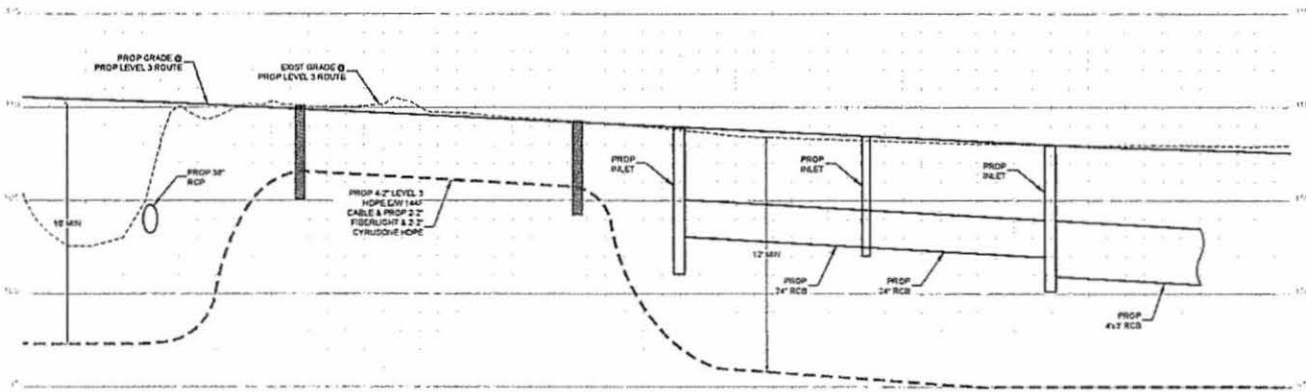
ENGINEERING FIRM  
OUR OWN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING TITLE

SCALE: HORIZ: 1"=30'  
SHEET 28 OF 31  
CONTRACT/PROJECT/DATE

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS LISTED BELOW
- 6\"/>
  - 4\"/>
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2\"/>
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2\"/>
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE

NO.	DATE	THE SHEET
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**Level(3)**  
ENGINEERING FIRM  
GOLDEN FELD SERVICES

PROJECT NUMBER  
LOCATION: FM 135 WESTPARK  
EXTENSION, HOUSTON, TX

DRAWING DATE

SCALE: VERT 1"=4'  
SHEET 20A OF 31  
CONTRACT NUMBER: 2009-00000000000000000000

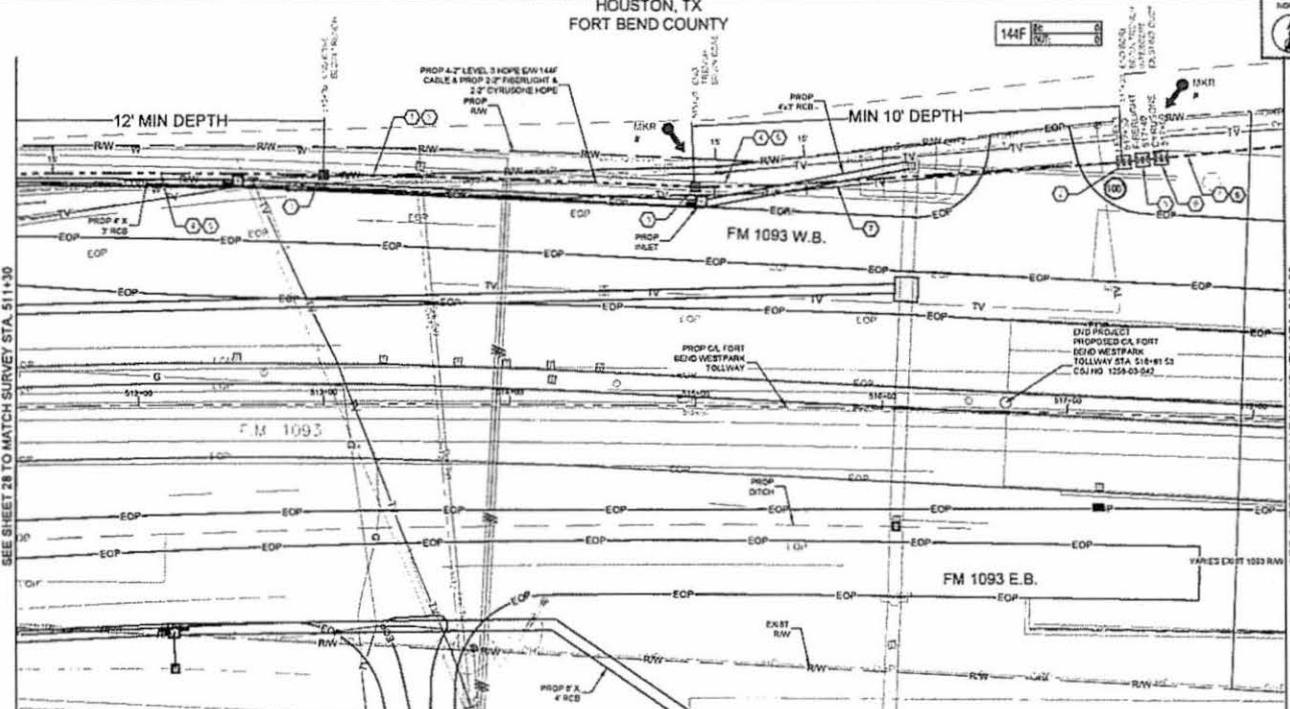
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-8000  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY

144F



- CONSTRUCTION NOTES**
- CONDUIT OWNER LEVELS  
CONDUIT LENGTH 200'  
CONDUIT 2\"/>

- CONTRACTOR NOTE:**  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 6\"/>

Stage Bids C/P - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT 00150 - CONDUIT 8\"/>			

Phase Bids C/P - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30002-S - TRENCH GREATER THAN 1500' TRENCH 48\"/>			

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



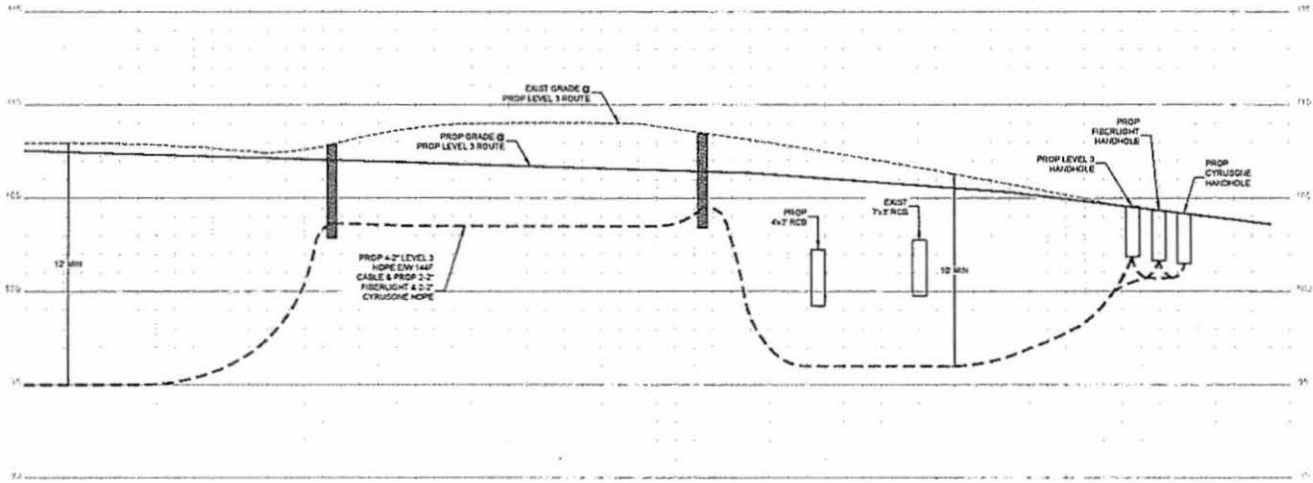
CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

**Level 3**  
ENGINEERS  
LEVEL 3 ENGINEER  
REGISTERED  
PROFESSIONAL ENGINEER  
EXPIRES 09/30/2024  
EXPIRES 09/30/2024  
EXPIRES 09/30/2024  
EXPIRES 09/30/2024

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8" HOPE CONFIGURATION
- 4" (LEVELS)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
- 2" CYRUSQUE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

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**Level(3)**  
LEVEL 3 ENGINEER  
KATHY HILL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER  
LOCATION: FM 1033 ASSISTANCE  
EXTENSION - HOUSTON, TX

DRAWING DATE:

SCALE: VERT 1"=8'

SHEET 29A OF 31

©2017 GOLDEN FIELD SERVICES

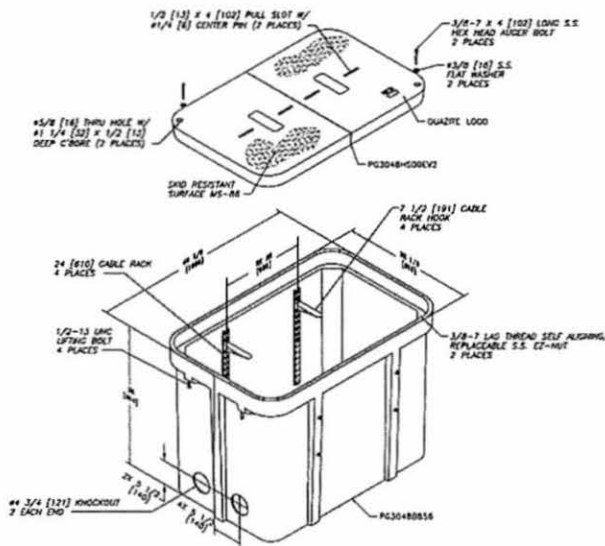
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED



HANDHOLE DETAIL



TYPICAL DETAIL - A

30X48X36 ASSEMBLY  
W/(4) 24" CABLE RACKS  
& (4) 7 1/2" HOOKS  
PC304B2587EV2  
QUARTZITE - 25479085

- CONTRACTOR MUST  
OBTAIN PERMITS FROM ALL  
APPLICABLE AGENCIES AS  
NOTED BELOW
- 8'-2" HOPE CONFIGURATION
- 40" LEVELS
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERGLASS
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
- 2" CYRUSONE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

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**Level(3)**  
ENGINEERING FIRM

LEVEL 3 ENGINEER  
4511 WALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES

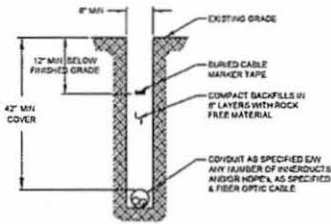
PROJECT NUMBER  
LOCATION: HWY 281 AND SPARK  
EXTENSION - HOUSTON, TX

DRAWN BY: [ ]  
CHECKED BY: [ ]

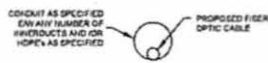
SHEET 30A OF 31  
©2022 GEOSCIENCE AND TECHNOLOGY

CONSTRUCTION DETAIL

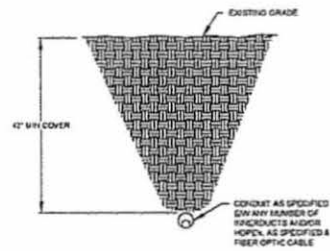
TYPICAL DETAIL "A"  
TRENCH & PLACE CONDUIT



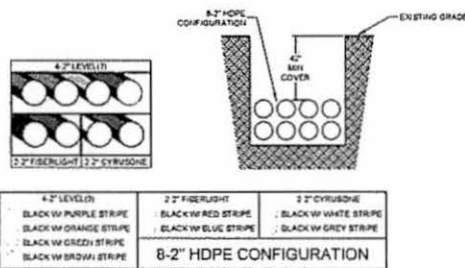
TYPICAL DETAIL "B"  
CROSS SECTION OF PROPOSED HDPE



TYPICAL DETAIL "C"  
DIRECTIONAL BORE CROSS SECTION FOR CONDUIT



TYPICAL DETAIL "D"  
HDPE CONFIGURATION



CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HDPE CONDUITS AS  
NOTED BELOW.

- 8-2" HDPE CONFIGURATION
- 4" LEVEL
    - BLACK W/ PURPLE STRIPE
    - BLACK W/ ORANGE STRIPE
    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
  - 2" FIBERLIGHT
    - BLACK W/ RED STRIPE
    - BLACK W/ BLUE STRIPE
  - 2" CYRUSONE
    - BLACK W/ WHITE STRIPE
    - BLACK W/ GREY STRIPE

NO.	DATE	BY	CHK'D	DESCRIPTION
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Level(3)  
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SQUARE  
PROJECT NUMBER  
LOCATION: FM 355 WESTRANK  
EXTENSION - HOUSTON TX  
DRAWING DATE



RAKE OFF - WORK PERFORMED			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	9,105	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	9,105	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	63,735	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HDPE CONDUIT UP TO 2"	FT	8,350	
UGB-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	58,450	
UGB-30960-S - PLACE UP TO 288 COUNT FGC IN CONDUIT, UP TO 1500' (1,000' IN COIL)	FT	15,177	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	27	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	34	
UGB-31600-S - CORE BORE MH 2' OUTSIDE DIAMETER	EA	1	
UGB-30930-S - INTERCEPT CONDUIT. WYE CAST 2"	EA	2	
UGB-31080-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	18,052	
UGB-31380-S - REMOVE EXISTING - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	1	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	30	

RAKE OFF - MATERIALS LIST			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT 8-2" HDPE SDR-9	FT	17,435	
MAT-90970 - TIER 15 30"x48"x36" - W/ KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	27	
MAT-90360 - CONDUIT WYE CAST 2"	EA	1	
MAT-92080 - WARNING TAGS AND/OR MARKERS	EA	39	

- CONTRACTOR NOTE  
 CONTRACTOR MUST SUPPLY  
 ALL HDPE CONDUITS AS  
 NOTED BELOW
- 5" HDPE CONFIGURATION
- 4" (LEVEL 1)
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
  - 2" FIBERGLASS
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 3" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

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NO.	DATE	BY	REASON
1-3-14			REVISION # 1
11-12-15			ORIGINAL
DATE PLOTTED			COMPUTER

**Level(3)**  
 CONSULTANTS

LEVEL 3 ENGINEER  
 NESTHILL

ENGINEERING FIRM  
 GOLDEN FIELD SERVICES

PROJECT NUMBER  
 LOCATION: FM 1503 KESTER PARK  
 EXTENSION - HOUSTON, TX

DRAWING NAME

SHEET 31 OF 31  
 CDD\EST\ALPHARETARY

# Exhibit B

## Zayo Construction Cost Estimate

AWB 3/30/16  
Date  
Fort Bend County

DTD 3/18/16  
Initial Date  
Zayo

Utility Relocation Cost Estimate

Sow	FM 1093 and Westpark Relo		
Description	Relocation Construction		
Market	TX, Houston		
PA	98059	1 conduit	
Task	Online Directional Boring (Contractor)	Zayo	Cost Breakdown
UGB-30050:UGB:Trench Greater Than 1500':Trench greater than 1500': Trench 48" minimum cover	\$ 150,232.50	\$ 18,779.06	Cost divided via pro-rata
UGB-30140:UGB:Conduit / Casing - Place in Trench:Place 1 - HDPE conduit in open trench up to 2"	\$ 15,933.75	\$ 1,991.72	Cost divided via pro-rata
UGB-30150:UGB:Conduit / Casing - Place in Trench:Place additional HDPE in open trench conduit up to 2"	\$ 66,921.75	\$ 8,365.22	Cost divided via pro-rata
UGB-30690:UGB:Directional Bore Greater Than 1500':Directional Bore greater than 1500': 1 HDPE conduit up to 2"	\$ 154,475.00	\$ 19,309.38	Cost divided via pro-rata
UGB-30700:UGB:Directional Bore Greater Than 1500':Directional Bore greater than 1500': Additional HDPE conduit up to 2"	\$ 175,350.00	\$ 21,918.75	Cost divided via pro-rata
UGB-31270:UGB:Handhole / Manhole Excavation & Placement:Place New - 30"x48"x36" - Non-concrete Manhole / Handhole	\$ 21,735.00	\$ 5,433.75	Costs divided 4 ways.
UGB-31640:UGB:Pits:Excavate Small Pit: 6'x4'x5'	\$ 31,620.00	\$ 3,952.50	Cost divided via pro-rata
MAT-90970:MAT:Handhole / Manhole:Tier 15 30"x48"x36" - With knock-outs and racking - Including Cover	\$ 17,550.00	\$ 4,387.50	Costs divided 4 ways.
MAT-90080:MAT:Conduit :Conduit: 1 1/2" HDPE SDR-11	\$ 89,267.20	\$ 11,158.40	Cost divided via pro-rata
<b>Total Relocation Cost</b>	<b>\$ 723,085.20</b>	<b>\$ 95,296.28</b>	

Fort Bend County Reimbursement (50%)

\$ 47,648.14

# Exhibit C

## Zayo Schedule of Work and Estimated Dates of Completion.


(As Shown Below)

### Construction Schedule:

Begin Construction: March 15, 2015

Complete Construction: May 15, 2016

 3/30/14  
Date  
Fort Bend County

 2-27-16  
Initial Date  
Zayo

# CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
 Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

## OFFICE USE ONLY CERTIFICATION OF FILING

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**  
 Zayo Group, LLC  
 Boulder, CO United States

Certificate Number:  
 2016-25787

Date Filed:  
 03/14/2016

Date Acknowledged:

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**  
 County of Fort Bend, Texas

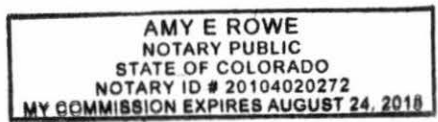
**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the goods or services to be provided under the contract.**

23381  
 Utility relocation regarding FM 1093 / Westpark Mobility Bond project no 748

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party.

6 AFFIDAVIT I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.



*Miki Marlatt-Orledge*  
 Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said Contract Manager this the 14<sup>th</sup> day of March, 2016, to certify which, witness my hand and seal of office.

*Amy E. Rowe*      Amy E. Rowe      Contract Manager  
 Signature of officer administering oath      Printed name of officer administering oath      Title of officer administering oath

