

**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.

\_\_\_\_\_  
Date  
Fort Bend County

DA  
Initial  
2-27-16  
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.

\_\_\_\_\_  
Date  
Fort Bend County

bd      2-29-16  
Initial      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: \_\_\_\_\_

**EXECUTION RECOMMENDED:**

**COUNTY**

By: \_\_\_\_\_  
*Authorized Signature*

\_\_\_\_\_  
*Print or Type Name*

Title: \_\_\_\_\_

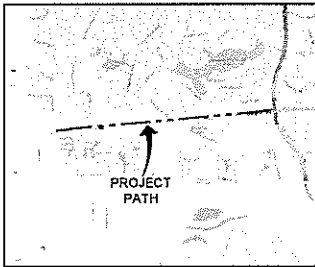
Date: \_\_\_\_\_

\_\_\_\_\_  
Date  
Fort Bend County

DD  
Initial      2-29-16  
                    Date  
Zayo

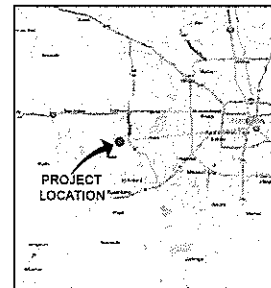


ADDRESS: FM 1093 WEST OF GRAND PARKWAY  
 PROJECT NAME: FM 1093 / WESTPARK EXTENSION RELO



LOCATION MAP

PROJECT LOCATION  
 MAP NOT TO SCALE



VICINITY MAP

**CONTACTS**

LEVEL (3)  
 KEITH HALL 832-543-8013  
 GOLDEN FIELD SERVICES  
 ERIC BAKER 832-357-3282

**PROJECT INDEX**

- 1 - COVER SHEET
- 2 - LEGEND
- 2A - GENERAL NOTES 1
- 2B - GENERAL NOTES 2
- 3 - INDEX SHEET
- 430 - CONSTRUCTION PLANS & PROFILES
- 304-305 - CONSTRUCTION DETAILS
- 30C - LEVEL 3 CABLE PULLING SCHEMATIC
- 31 - RAKE OFF TOTAL

**SCOPE OF WORK**

REMOVE AND REPLACE 18,177 OF THE EXISTING LEVEL 3 COMMUNICATIONS FIBER NETWORK & PLACE 8.7" HDPE CONDUIT & 2" HOLES IN THE NORTH RIGHT-OF-WAY OF F.M. 1093 & WESTPARK TOLLWAY DUE TO CITY OF HOUSTON INFRASTRUCTURE EXPANSION OF WESTPARK TOLLWAY

**PROJECT DESCRIPTION**

CALL LOG#  
 DRAWING#  
 ADDRESS  
 CITY - HOUSTON  
 COUNTY - FORT BEND  
 STATE - TEXAS  
 COUNTY OF# 77454 & 77406  
 CUSTOMER/CLIENT

1		
2		
3		
NO.	DATE	ENG. REVISION
2	12-18-12	WORKING 2
1	11-15-12	ORIGINAL
DATE	BY	DESCRIPTION



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

SHEET 1 OF 31  
 CONFIDENTIAL/PROPRIETARY

# LEGEND

## LINE TYPES

	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
	SANITARY SEWER (SEW)
	STORM DRAIN
	FENCE
	CABLE TV
	STEAM
	UNKNOWN UTILITY
	RIGHT OF WAY
	EDGE OF PAVEMENT

## SYMBOL DESCRIPTION

ASW	ASPHALT SIDEWALK
BP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
EOP	EDGE OF PAVEMENT
EDTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
HDP	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
WH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RCS	RIGID GALVANIZED STEEL CONDUIT
R/W	RIGHT OF WAY
STA	STATION

	RISER
	TELEPHONE
	POWER VAULT
	CATCH BASIN/VALET
	FIRE HYDRANT
	GROUND/DOWN
	STREET LIGHT
	TREE
	CULVERT
	WING WALL
	BRIDGE
	MISC. UTILITY
	UTILITY POLE - EXISTING
	POLE - PROPOSED
	HANDHOLE - EXISTING
	HANDHOLE - 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
	SPLICE POINT - EXISTING
	SPLICE POINT - PROPOSED
	SEQUENTIAL CALLOUT
	SEQUENTIAL IN TAG CALLOUT
	SEQUENTIAL TAG 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 CORRESPONDS TO PHOTO LOCATION AND ORIENTATION SEE SHEET # FOR SITE PHOTOGRAPHS

1		
2		
3		
NO	DATE	END DESIGN
1	11/13/15	OMEGA
		CD/ARCH
<b>Level(3)</b>		
LEVEL 3 ENGINEER		
KEITH HALL		
ENGINEERING FIRM		
GOLDEN FIELD SERVICES		
PROJECT MANAGER		
LOCATION: FM 1033 WESTPARK		
EXTENSION: HOUSTON, TX		
DRAWING DATE:		
SHEET 2 OF 31		
CONFIDENTIAL/PROPRIETARY		

## GENERAL NOTES 1

- 1 ALL WORK TO BE DONE WITH EXTREME CAUTION AROUND FIBER OPTIC CABLE CARRYING TRAFFIC. SIGNIFICANT COST AND PENALTIES TO THE CONTRACTOR WILL RESULT FROM SERVICE INTERRUPTION DUE TO CONTRACTOR'S NEGLIGENCE.
- 2 ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, LEVEL (3) COMMUNICATION, OR RIGHT-OF-WAY GRANTOR.
- 3 LOCATION OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD VALUATION MAPS OR OTHER DRAWINGS, AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
- 4 UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS, BUT ARE NOT NECESSARILY EXACT, THEREFORE, UTILITY LOCATION WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING SO THAT ANY CHANGES IN CABLE PLACEMENT CAN BE MADE IN EVENT OF CONFLICTS.
- 5 ALL KNOWN BURIED OBSTRUCTIONS ARE SHOWN ON THE CONSTRUCTION DRAWING. ANY AND ALL OTHER ENCOUNTERED ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT, AND REPAIR IF DAMAGED.
- 6 ANY AND ALL IMPROVEMENTS, SUCH AS, ASPHALT, OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBARKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- 7 EQUIPMENT TYPES SPECIFIED HEREIN (IE BACKHOE, SWAMP PLOW, ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXCEPTIONS.
- 8 GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
- 9 ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL AND REGULATORY AGENCIES, INCLUDING BUT LIMITED TO OSHA, ETC.
- 10 THE CONTRACTOR SHALL CONTACT (IF APPLICABLE) THE ADJACENT PROPERTY OWNERS A MINIMUM OF 24 HOURS IN ADVANCE OF CONSTRUCTION AT THE WORK SITE.
- 11 ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK IS TO START. DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.
- 12 PEDESTRIAN TRAFFIC AREAS MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS MAY NOT BE REROUTED ONTO PRIVATE PROPERTY.
- 13 NO EQUIPMENT OR MATERIALS SHALL BE STORED OR PERMITTED TO STAND UNPROTECTED WHERE TRAFFIC IS MAINTAINED.
- 14 NO EQUIPMENT OR MATERIALS SHALL BE STORED ON ROAD SURFACE DURING NON-WORKING PERIODS.
- 15 NO EQUIPMENT OR MATERIALS SHALL BE STORED ON SIDEWALK AT ANY TIME.
- 16 EXCAVATION MATERIAL SHALL BE STORED AWAY FROM THE PAVED ROADWAY. ALL SPILLED MATERIAL IS TO BE PICKED UP IMMEDIATELY.
- 17 EXISTING SIGNS, DELINEATORS, GUARDRAILS, MARKERS, TREES, SHRUBS, FENCES, WALKS, STEPS, ETC. THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE REPLACED OR RESTORED TO THEIR ORIGINAL CONDITION OR TO THE SATISFACTION OF THE ENGINEER, PROPERTY OWNER, CITY, COUNTY, STATE, AND/OR OTHER AGENCY HAVING AUTHORITY/JURISDICTION.
- 18 CITY, COUNTY, STATE ROAD SIGNS, DELINEATORS, GUARDRAILS, ETC. SHALL NOT BE REMOVED.
- 19 MINIMUM 12 INCH CLEARANCE FROM ALL STRUCTURES UNDERGROUND.
- 20 IN THE EVENT OF ANY DRIVEWAYS, ANY REQUIRED REMOVAL AND REPLACEMENT, THE MINIMUM THICKNESS OF REPLACEMENT CONCRETE SHALL BE 5 INCHES. DRIVEWAYS WILL BE REPLACED WITH LIKE KIND.

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NO.	DATE	ENG. DESIGN
2-2-18		AS-BUILT
11-13-13		ORIGINAL
DRAWING		COMMENT
<b>Level(3)</b> ENGINEERS		
LEVEL 3 ENGINEER KEITH HALL		
ENGINEERING FIRM SOUTHFIELD SERVICES		
PROJECT NUMBER		
LOCATION: FM 1533 WESTPARK EXTENSION - HOUSTON, TX		
DRAWING NAME		
SHEET 2A 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 @ 800-545-6005 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 @ 832-394-8098.
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 THERETO. 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 @ 800-545-6005 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 LAW, SECTION 752, 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 THE LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY @ 713-267-2222.

## ::CAUTION:: UNDERGROUND GAS

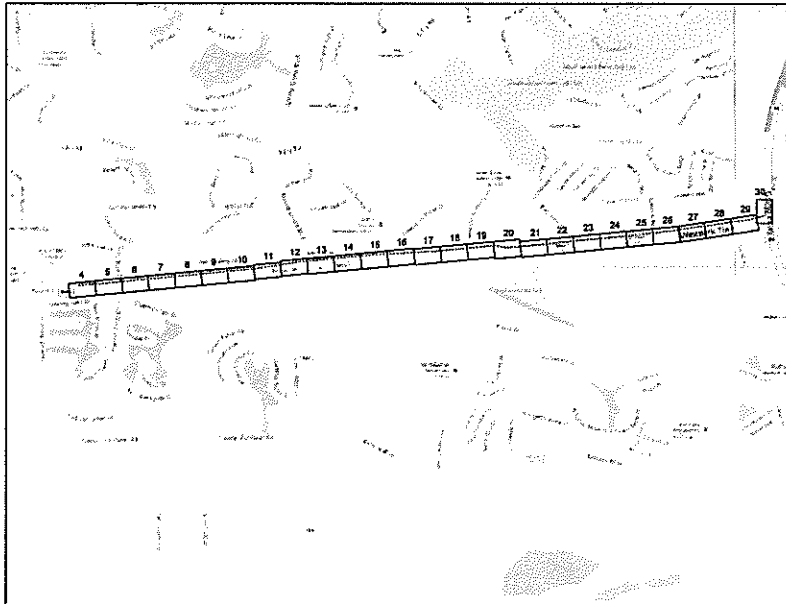
LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTERSTATE PIPELINE LLC WHERE APPLICABLE) ARE SHOWN IN APPROXIMATE LOCATION ONLY. SERVICES LINES ARE NOT USUALLY SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATION COMMITTEE @ 713-223-4567 OR 800-669-8344 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 713-997-8037 (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.

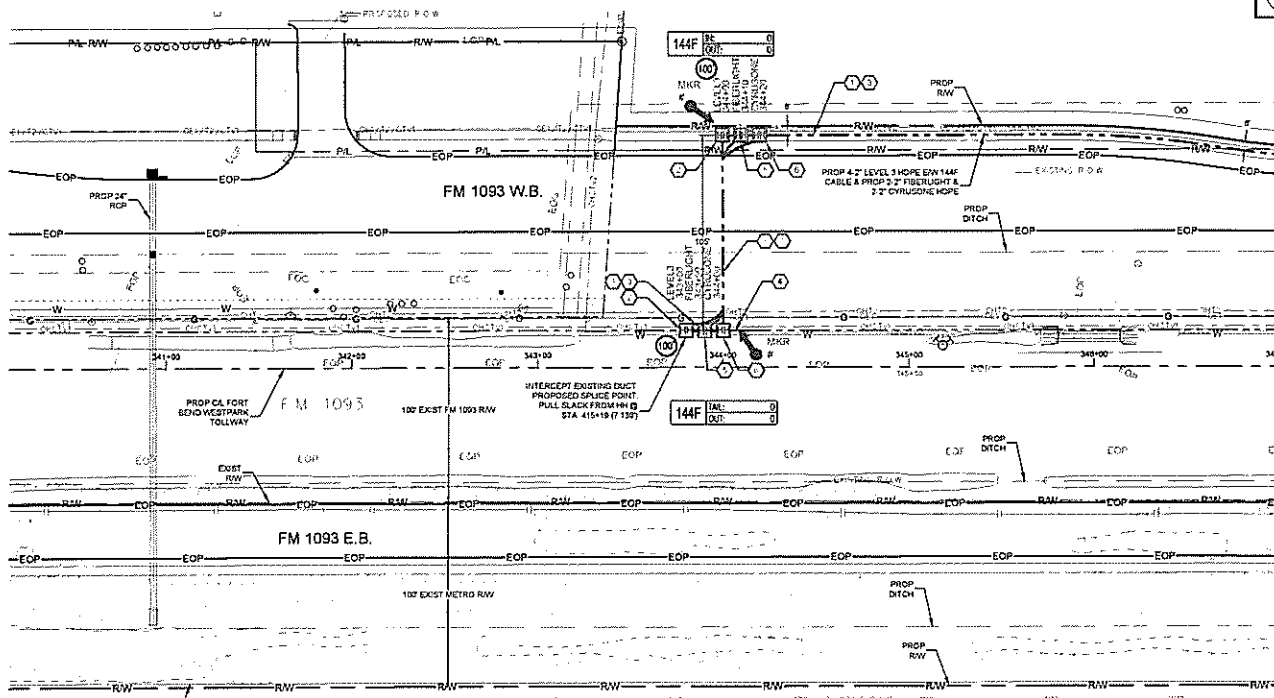
1		
2		
3		
NO	DATE	ENG. DESIGN
21-12-18		AS-BUILT
11-12-15		ORIGINAL
DATE	BY	COMMENT
<b>Level(3)</b> CORPORATION		
LEVEL 3 ENGINEER KEITH HALL		
ENGINEERING FIRM GOLDEN FIELD SERVICES		
PROJECT NUMBER		
LOCATION: FM 1033 WEST PARK EXTENSION - HOUSTON, TX		
DRAWING TITLE		
SHEET 28 OF 31		
CONFIDENTIAL-PROPRIETARY		

# INDEX SHEET



3		
2		
1		
NO.	DATE	ENG. DESIGN
2-2-18		AP-BULL
11-15-18		ORIGINAL
12-15-18		REVISION
12-15-18		REVISION
		
LEVEL 3 ENGINEER: KEITH HALL		
ENGINEERING FIRM: GOLDEN FIELD SERVICES		
PROJECT NUMBER: 181001001		
LOCATION: 284 TOWN CENTER PARK EXTENSION - HOUSTON, TX		
DRAWING NAME:		
SHEET 3 OF 31		
CONFIDENTIAL/PROPRIETARY		

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
1. VERIFY OVERHEAD CONDUIT LOCATIONS. CONDUIT OFF 8' CONDUIT TYPE NOTE: BUSH 8-2" HOPE
  2. LEVEL INVOLE - 2 COL. 100' 1-144F IN COL. 100'
  3. CABLE PILES: 144F CABLE OWNER LEVELS CABLE LENGTH 425'
  4. CABLE PILES: 144F CABLE OWNER LEVELS CABLE LENGTH 300' NOTES: REMOVE 144F CABLE
  5. FIBERLIGHT INVOLE - 2
  6. CROSSING INVOLE - 2

- 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/ BROWN STRIPE
  - 2" FIBERLIGHT
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2-2" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

SEE SHEETS 5 TO MATCH SURVEY STA. 347+00

Page Take Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HOPE SDR 9	FT	425	
MAT-80270 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	6	
MAT-92020 - 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	425	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	425	
UGB-30060-S - PLACE UP TO 239 COUNT FOC IN CONDUIT UP TO 1500' (200' IN COL)	FT	655	
UGB-31270-S - PLACE NEW .30"x48"x36" - NON-CONCRETE HANDHOLE	EA	6	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	300	
UGB-30930-S - INTERCEPT CONDUIT WYE CAST 2"	EA	1	
UGB-31890-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,835	

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  
1-800-541-4355  
48 HOURS NOTICE REQUIRED

**Level 3**

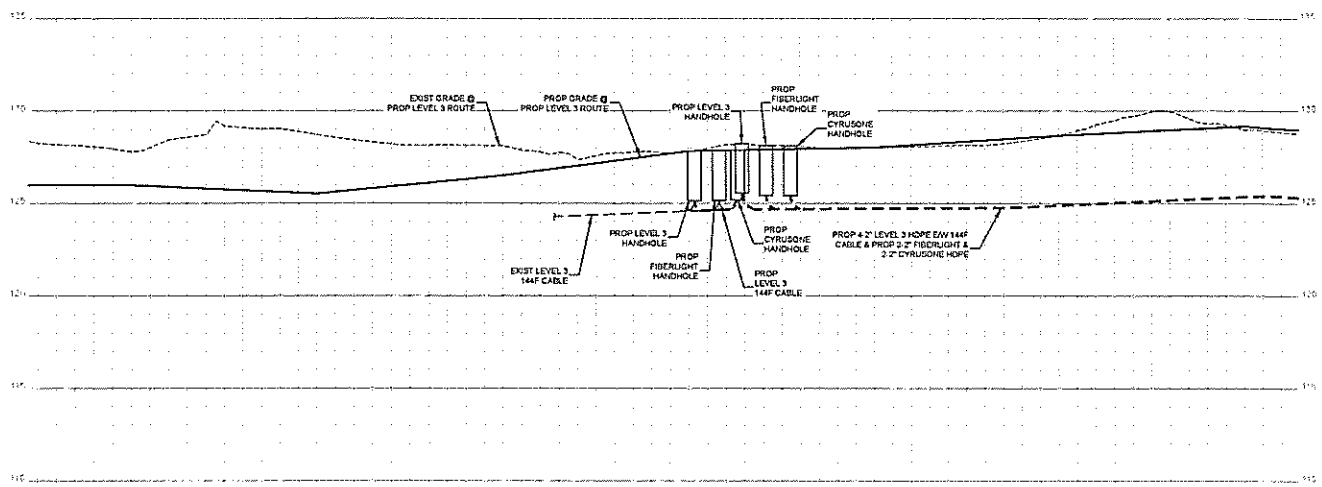
LEVEL 3 ENGINEER  
16714 HALL  
ENGINEERING FIRM  
CONDUIT FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING DATE

SCALE: HOR. 1"=50'  
SHEET: 4 OF 31  
CONTRACT NUMBER: 144F

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:**  
CONTRACTOR MUST SUPPLY ALL HOPE COMPONENTS AS NOTED BELOW
- 8-2" 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
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    - BLACK W/ GREY STRIPE

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11-13-13		ORIGINAL
DRAWING	COMMENT	

**Level(3)**  
CORPORATION

LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER  
LOCATION: F8 1023 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING TITLE

SCALE: VERT 1"=5'

SHEET 4A OF 31

CONFIDENTIAL/PROPRIETARY



CALL BEFORE YOU DIG  
1-800-543-6005  
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) CABLE OWNER LEVELS  
CONDUIT LENGTH 144F  
CABLE STR. 8  
CONDUIT SIZE 3  
CABLE TYPE EDP  
NOTE: TRENCH 8-2" HOPE
- 2) CABLE OWNER LEVELS  
CONDUIT LENGTH 144F  
CABLE ORDER LEVELS  
CABLE LENGTH 144F
- 3) CABLE OWNER LEVELS  
CABLE ORDER LEVELS  
CABLE LENGTH 144F  
NOTE: REMOVE 144F CABLE

- 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/ BROWN STRIPE
  - 2" FIBERLIGHT
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" CYRUSDIE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

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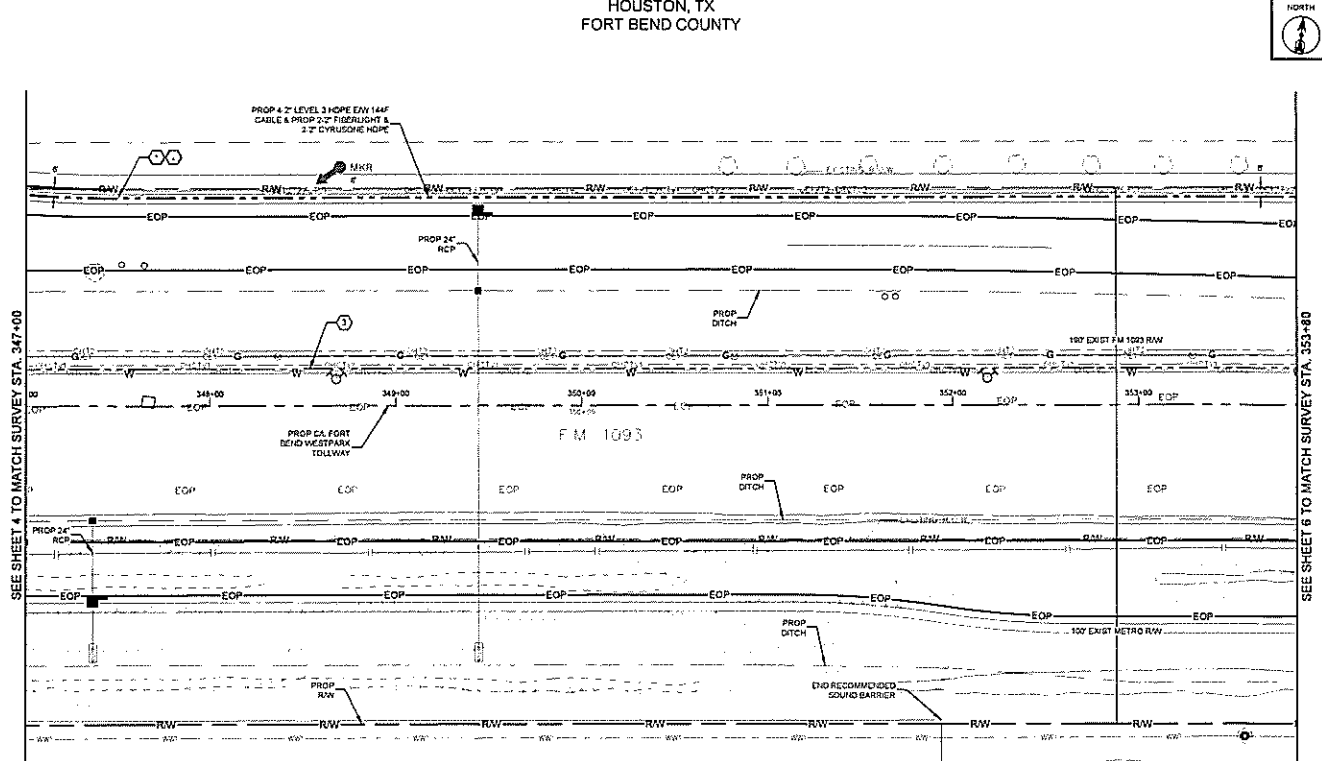
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SEE SHEET 4 TO MATCH SURVEY STA. 347+00

SEE SHEET 6 TO MATCH SURVEY STA. 353+00

Page Rate Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HOPE SDR 9	FT	680	
MAT-92020 - WARNING TAGS AND/OR MARKERS	EA	1	

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



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

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXHIBIT. 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)**  
ENGINEERING

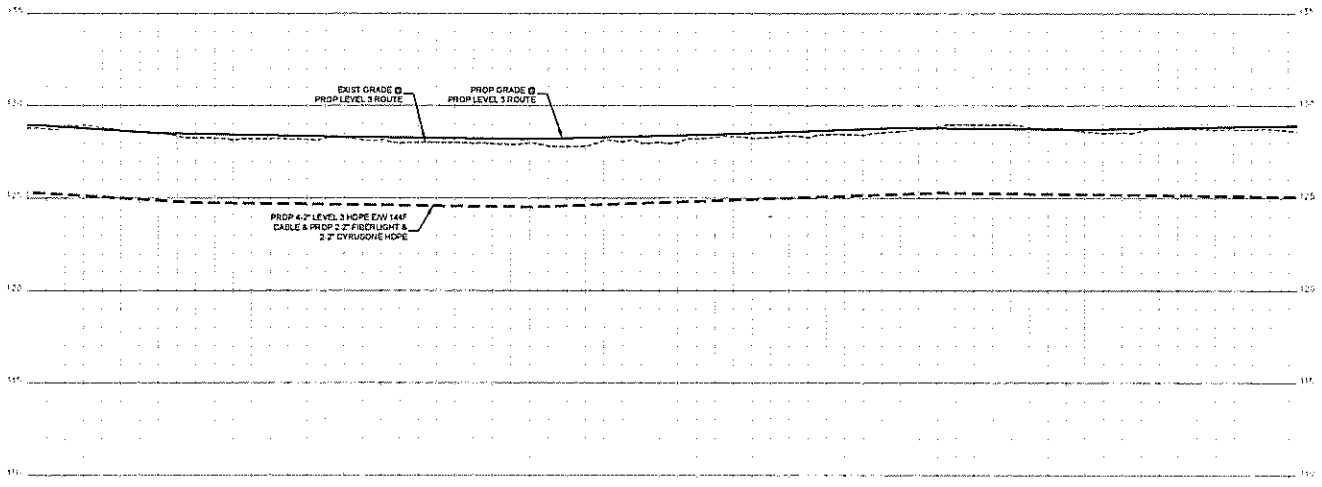
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEER-IN-CHARGE  
GOLDEN FIELDS SERVICE  
PROJECT INCHARGE  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING DATE:

SCALE: HOR 1"=60'  
SHEET 5 OF 31  
CONFIDENTIAL/RESTRICTED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE COMPONENTS AS  
NOTED BELOW
- 4" HOPE CONFIGURATION:  
4" LEVEL(3)
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
- 2" FIBERGLASS HOPE
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" CYRUSCHE
  - BLACK W/ WHITE STRIPE
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2	11-13-15	ORIGINAL
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**Level(3)**  
ENGINEERING

LEVEL 3 ENGINEER  
KEITH HILL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1093 WC ST PARK  
EXTENSION - HOUSTON, TX

DRAWING MADE

SCALE: VERT. 1"=2'

SHEET SA OF 31

CSW/SEN/ALP/ROD/MS/TAK



CALL BEFORE YOU DIG  
1-800-543-6005  
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 LEVEL 3  
CONDUIT LENGTH 250'  
CONDUIT CTY. B  
CONDUIT SIZE 2"  
CONDUIT TYPE HOPE  
NOTES: SEE 8-2" HOPE
- 2 PROPOSED BOXIT
- 3 CONDUIT OWNER LEVEL 3  
CONDUIT LENGTH 450'  
CONDUIT CTY. B  
CONDUIT SIZE 2"  
CONDUIT TYPE HOPE  
NOTES: SEE 8-2" HOPE
- 4 CABLE (SEE 144F)  
CABLE OWNER LEVEL 3  
CABLE LENGTH 500'
- 5 CABLE (SEE 144F)  
CABLE OWNER LEVEL 3  
CABLE LENGTH 500'  
NOTES: 40MM 144F CABLE

- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8-2" HOPE CONFIGURATION
- 4-2" LEVEL(S)
- 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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  - BLACK W/ GREY STRIPE

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**Level(3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEER-IN-CHARGE  
GOLDEN FELD SERVICES

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

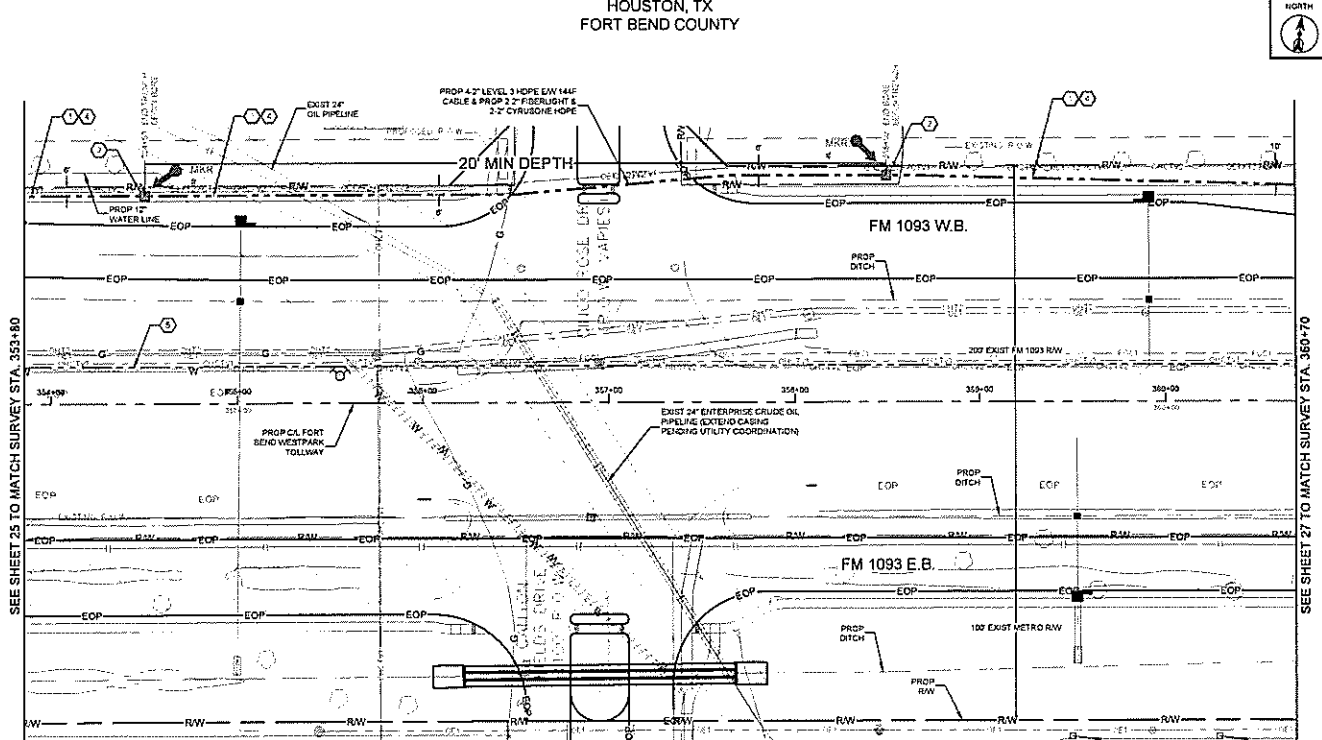
DRAWING NAME

SCALE: HGR. 1"=50'

SHEET: 6 OF 31

DATE: 11/13/15

COMPILED BY: JEFFREY LAY



SEE SHEET 25 TO MATCH SURVEY STA. 353+80

SEE SHEET 27 TO MATCH SURVEY STA. 360+70

Page Make Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-2" HOPE SDR 2	FT	500	
MAT-02030 - 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	200	
UGB-30140-S - PLACE 1- HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	200	
UGB-30250-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30250-S - PLACE UP TO 255 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31600-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31070-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30350-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,030	
UGB-30700-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.

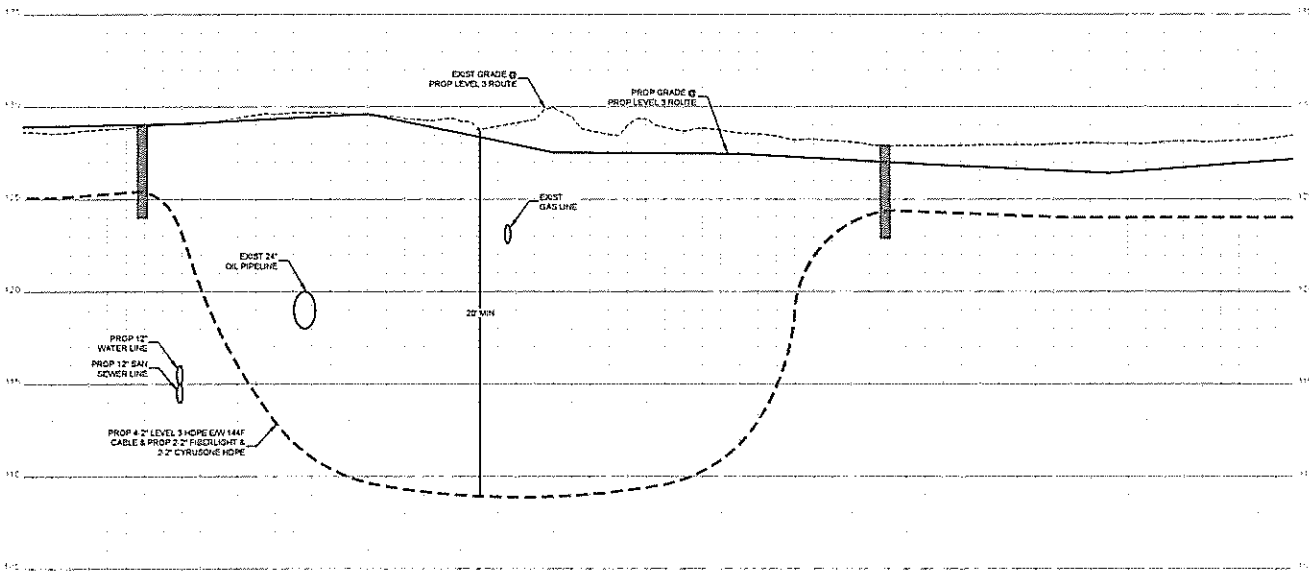


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1-800-547-6005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY ALL HOPE COORDS AS NOTED BELOW
- 8" HOPE CONFIGURATION**
- 4" (LEVEL 0)
  - 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	ENG. DESIGN
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1	3-2-18	ORIGINAL
2	11-12-18	CONTRACT

**Level(3)**  
CORPORATION

LEVEL 3 ENGINEER  
KETH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER  
LOCATION: TX ISSUES/PARK  
EXTENSION - HOUSTON, TX  
DRAWING NAME

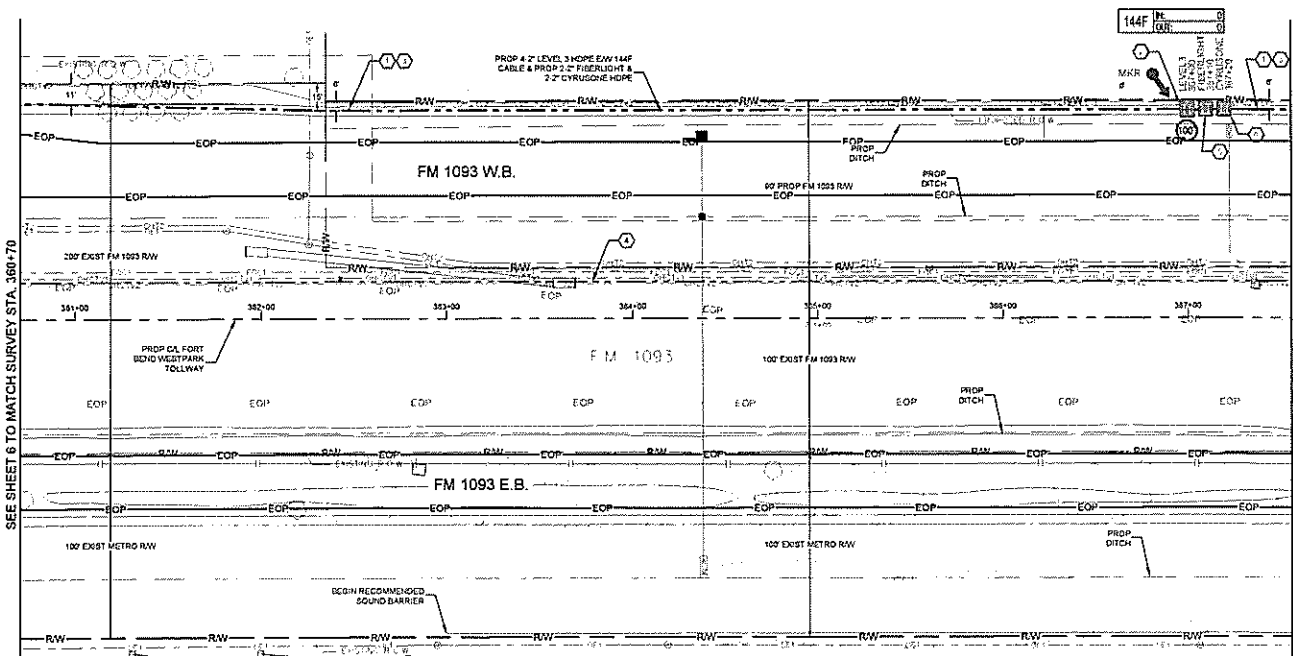
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SHEET GA OF 31  
CONTRACTUAL/PROPRIETARY

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  
1-800-545-6003  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



SEE SHEET 6 TO MATCH SURVEY STA. 360+70

SEE SHEET 9 TO MATCH SURVEY STA. 367+60

CONSTRUCTION NOTES

- 1 CONDUIT OVER LEVELS  
CONDUIT LENGTH 600'  
CONDUIT DIA. 8"  
CONDUIT TYPE HOPE  
NOTE: TRENCH 8-2" HOPE
- 2 LEVELS IN VEHICLE  
CON. 100' 1-144F IN 101
- 3 CABLE TRENCH: 144F  
CABLE OWNER: LEVELS  
CABLE LENGTH: 700'
- 4 CABLE TRENCH: 144F  
CABLE OWNER: LEVELS  
CABLE LENGTH: 400'  
NOTES: REMOVE 144F CABLE  
NEEDLE IN VEHICLE
- 5 ORANGE IN VEHICLE

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/ BROWN STRIPE
- 2-2" FIBERLIGHT
- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 2-2" CYRUSONE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

**Level3**  
LEVELS ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING NAME

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

Page Name Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-02100 - CONDUIT 8-2" HOPE EDR-8	FT	630	
MAT-00970 - TIE IN 30"x45"x30" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-02000 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Name Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	630	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	630	
UGB-30000-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COILS)	FT	780	
UGB-31270-S - PLACE 1/2" 30"x45"x30" NON-CONCRETE HANDHOLE	EA	3	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31000-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,830	



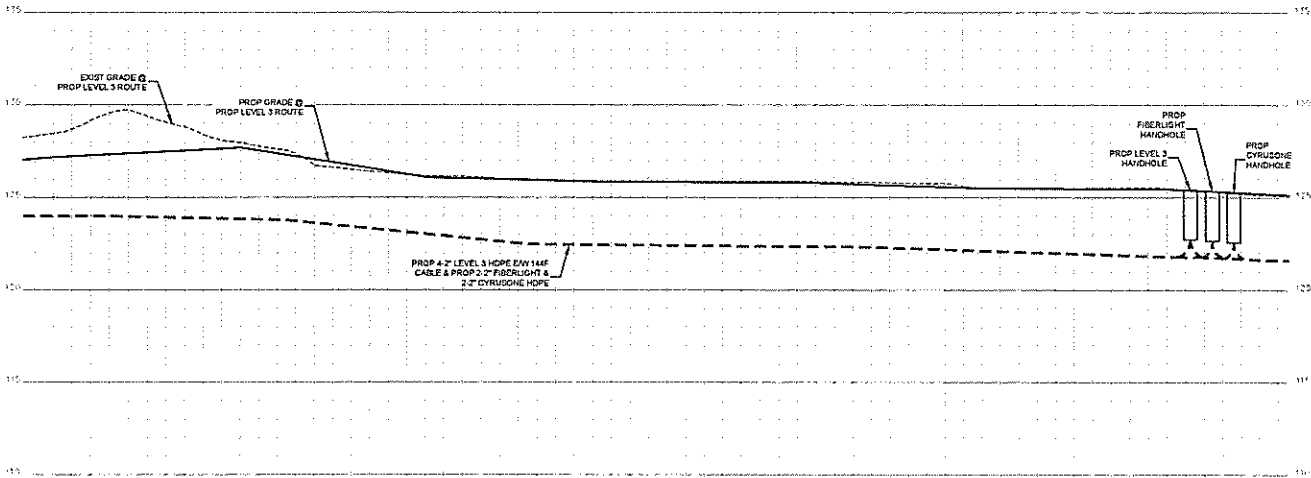
CALL BEFORE YOU DIG  
1-800-4-A-DIG  
48 HOURS NOTICE REQUIRED

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.

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
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LEVEL 3 ENGINEER  
METH HALL  
ENGINEERING FIRM  
SOLUTION FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1023 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING DATE

SCALE: VERT 1\"/>

SHEET 7A OF 31  
EDUCATIONAL REPRESENTATIVE

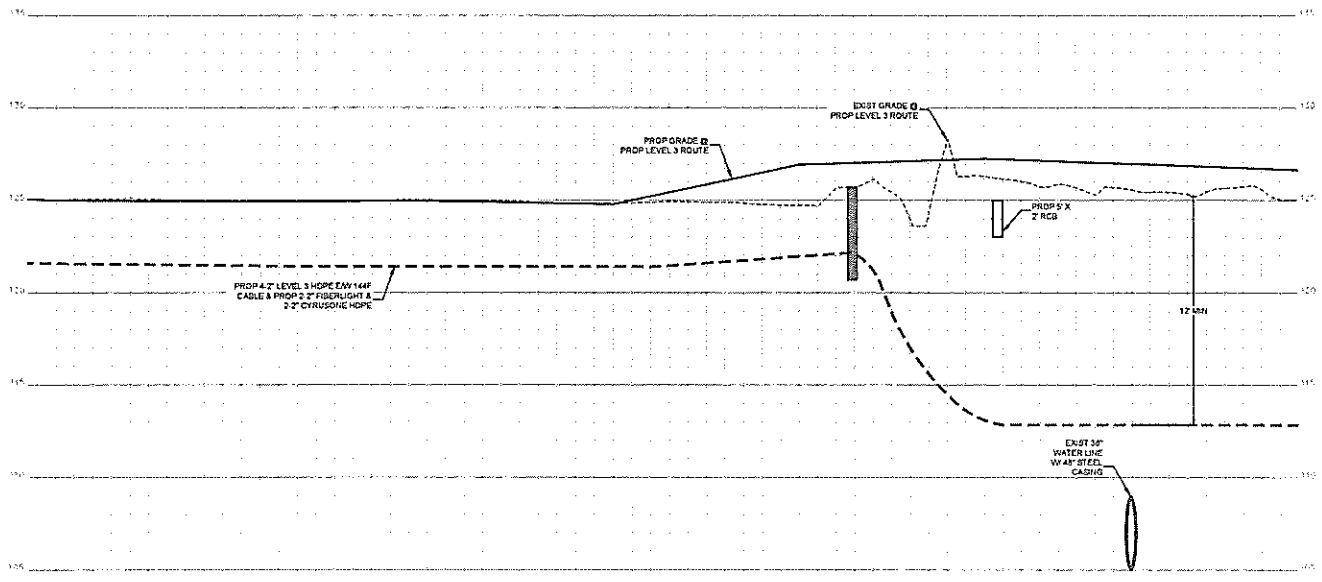
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CALL BEFORE YOU DIG  
1-800-545-6025  
48 HOURS NOTICE REQUIRED



HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
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2	11-13-15	ORIGINAL
3		COMMENT



LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
COUNCIL FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1033 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING NAME

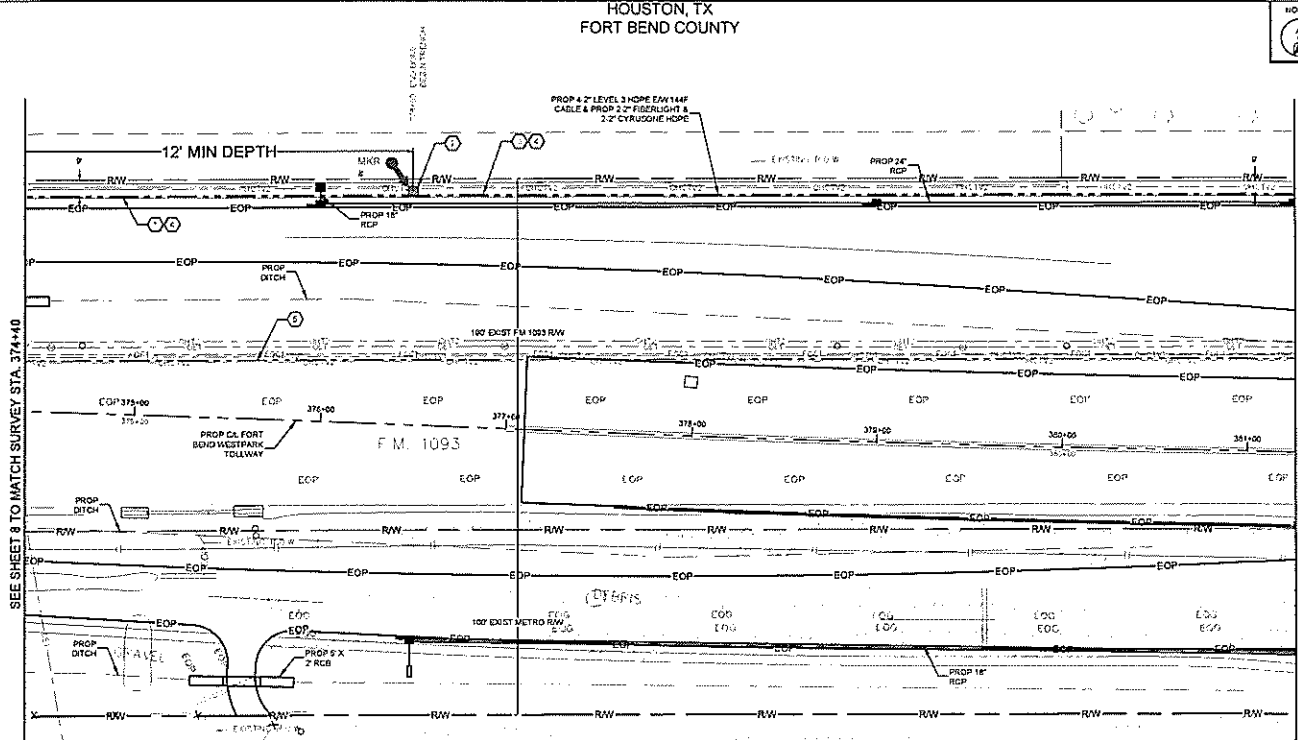
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SHEET 2A OF 31  
CONFIDENTIAL/PROPRIETARY

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  
1-800-545-6009  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
- CONDUIT OWNER LEVELS  
CONDUIT UNDER 210'  
CONDUIT CITY B  
CONDUIT SIZE 2"  
CONDUIT TYPE HDPE  
NOTES: BENCH 8-2" HDPE
  - PROPOSED BURETS
  - CONDUIT OWNER LEVELS  
CONDUIT UNDER 400'  
CONDUIT CITY B  
CONDUIT SIZE 2"  
CONDUIT TYPE HDPE  
NOTES: BENCH 8-2" HDPE
  - CABLE PIPES: 114F  
CABLE OWNER: LEVELS  
CABLE UNDER 500'
  - CABLE PIPES: 114F  
CABLE OWNER: LEVELS  
CABLE UNDER 500'  
NOTES: REMOVE 114F CABLE

SEE SHEET 8 TO MATCH SURVEY STA. 374+40

SEE SHEET 10 TO MATCH SURVEY STA. 381+30

Page Name Off - Materials			
Unit Code & Description	UNITS	Estimated Quantity	Actual Quantity
MAT-00120 - CONDUIT 8-2" HDPE SDR 9	FT	630	
MAT-00200 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Name Off - Work Performed			
Unit Code & Description	UNITS	Estimated Quantity	Actual Quantity
UGB-30255-S - TRENCH GREATER THAN 1200' TRENCH 45" MINIMUM COVER	FT	450	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	450	
UGB-30250-S - DIRECTIONAL BORE GREATER THAN 1200' 1 HDPE CONDUIT UP TO 2"	FT	210	
UGB-30250-S - PLACE UP TO 288 COUNT FOC IN CONDUIT. UP TO 1500'	FT	630	
UGB-31040-S - EXCAVATE SMALL PIT 6'X4'X2'	EA	1	
UGB-31050-S - REMOVE AND DISPOSE OF 1 114F CABLE	EA	620	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,320	
UGB-30700-S - DIR. BORE GREATER THAN 1200' 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  
1-800-545-0055  
48 HOURS NOTICE REQUIRED

**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/ BROWN STRIPE
- 2-2" FIBERLIGHT
- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 2-2" CYRUSONE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

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NO	DATE	ENG. DESIGN
1		AS-BUILT
2-3-18		REVISION # 1
11-13-13		ORIGINAL
DRAWING		COMMENT

**Level 3**

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
SOUTHWEST FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE: HOR. 1"=50'

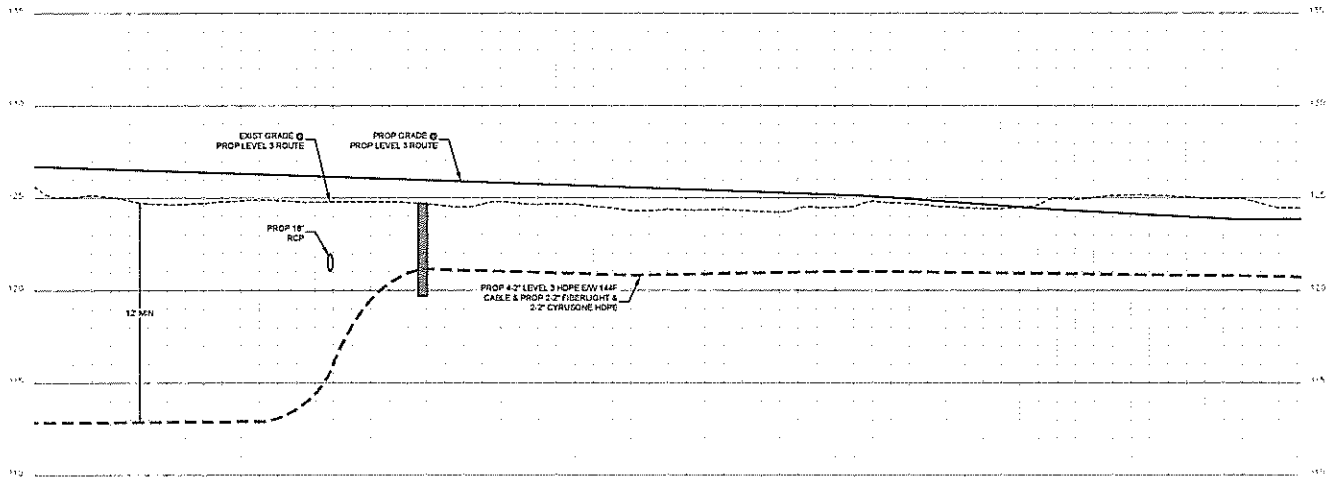
SHEET 9 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



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

NO	DATE	END REASON
1		
2		
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**Level(3)**  
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: W 10590 STEPHAN  
EXTENSION, HOUSTON, TX  
DRAWING NAME

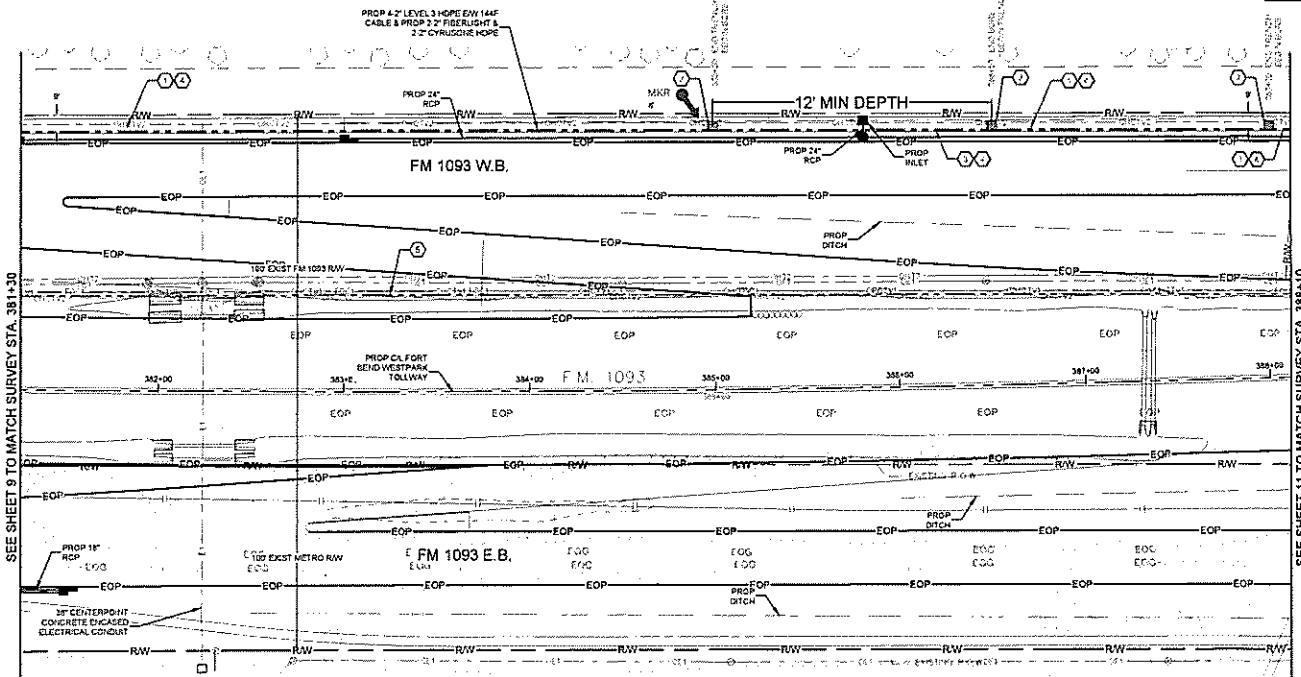
SCALE: VERT. 1"=5'  
SHEET 9A OF 31  
CONFIDENTIAL/PROPRIETARY

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  
1-800-541-0205  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
1. CONDUIT OVER LEVELS  
CONDUIT LENGTH 150'  
CONDUIT SIZE 4"  
CONDUIT TYPE EDR  
NOTE: REMOVE 8-2" HOPE
  2. CONDUIT OVER LEVELS  
CONDUIT LENGTH 150'  
CONDUIT SIZE 4"  
CONDUIT TYPE EDR  
NOTE: BORE 8-2" HOPE
  3. CABLE PITS: 144"  
CABLE OVER LEVELS  
CABLE LENGTH 500'
  4. CABLE PITS: 144"  
CABLE OVER LEVELS  
CABLE LENGTH 500'  
NOTE: REMOVE 144" CABLE

- CONTRACTOR NOTE:**  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8" HOPE CONFIGURATION
  - 4" LEVEL(3)
  - 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
  - 2" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

SEE SHEET 9 TO MATCH SURVEY STA. 381+30

SEE SHEET 11 TO MATCH SURVEY STA. 388+10

Page Range Of - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-09150 - CONDUIT 8-2" HOPE EDR-9	FT	650	
MAT-92020 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Range Of - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-32258-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	520	
UGB-33148-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	520	
UGB-30200-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	100	
UGB-30200-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6'x4'x2'	EA	3	
UGB-31955-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	500	
UGB-31800-S - PLACE LOCATE MARKER POST	EA	1	
UGB-32150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3 640	
UGB-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1 120	



CALL BEFORE YOU DIG  
1-800-545-6025  
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)**

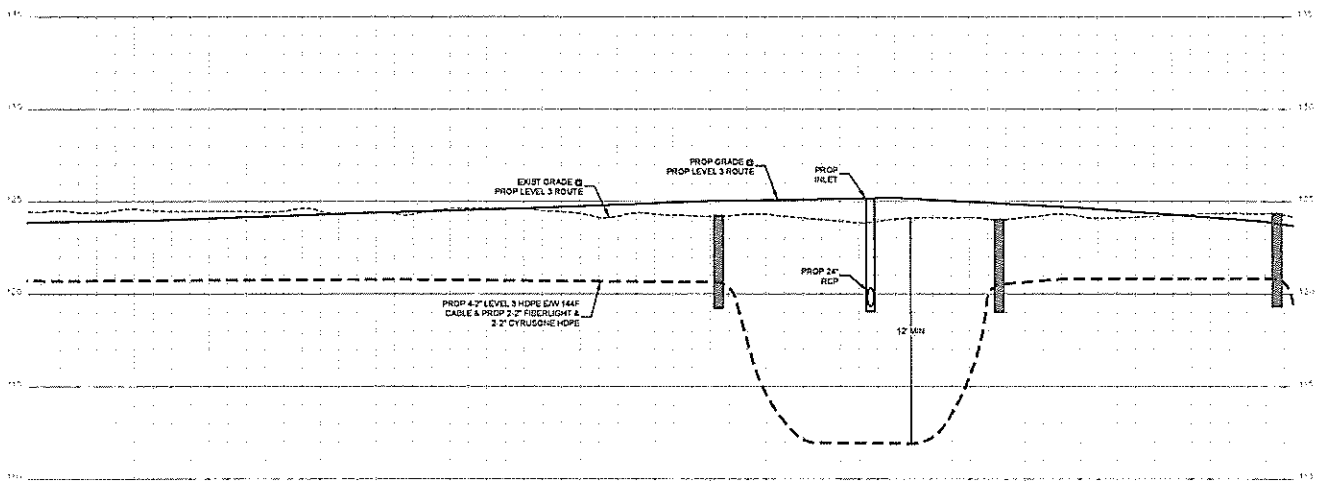
LEVEL 3 ENGINEER  
KETH HALL  
ENGINEERING FIRM  
GOLDER FRED SERVICES  
PROJECT NUMBER:  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING NAME:

SCALE: HORIZ. 1"=50'  
SHEET 10 OF 31  
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 8\"/>
  - 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	ENG. REASON
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LEVEL 3 ENGINEER  
KATH HALL  
ENGINEERING FIRM  
SOLUTION FIELD SERVICES  
PROJECT NUMBER  
LOCATION FM 1033 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING NAME

SCALE: VERT 1\"/>

SHEET 10A OF 31

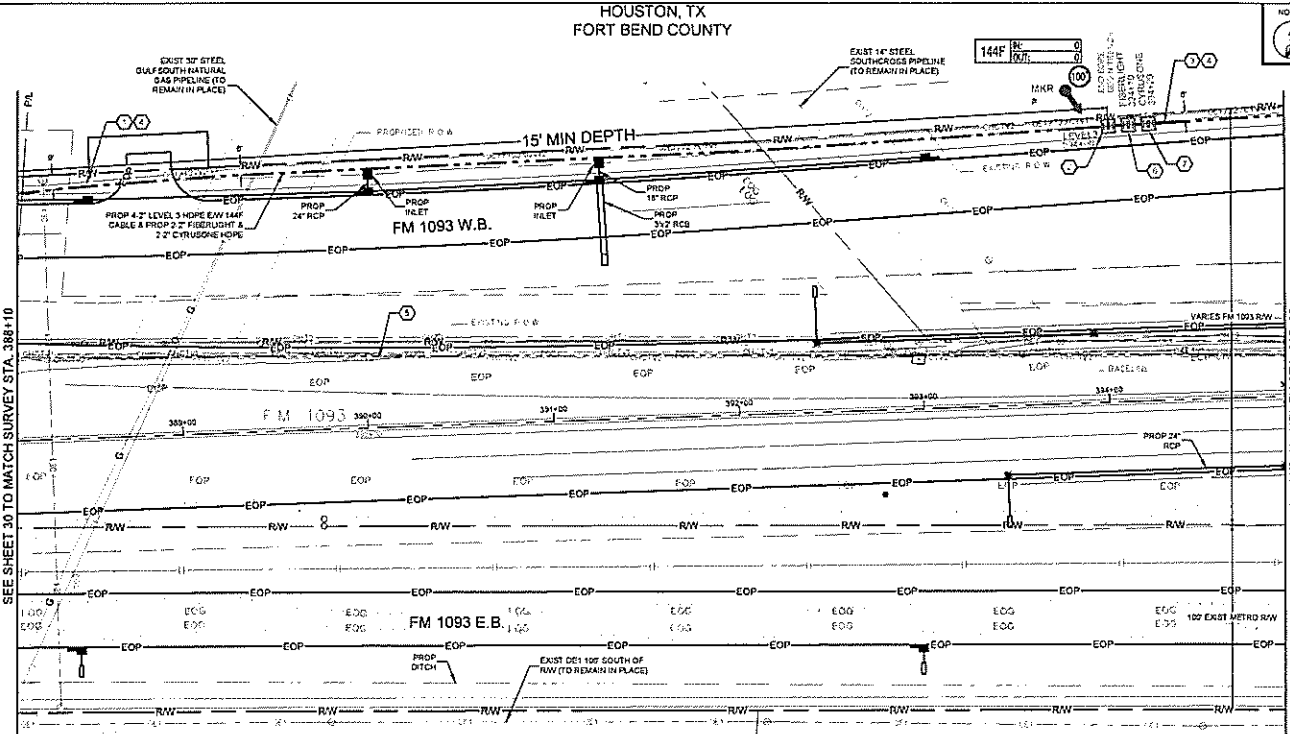
CONFIDENTIAL/PROPRIETARY



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  
1-800-545-6005  
48 HOUR NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



- CONSTRUCTION NOTES**
1. CONDUIT OVER LEVELS  
CONDUIT LENGTH 560'  
CONDUIT SIZE 8"  
CONDUIT TYPE HOPE  
NOTE: SEE 8-2" HOPE
  2. LEVELS IN WHOLE  
CONDUIT LENGTH 100'
  3. CONDUIT OVER LEVELS  
CONDUIT LENGTH 100'  
CONDUIT SIZE 8"  
CONDUIT TYPE HOPE  
NOTE: TRENCH 8-2" HOPE
  4. CABLE MARKS 144F  
CABLE OVER LEVELS  
CABLE LENGTH 190'
  5. CABLE MARKS 144F  
CABLE OVER LEVELS  
CABLE LENGTH 190'  
NOTE: REMOVE 144F CABLE
  6. FIBERLIGHT IN WHOLE
  7. CYRUSONE IN WHOLE

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

- 8-2" HOPE CONFIGURATION:  
4-2" LEVELS (L)
- 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

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**Level 3**  
LEVEL 3 ENGINEERING

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
CONSULTING SERVICES

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

DRAWING NAME

SCALE: HCR 1"=50'

SHEET 11 OF 31

CONFIDENTIAL/PROPRIETARY

Page Take Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HOPE BDR-S	FT	850	
MAT-80970 - TIER 15.30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-92020 - 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	100	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	100	
UGB-30020-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	500	
UGB-30050-S - PLACE UP TO 288 COUNT FCC IN CONDUIT UP TO 1500' (100' IN COLL)	FT	700	
UGB-31270-S - PLACE NEW .30"x48"x36" - NON-CONCRETE HANDHOLE	EA	3	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31090-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	700	
UGB-30760-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4100	

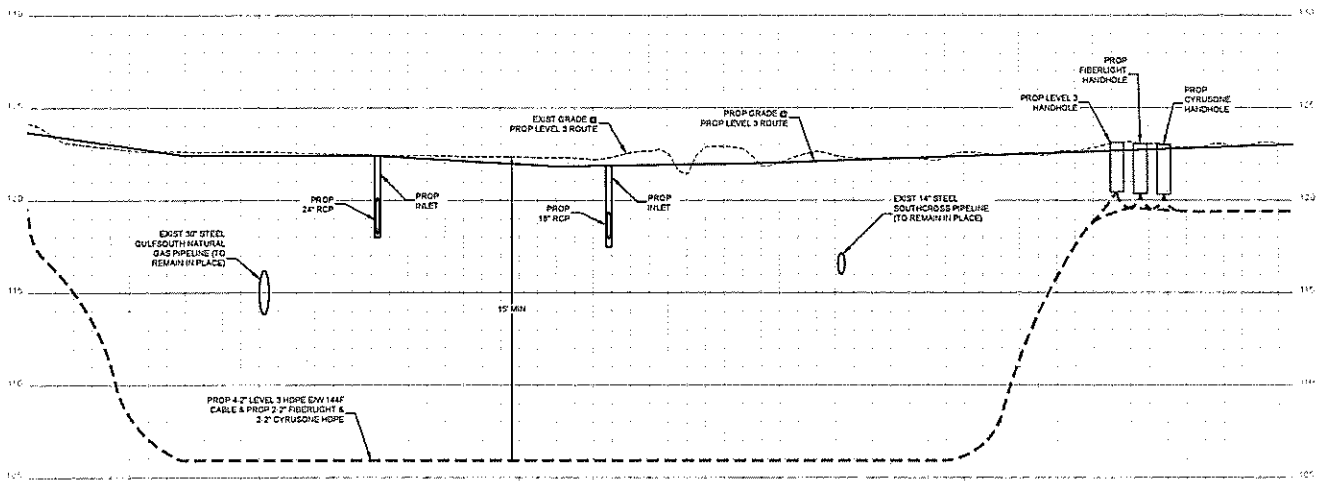


UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE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

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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NO.	DATE	THE REASON
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2	11-13-13	REVISION # 1
11-13-13		ORIGINAL
DRAWING		COMMENT

**Level(3)**  
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
SOLUTION FIELD SERVICES

PROJECT NUMBER  
LOCATION: FM 1003 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING NUMBER:

SCALE: VERT 1\"/>

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.

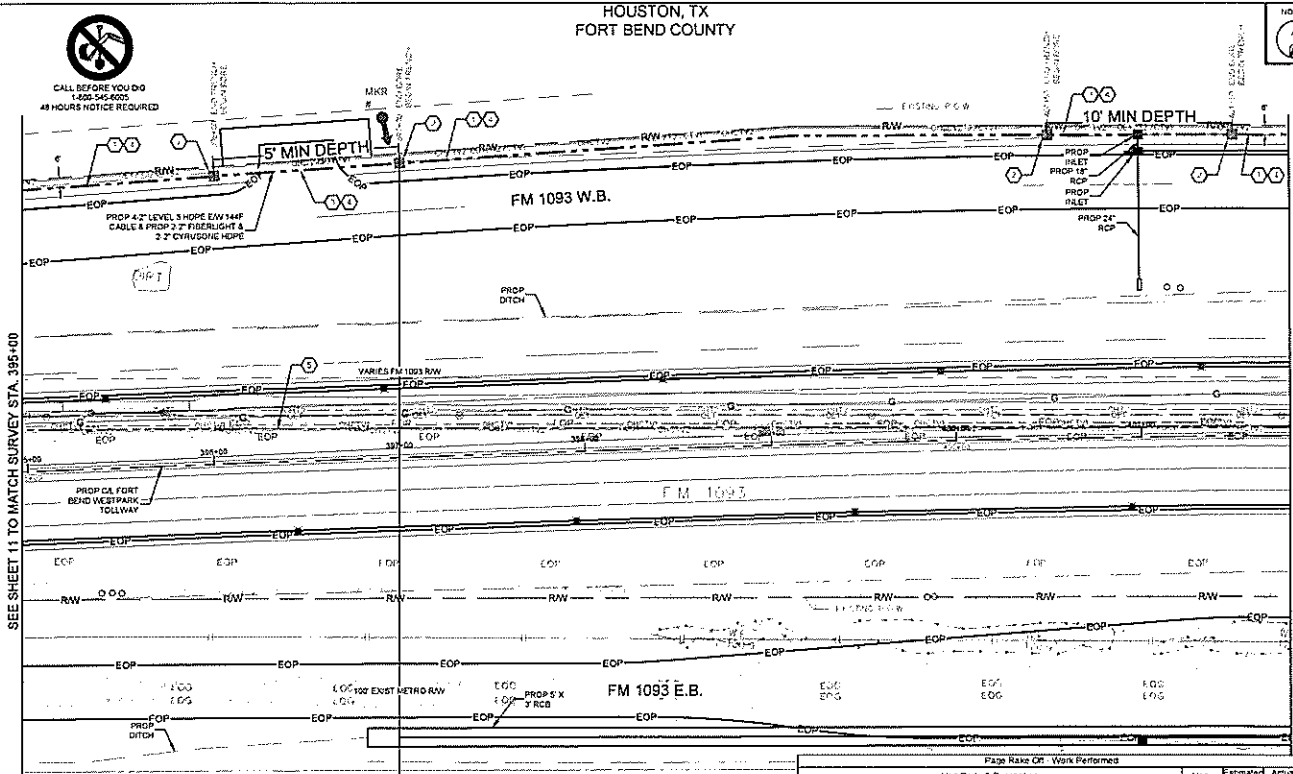


CALL BEFORE YOU DIG  
1-800-545-6000  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



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



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 450'  
CONDUIT CTY: 8  
CONDUIT SIZE: 4"  
CONDUIT TYPE: HDPE  
NOTE: TRENCH 8-2" HDPE
- 2 PROPOSED SDR9S
- 3 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 200'  
CONDUIT CTY: 8  
CONDUIT SIZE: 4"  
CONDUIT TYPE: HDPE  
NOTE: HOPE 3-2" HDPE
- 4 CABLE IDERS: 144F  
CABLE OWNER LEVELS  
CABLE LENGTH: 500'
- 5 CABLE IDERS: 144F  
CABLE OWNER LEVELS  
CABLE LENGTH: 500'  
NOTE: REMOVE 144F CABLE

CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONFIGURATIONS AS  
NOTED BELOW.

- 8-2" HOPE CONFIGURATION  
4-2" LEVEL(S)
- 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
  - 3-2" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GRAY STRIPE

SEE SHEET 11 TO MATCH SURVEY STA. 395+00

SEE SHEET 13 TO MATCH SURVEY STA. 401+80

Page Blank CR - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 CONDUIT 8-2" HDPE SDR 9	FT	650	
MAT-00200 WARNING TAGS AND/OR MARKERS	EA	1	

Page Blank CR - 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 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	450	
UGB-30890-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HDPE CONDUIT UP TO 2"	FT	200	
UGB-30950-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT EXR205	EA	4	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,300	
UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,400	

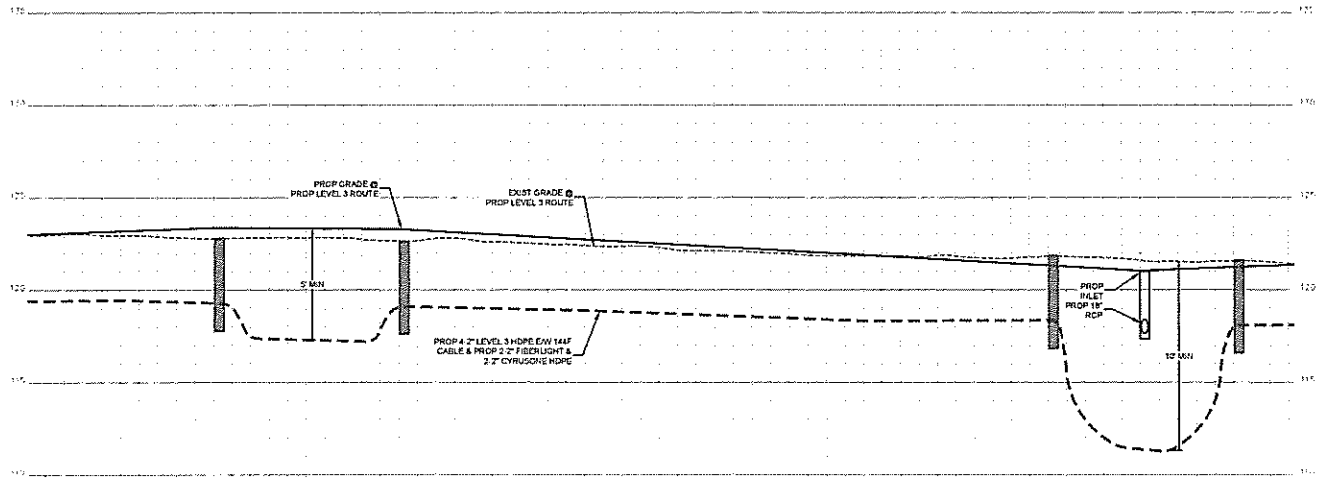
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE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

**Level(3)**  
LEVEL ENGINEER  
KETH HALL  
ENGINEERING FIRM  
SOUTH FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING TITLE  
SCALE: HQR 1"=40'  
SHEET 12 OF 31  
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HDPE COUPLERS AS  
NOTED BELOW
- 8\"/>

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NO	DATE	ENG DESIGN
7-2-18		AS-BUILT
11-13-15		ORIGINAL
DRAWING		COMMENT



LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
GOLDEN FIELDS SERVICES  
PROJECT NUMBER  
LOCATION # 1033 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING NAME

SCALE: VERT 1"=5'  
SHEET 12A OF 31  
EODR 0001/ALP/01/01/01/01/01/01



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  
1-800-543-6005  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



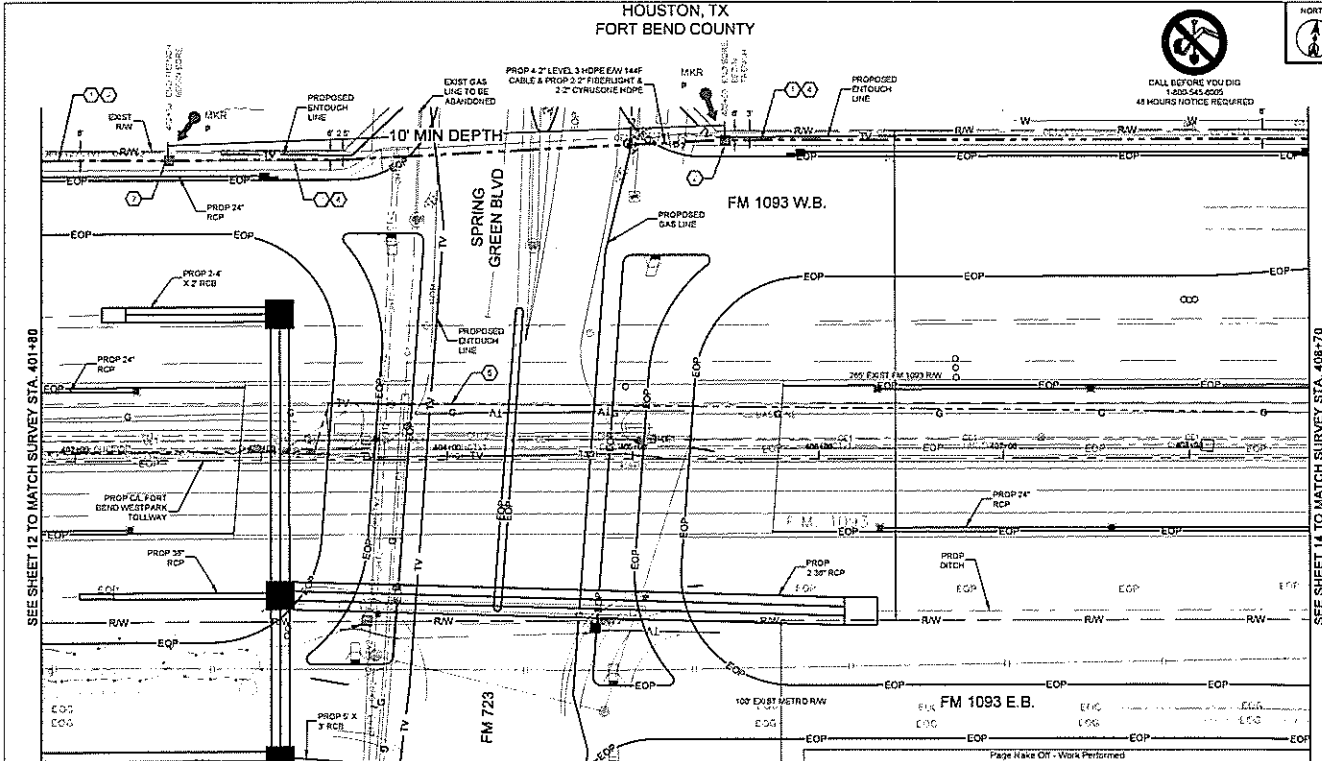
CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 497'  
CONDUIT SIZE 8"  
CONDUIT TYPE HOPE  
NOTES: REMOVE 8-2" HOPE
- 2 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 207'  
CONDUIT SIZE 8"  
CONDUIT TYPE HOPE  
NOTES: REMOVE 8-2" HOPE
- 3 CABLE OWNER LEVELS  
CABLE LENGTH 697'
- 4 CABLE OWNER LEVELS  
CABLE LENGTH 697'

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" CYRUSONE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE



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-00150 - CONDUIT 8" HOPE SDR-3	FT	600	
MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	2	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-10050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	450	
UGB-10140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	400	
UGB-10090-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	200	
UGB-10095-S - PLACE UP TO 288 COUNT FOD IN CONDUIT UP TO 1500'	FT	600	
UGB-11640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-11650-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-11050-S - PLACE & LOCATE MARKER POST	EA	2	
UGB-10150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,430	
UGB-10700-S - D/R BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,400	

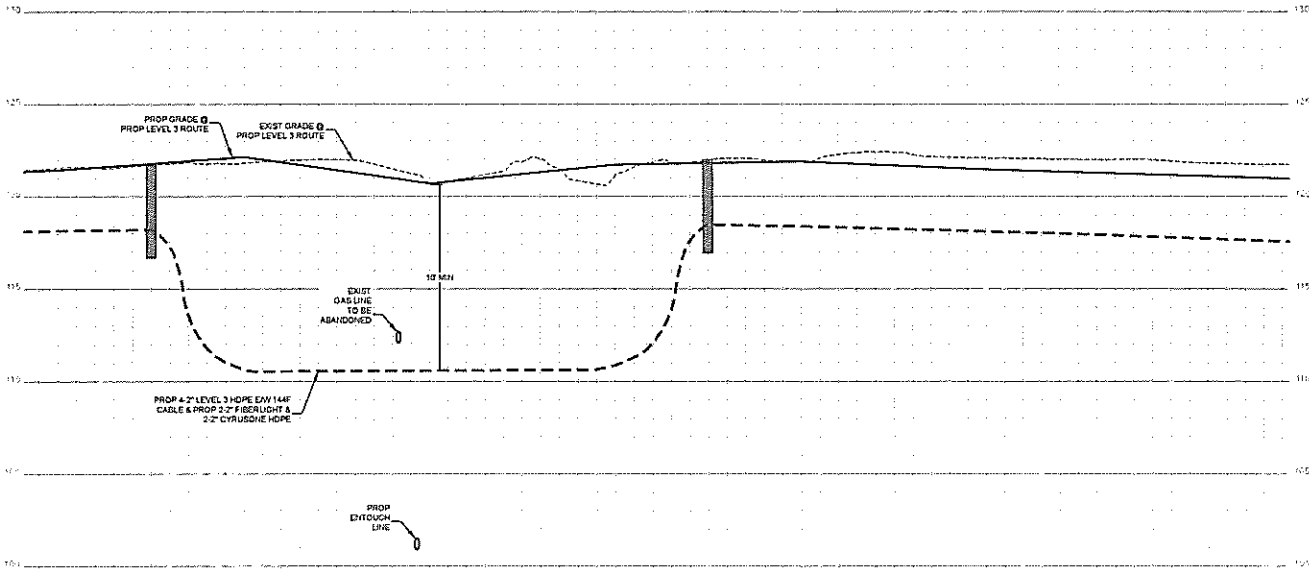
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Level(3)  
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
SOLE PROPRIETOR  
PROJECT NUMBER  
LOCATION FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING DATE  
SCALE HOR 1"=50'  
SHEET 13 OF 31  
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE COORDINATES AS  
NOTED BELOW
- 6\"/>

NO	DATE	END BY/ON
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DRAWING	COMMENT
11-12-13	ORIGINAL

**Level(3)**  
LEVEL ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
LOCATION FIELD SERVICES  
PROJECT MANAGER  
LOCATION: 14110 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING NAME:

SCALE: VERT 1"=5'  
SHEET 13A OF 31  
CONFIDENTIAL/PROPRIETARY

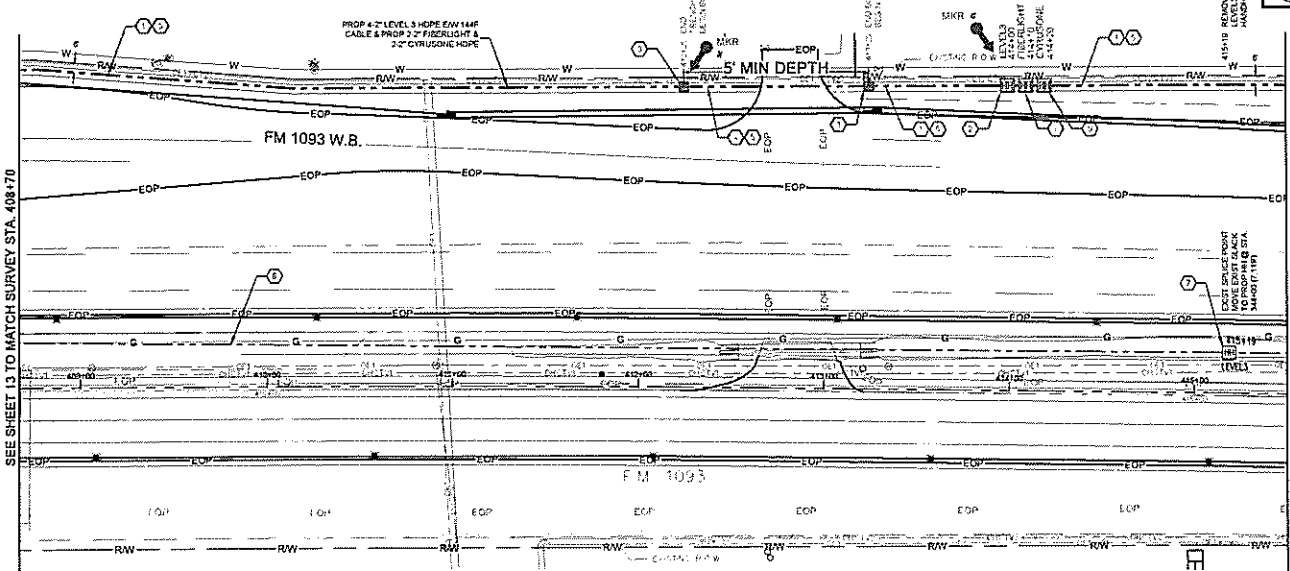
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UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL  
DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG  
1-800-542-6205  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY

144F  
REV  
DATE



CONSTRUCTION NOTES

- 1 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 300'
- 2 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 3 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 4 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 5 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 6 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 7 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 8 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 9 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 10 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 11 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 12 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 13 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 14 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 15 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 16 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 17 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 18 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 19 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'
- 20 CONCRETE OWNER LEVELS  
CONCRETE LENGTH 100'

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

- 6\"/>

Page Break Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00120 - CONDUIT 8\"/>			

Page Break Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30250-S - TRENCH GREATER THAN 1500\"/>			

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)**  
LEVEL 3 ENGINEER  
14141 W. WINDYBROOK DRIVE  
HOUSTON, TX 77040

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
CONSTRUCTION SERVICES

PROJECT NUMBER

LOCATION FM 1093 WESTPARK  
EAST TOWNSHIP, HOUSTON, TX

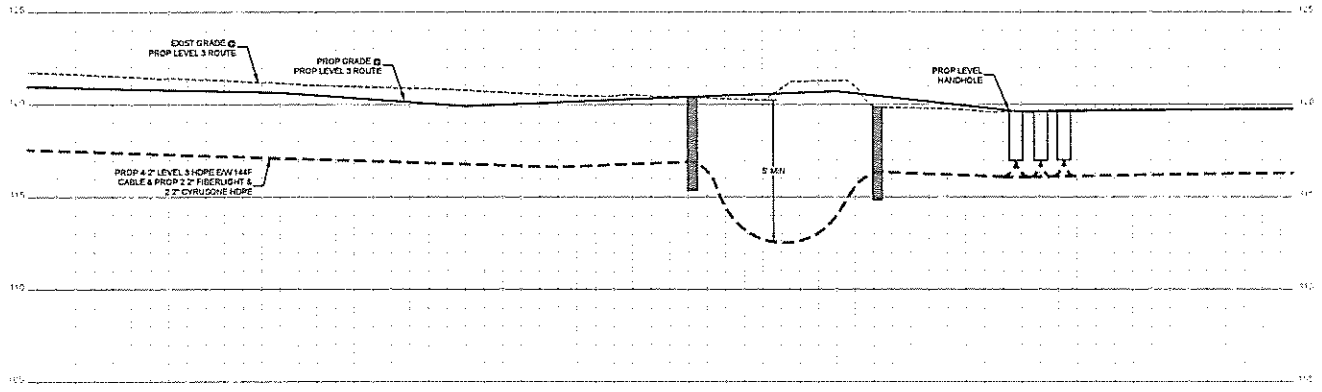
DRAWING NAME

SCALE HOR 1\"/>

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY ALL HDPE CONDUITS AS NOTED BELOW
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  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
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  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE**

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2-2-18		AS-BUILT
11-13-15		REVISION / 1
DATE		COMMENT

**Level(3)**  
CORPORATION

LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
CONCRETE FIELD SERVICES  
PROJECT NUMBER  
LOCATION 18105 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING MADE

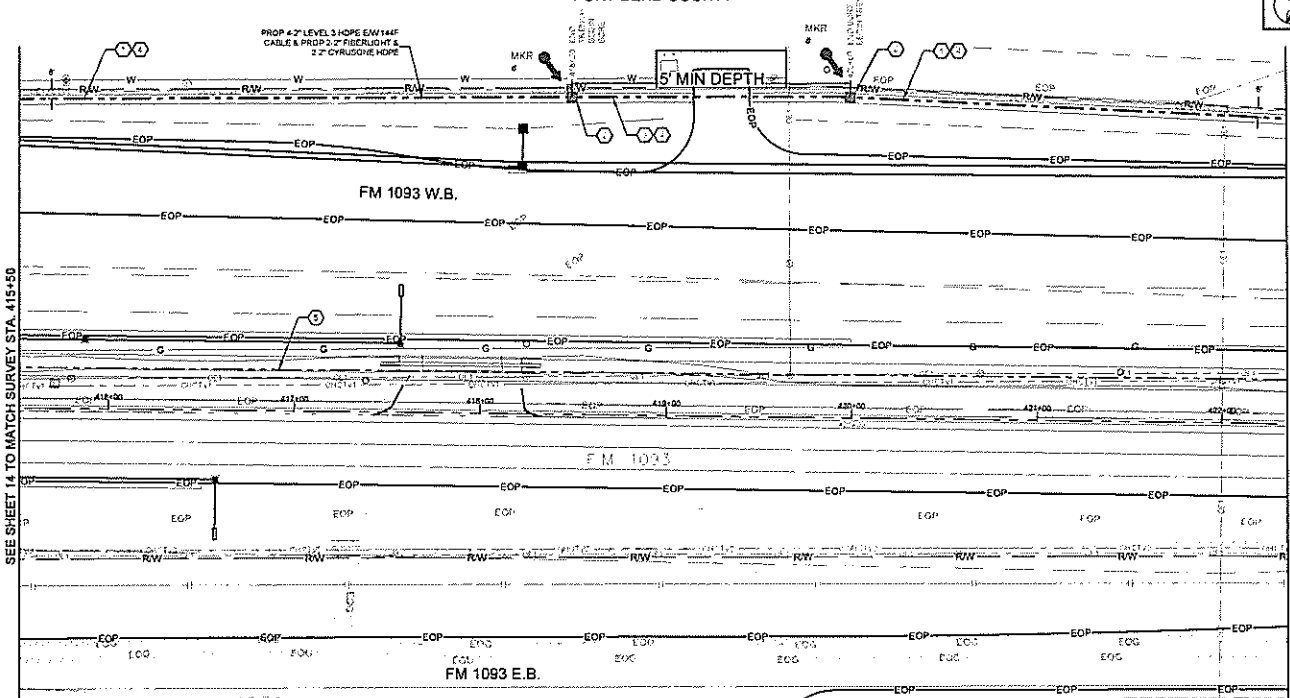
SCALE VERT 1"=5'  
SHEET 14A OF 31  
ES&P/ENTL/PROJ/RY/ARY

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  
1-800-545-6200  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OVER LEVELS  
CONDUIT LENGTH 550'  
CONDUIT SIZE 2"  
CONDUIT TYPE HOPE  
NOTES: BORE 6"-2" HOPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OVER LEVELS  
CONDUIT LENGTH 150'  
CONDUIT SIZE 2"  
CONDUIT TYPE HOPE  
NOTES: BORE 6"-2" HOPE
- 4 CABLE PROPS: 144F  
CABLE OVER LEVELS  
CABLE LENGTH: 650'
- 5 CABLE FIBERS: 144F  
CABLE OVER LEVELS  
CABLE LENGTH: 650'  
NOTES: RESERVE 144F CABLE

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

- 6" HOPE CONFIGURATION  
4" LEVEL(D)
- 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

SEE SHEET 14 TO MATCH SURVEY STA. 415+50

SEE SHEET 16 TO MATCH SURVEY STA. 422+30



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.

Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8" HOPE SDR-9	FT	650	
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 42" MINIMUM COVER	FT	550	
UGB-30140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	550	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	150	
UGB-30050-S - PLACE UP TO 258 COUNT FDC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6X4X5	EA	2	
UGB-31050-S - REMOVE AND DISPOSE OF 144F CABLE	FT	650	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,710	
UGB-30700-S - D.R. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,050	

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2-3-14	REVISION # 1	
11-15-13	ORIGINAL	
DRAWING	COMMENT	

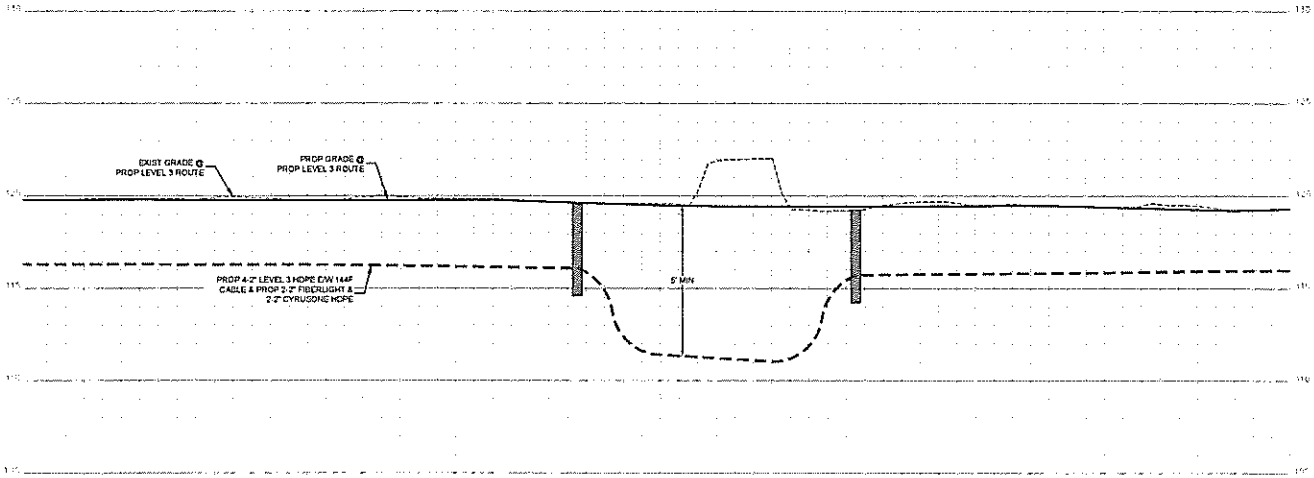
**Level(3)**  
LEVEL ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
CONCRETE FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING DATE

SCALE: HOR 1"=50'  
SHEET 15 OF 31  
CONFIDENTIAL/AS PER T&E

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



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

NO.	DATE	END REASON
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**Level(3)**  
ENGINEERING

LEVEL ENGINEER  
KEITH HALL

ENGINEERING FIRM  
SOLOSH FIELD SERVICES

PROJECT NUMBER

LOCATION # 16103 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE VERT 1"=5'

SHEET 15A OF 31

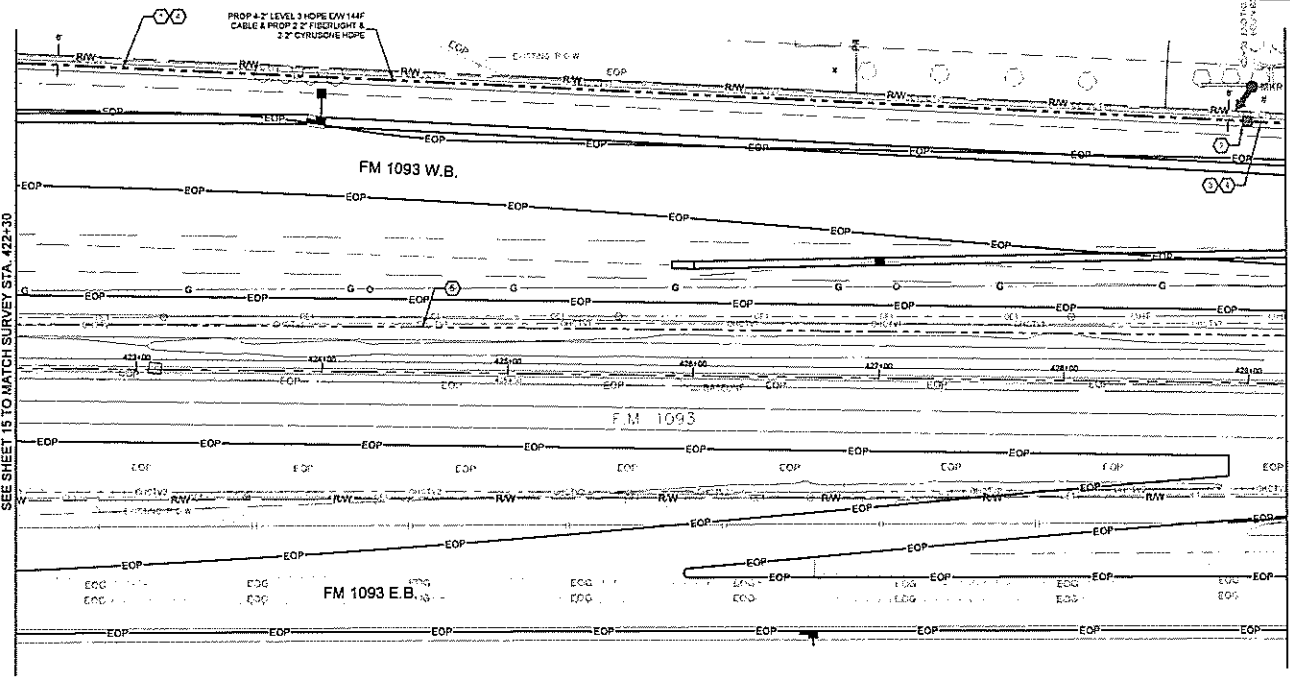
EQUIVALENT/PROPRIETARY



CALL BEFORE YOU DIG  
1-800-545-6095  
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**
- CONDUIT OWNER LEVELS  
CONDUIT LENGTH 600'  
CONDUIT STD. 8"  
CONDUIT SIZE 2"  
CONDUIT TYPE HOPE  
NOTES: REMOVE 8-2" HOPE
  - PROPOSED HOPE
  - CONDUIT OWNER LEVELS  
CONDUIT LENGTH 600'  
CONDUIT STD. 8"  
CONDUIT SIZE 2"  
CONDUIT TYPE HOPE  
NOTES: REMOVE 8-2" HOPE
  - CABLE PEGS: 144"  
CABLE OWNER LEVELS  
CABLE LENGTH 600'
  - CABLE PEGS: 144"  
CABLE OWNER LEVELS  
CABLE LENGTH 600'  
NOTES: REMOVE 144" 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 W/ STRIPE
  - BLACK W/ BROWN STRIPE
- 2-2" FIBERGLASS
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
- 2-2" CYRUS/80
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

SEE SHEET 19 TO MATCH SURVEY STA. 422+30

SEE SHEET 20 TO MATCH SURVEY STA. 429+20

Page Make Off - Materials

Unit Code & Description	Units	ESTIMATED QUANTITY	ACTUAL QUANTITY
MAT-80150 - CONDUIT 8-2" HOPE SDR 9	FT	600	
MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Make Off - Work Performed

Unit Code & Description	Units	ESTIMATED QUANTITY	ACTUAL QUANTITY
UGB-30350-5 - 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-30250-5 - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	20	
UGB-30250-5 - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-31640-5 - EXCAVATE SMALL PIT 2'x4'x2'	EA	1	
UGB-31020-5 - REMOVE AND DISPOSE OF 1-144" CABLE	FT	600	
UGB-31550-5 - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-5 - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,600	
UGB-30700-5 - BOR GREATER THAN 1500' ADDITIONAL HOPE UP TO 2"	FT	140	

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

**Level 3**

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
COUNCIL FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING NUMBER

SCALE: HOR. 1"=50'

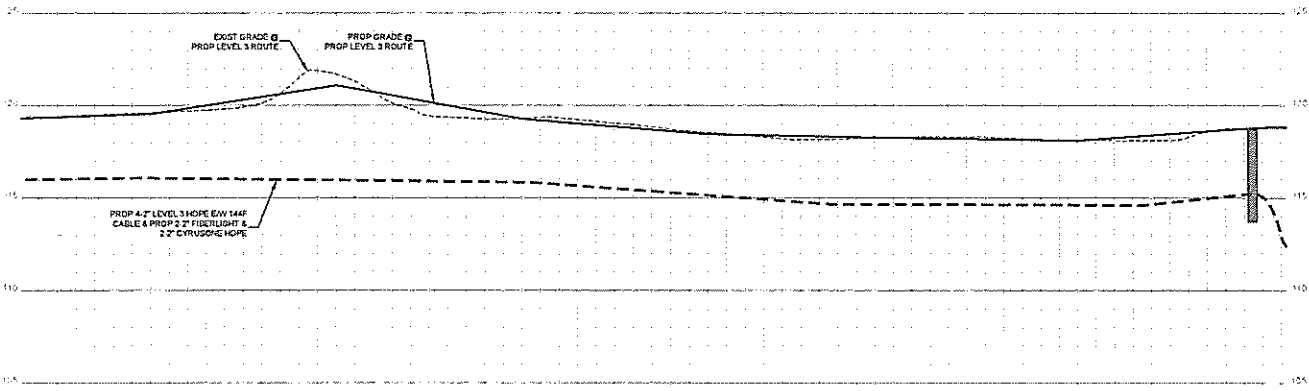
SHEET 16 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

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NO.	DATE	ENG. DESIGN
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**Level(3)**  
LEVEL 3 ENGINEER

LEVEL 3 ENGINEER  
KETH HALL  
ENGINEERING FROM  
GOLDEN FIELDS SERVICE  
PROJECT NUMBER  
LOCATION: FM 1091 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING MADE

SCALE: VERT 1"=5'  
SHEET 16A OF 31  
COPYRIGHT 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 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 350'  
CONDUIT CTS: 8  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-1/2" HOPE  
PROPOSED: 8000'
- 2 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 360'  
CONDUIT CTS: 8  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-1/2" HOPE  
PROPOSED: 8000'
- 3 CABLE PEGS: 144F  
CABLE OWNER LEVELS  
CABLE LENGTH 897'
- 4 CABLE PEGS: 144F  
CABLE OWNER LEVELS  
CABLE LENGTH 897'

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

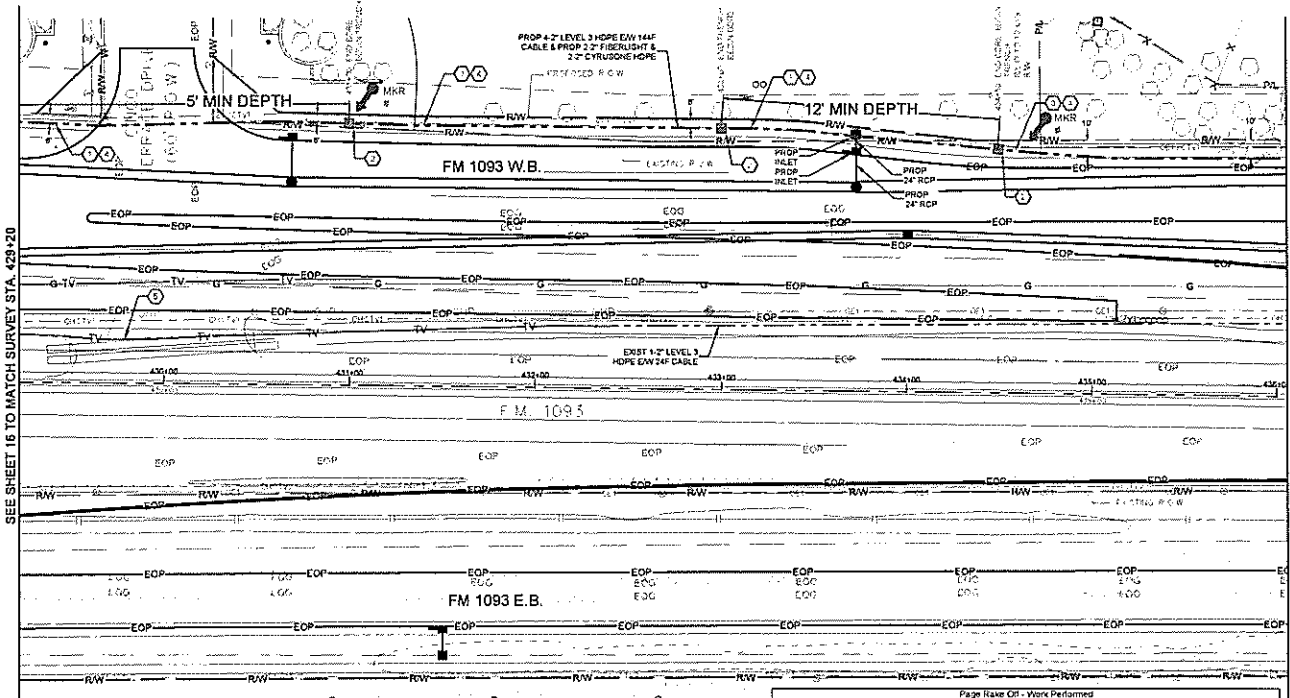
- 8-1/2" HOPE CONFIGURATION
- 4-1/2" LEVELS
- BLACK W/ PURPLE STRIPE
- BLACK W/ ORANGE STRIPE
- BLACK W/ GREEN STRIPE
- BLACK W/ BROWN STRIPE
- 2" FIBERLIGHT
- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 2" CYRUSONE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

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1	11-11-18	REVISION # 1
2	11-15-18	ORIGINAL
DRAWING	COMMENTS	



LEVEL 3  
LEVEL ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
LOCAL FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EX TRENCH, HOUSTON, TX  
DRAWING NUMBER

SCALE: HORIZ 1"=50'  
SHEET 17 OF 31  
CONFIDENTIAL/PROPRIETARY



SEE SHEET 16 TO MATCH SURVEY STA. 429+20

SEE SHEET 18 TO MATCH SURVEY STA. 438+10



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.

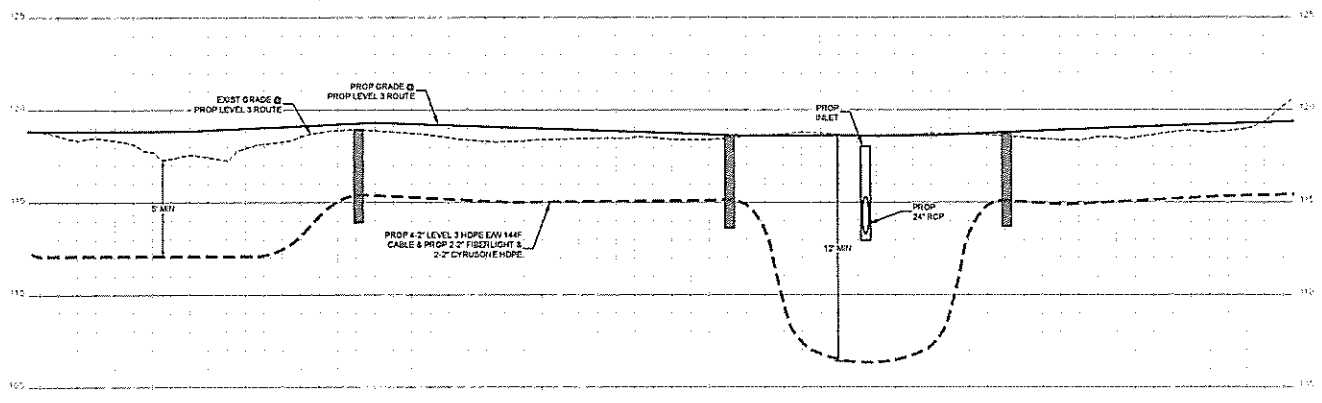
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-50150 - CONDUIT 8" HOPE SDR-9	FT	650	1
MAT-02020 - WARNING TAGS AND/OR MARKERS	EA	2	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGD-30020-S - TRENCH GREATER THAN 1150' TRENCH 48" MINIMUM COVER	FT	350	
UGD-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	350	
UGD-30010-S - DIRECTIONAL BORE GREATER THAN 1500' 1" HOPE CONDUIT UP TO 2"	FT	330	
UGD-30250-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGD-31040-S - EXCAVATE SMALL PIT 6'X4X2'	EA	3	
UGD-31020-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGD-31020-S - PLACE LOCATE MARKER POST	EA	2	
UGD-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,620	
UGD-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2,310	

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HDPE CONDUITS AS  
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    - BLACK W/ GREEN STRIPE
    - BLACK W/ BROWN STRIPE
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NO.	DATE	DESC. REVISION
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11-13-15		ORIGINAL
DATE/TIME	BY	COMMENT

**Level(3)**  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FORT BEND COUNTY  
EXTENSION - HOUSTON, TX  
DRAWING TITLE  
SCALE: VERT. 1"=5'  
SHEET 17A OF 31  
EDG/CE/DEL/PRO/PE/EE/TARY

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  
1-800-545-6009  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT UNDER LEVELS  
CONDUIT UNDER LEVELS 200'  
CONDUIT 6"  
CONDUIT 6"  
CONDUIT TYPE HOPE  
NOTE: BENCH 8-2' HOPE
- 2 LEVELS IN THESE  
COL. LOT 3-144E N 181
- 3 CABLE UNDER 144F  
CABLE UNDER LEVELS  
CABLE UNDER 144F
- 4 CONDUIT UNDER LEVELS  
CONDUIT UNDER LEVELS 400'  
CONDUIT 6"  
CONDUIT 6"  
CONDUIT TYPE HOPE  
NOTE: BENCH 8-2' HOPE
- 5 PROPOSED BOREPIT
- 6 CABLE UNDER 144F  
CABLE UNDER LEVELS  
CABLE UNDER 144F  
NOTE: BENCH 8-2' HOPE
- 7 FLEETLINE VEHICLE
- 8 CYLINDRICAL VEHICLE

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

- 8-2" HOPE CONFIGURATION  
4-2" LEVELS
- 9 BLACK W/ PURPLE STRIPE
- 10 BLACK W/ ORANGE STRIPE
- 11 BLACK W/ GREEN STRIPE
- 12 BLACK W/ BROWN STRIPE
- 13 2" FIBERLIGHT
- 14 BLACK W/ RED STRIPE
- 15 BLACK W/ BLUE STRIPE
- 16 2" C/RUSKONE
- 17 BLACK W/ WHITE STRIPE
- 18 BLACK W/ GREY STRIPE

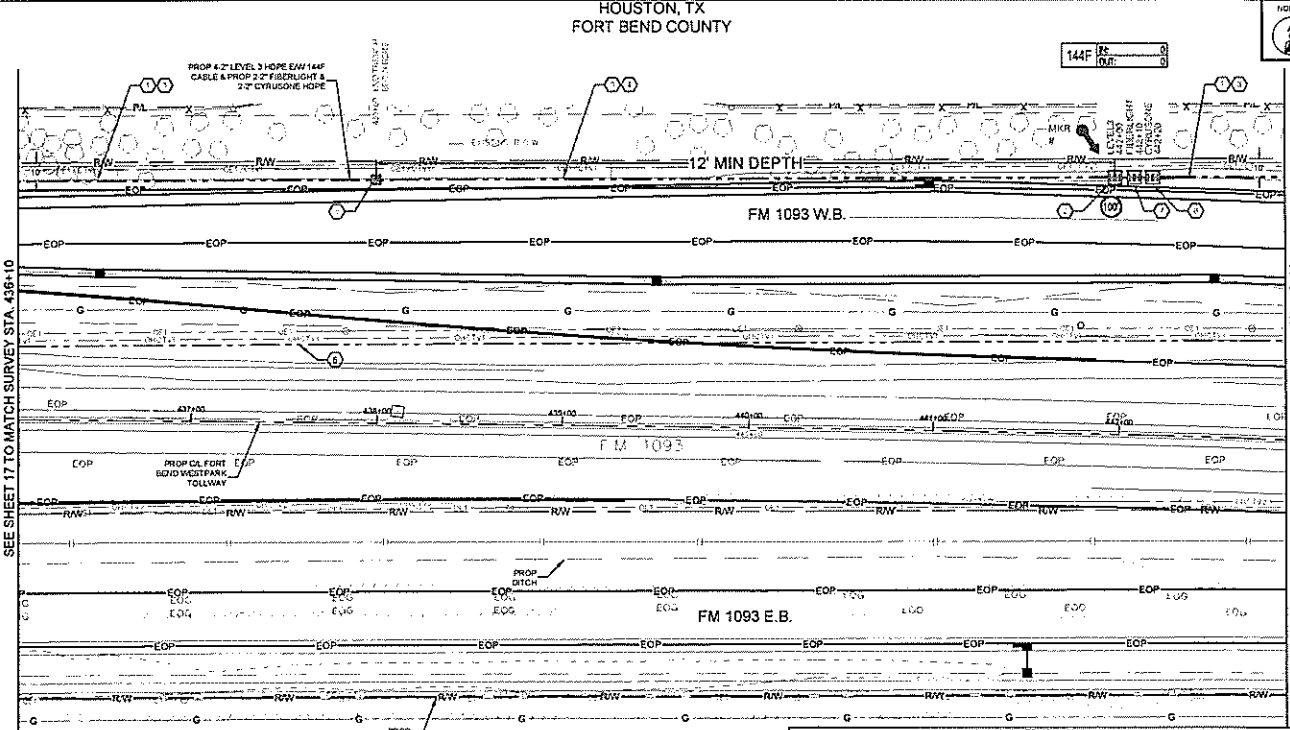
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**Level(3)**  
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING NAME

SCALE: HOR 1"=50'

SHEET 18 OF 31

ENGINEER/DATE: 11/13/15



Page Name Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 6-2" HOPE EDR 6	FT	650	
MAT-00370 - TIER 15 30"x45"x30" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-02200 - WARNING TAGS AND/OR MARKERS	EA	1	



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

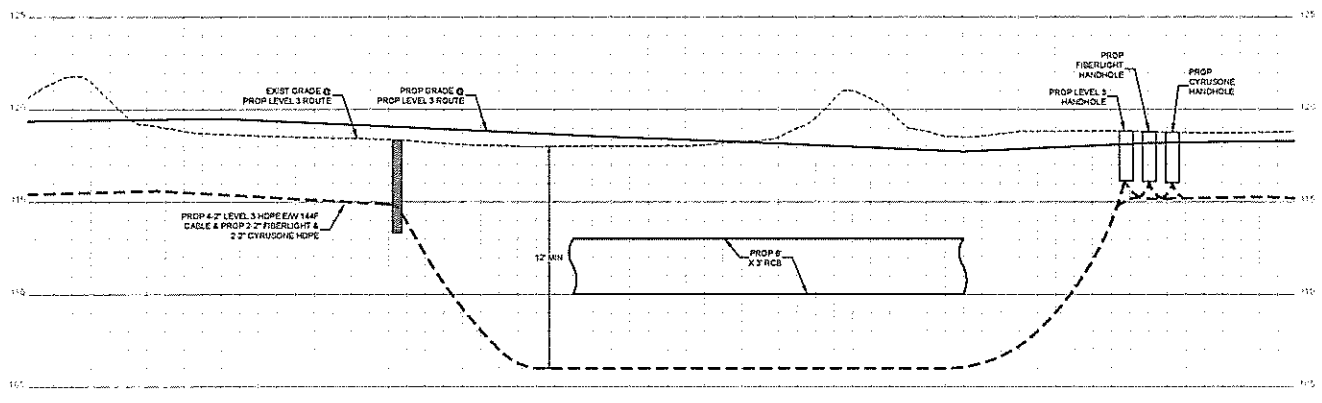
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE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

Page Name Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	250	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	250	
UGB-30230-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30250-S - PLACE UP TO 285 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COLL)	FT	700	
UGB-31270-S - PLACE NEW 30"x48"x30" NON-CONCRETE HAND-HOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT 6'x4'x5'	EA	1	
UGB-31650-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31800-S - PLACE LOCATE MARKER POST	EA	1	
UGB-32150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,900	
UGB-30700-S - D/R BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2,500	

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HDPE COULMETS AS  
NOTED BELOW
- 8\"/>

1		
2		
3		
NO	DATE	END DESIGN
2-2-18		AS-BUILT
11-13-15		ORIGINAL
DATE/TIME		COMMENT

**Level(3)**  
CORPORATION

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FROM  
ROCKY FIELD SERVICE

PROJECT NUMBER

LOCATION: FM 1055 WESTPARK  
EXTENSION, HOUSTON, TX

DRAWING NUMBER

SCALE: VERT. 1"=5'

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  
1-800-545-6205  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OTHER LEVELS  
CONDUIT UNDER EOP  
CONDUIT CUTS  
CONDUIT SIZE 2"  
CONDUIT TYPE HOPE  
NOTE: REMOVE 8-2" HOPE
- 2 CABLE REELS: 144F  
CABLE OTHER LEVELS  
CABLE UNDER EOP
- 3 CABLE REELS: 144F  
CABLE OTHER LEVELS  
CABLE UNDER EOP  
NOTE: REMOVE 144F CABLE

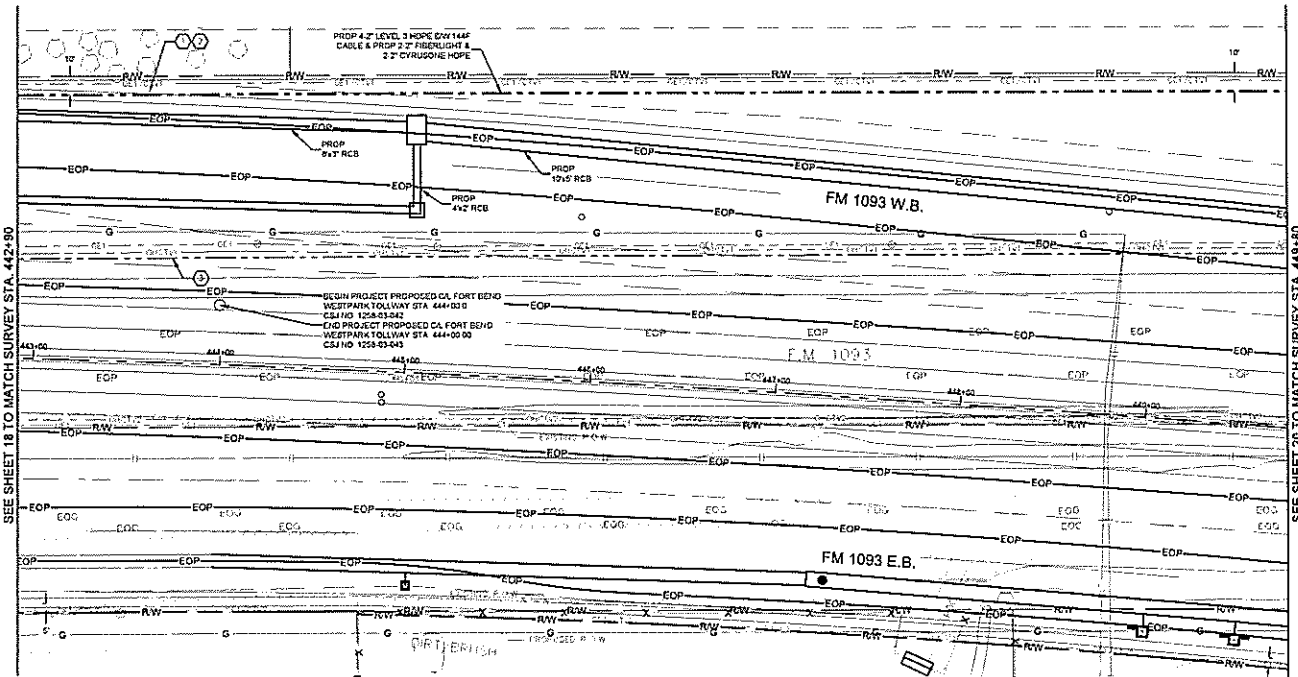
CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

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

3		
2		
1		
NO	DATE	ENG DESIGN
11-14-18		AS-BUILT
11-13-18		REVISION / 1
08/27/18		ORIGINAL
08/27/18		COMMENT

**Level(3)**  
LEVEL ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWN/TITLE

SCALE: NDR 1"=50'  
SHEET 19 OF 31  
CONFIDENTIAL/PROPRIETARY



Page Take Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-8015B - CONDUIT 8-2" HOPE BDR 9	FT	620	

Page Take Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-3005D-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	650	
UGB-3014D-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	650	
UGB-3025D-S - PLACE UP TO 233 CONDUIT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-3105D-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	620	
UGB-3015D-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4810	



CALL BEFORE YOU DIG  
1-800-545-6005  
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.

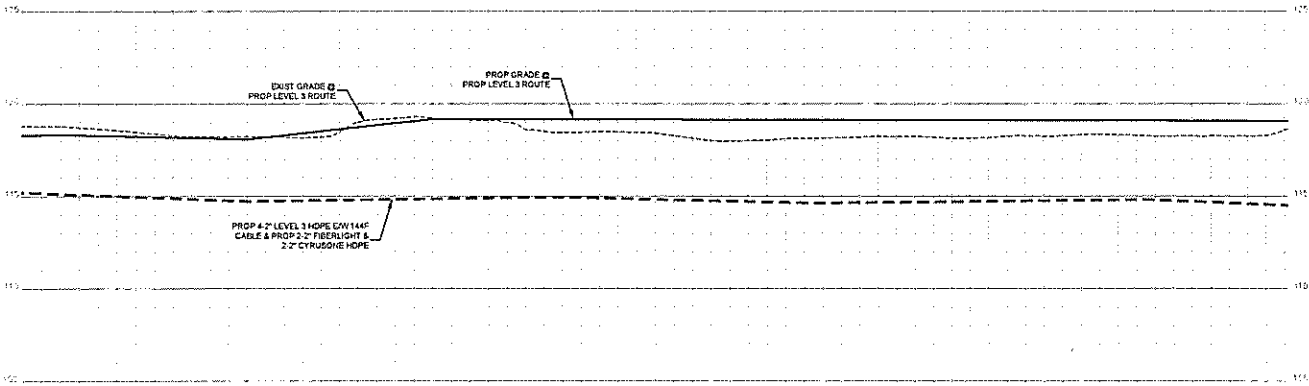
SEE SHEET 18 TO MATCH SURVEY STA. 442+90

SEE SHEET 20 TO MATCH SURVEY STA. 489+80

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONFIGS 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

2" FIBERLIGHT

- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE

2" CYRUSONE

- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

NO.	DATE	ENG. DESIGN
1		
2-2-16		AS-BUILT
11-13-15		ORIGINAL

DRAWING COMMENT

**Level(3)**

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1033 WESTPARK

EXTENSION - HOUSTON, TX

DRAWING NAME

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  
1-800-545-6229  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY

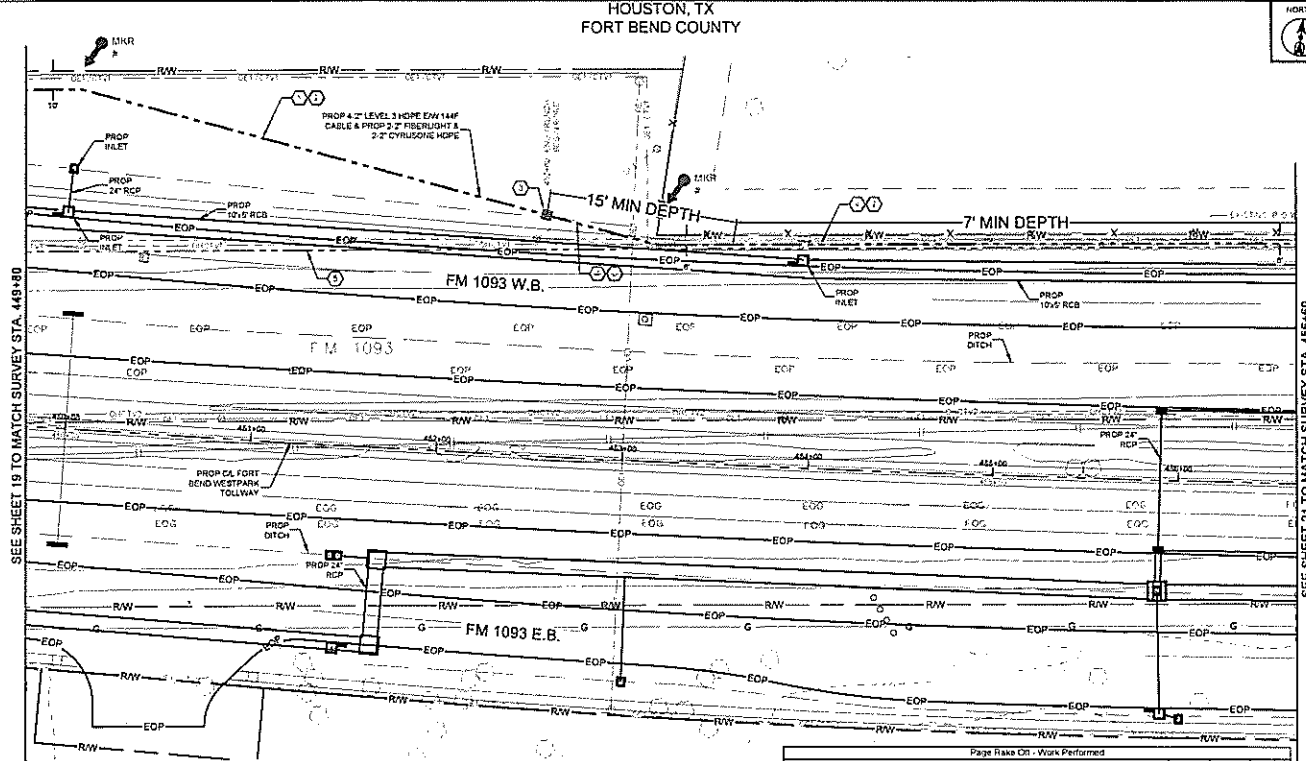


CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 250'  
CONDUIT CTS: 8  
CONDUIT SIZE: 8"  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-2" HOPE
- 2 CABLE PEGS: 144F  
CABLE OWNER LEVELS  
CABLE LENGTH 600'
- 3 PROPOSED BOREPIT
- 4 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 400'  
CONDUIT CTS: 8  
CONDUIT SIZE: 8"  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-2" HOPE
- 5 CABLE PEGS: 144F  
CABLE OWNER LEVELS  
CABLE LENGTH 600'  
NOTES: REMOVE 144F CABLE

CONTRACTOR 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/ 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



SEE SHEET 19 TO MATCH SURVEY STA. 448+80

SEE SHEET 21 TO MATCH SURVEY STA. 456+60

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-50150 - CONDUIT 8-2" HDPE EDR 8	FT	658	
MAT-92210 - WARNING TAGS AND/OR MARKERS	EA	2	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-33055-S - TRENCH GREATER THAN 1500' TRENCH 45" MINIMUM COVER	FT	230	
UGB-30145-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	230	
UGB-30200-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30500-S - PLACE UP TO 283 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31645-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	1	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31025-S - PLACE LOCATE MARKER POST	EA	2	
UGB-33150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1950	
UGB-33700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2650	

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  
1-800-545-5005  
48 HOURS NOTICE REQUIRED

**Level3**

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
LOCAL FIELD SERVICES

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

DRAWING TITLE

SCALE: HOR: 1"=10'

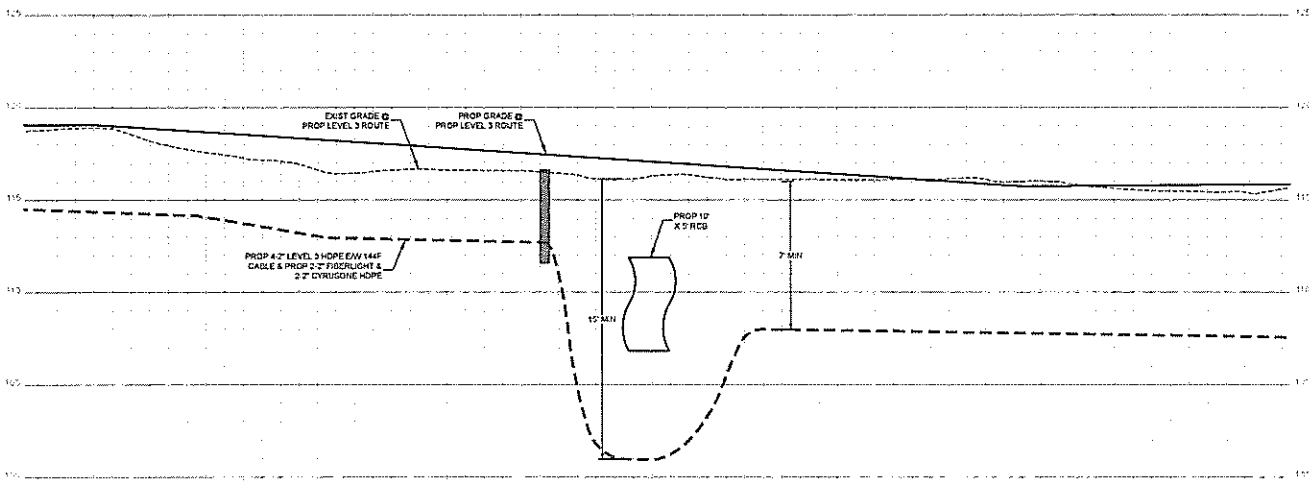
SHEET 20 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONFIGS 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
- 2" FIBERLIGHT
- BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 3" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

1		
2		
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NO.	DATE	BY
1	11-12-13	ORIGINAL
2	11-12-13	CONSENT

**Level(3)**  
LEVEL ENGINEER  
KEITH HALL  
CORNELIUS FARM  
DUDSON FIELD SERVICES  
PROJECT NUMBER  
LOCATION 18102 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWN/TITLE

SCALE: VERT 1"=5'  
SHEET 20A 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  
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DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



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

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT UNDER EOP  
CONDUIT CITY 6  
CONDUIT SIZE 2  
CONDUIT TYPE HOPE  
NOTES: BORE 8-1/2" HOPE
- 2 CABLE FIBERS: 144F  
CABLE OWNER: LEVELS  
CABLE UNDER EOP
- 3 CABLE FIBERS: 144F  
CABLE OWNER: LEVELS  
CABLE UNDER EOP  
NOTES: REMOVE 144F CABLE

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

- 8-1/2" HOPE CONFIGURATION
- 4" LEVELS(3)
- BLACK W/ PURPLE STRIPE
- BLACK W/ ORANGE STRIPE
- BLACK W/ GREEN STRIPE
- BLACK W/ BROWN STRIPE
- 3" FIBERLIGHT
- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 3" CYRUSORIE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

1		
2		
3		
DATE	ENG DESIGN	
1-13-16	REVISED / 3	
11-13-15	ORIGINAL	
DRAWING	COMMENT	

**Level(3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KEITH HULL

ENGINEERING FIRM  
SOUTH FIELD SERVICES

PROJECT NUMBER

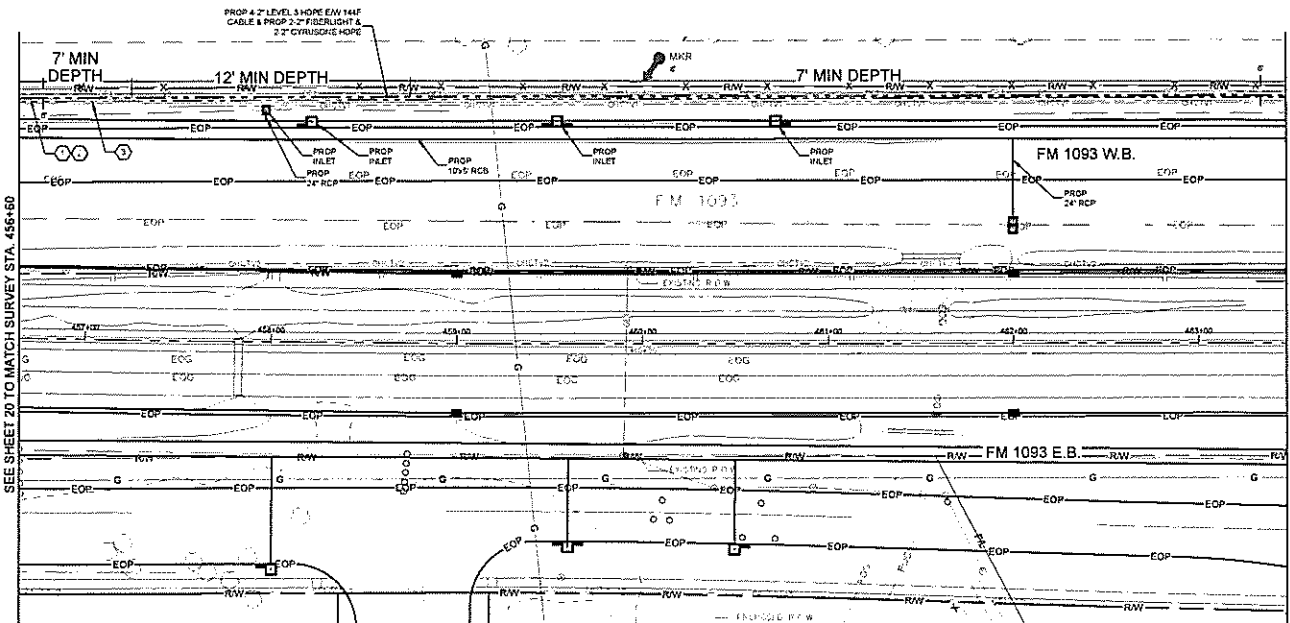
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE: NDR 1"=50'

SHEET 21 OF 31

CDN/RENTAL/PROPRIETARY



SEE SHEET 20 TO MATCH SURVEY STA. 456+60

SEE SHEET 22 TO MATCH SURVEY STA. 463+50

Page Name OR - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HOPE SDR-9	FT	550	
MAT-92020 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Name OR - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30000-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	550	
UGB-20000-S - PLACE UP TO 288 CONDUIT FOG IN CONDUIT. UP TO 1500'	FT	550	
UGB-31000-S - REMOVE AND DISPOSE OF 1 144F CABLE	FT	550	
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	



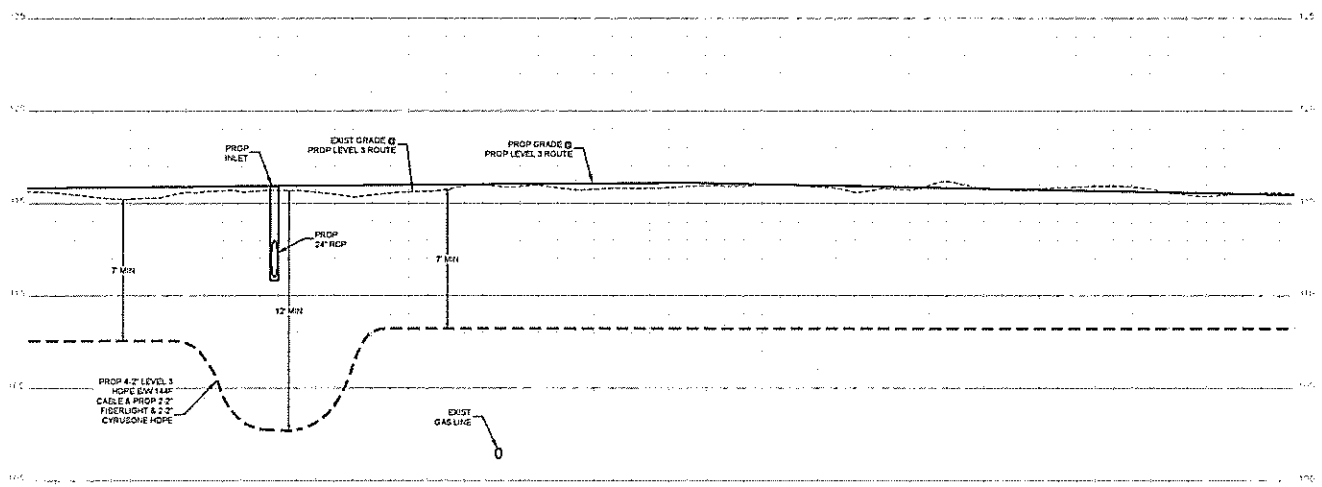
CALL BEFORE YOU DIG  
1-800-54-0000  
48 HOURS NOTICE REQUIRED

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HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR (MUST) SUPPLY  
ALL HOPE COORDINATES AS  
NOTED BELOW
- 8.2" HOPE CONFIGURATION
- 4" (LEVEL 1)
- 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/ GRAY STRIPE

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND  
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S  
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DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



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

NO.	DATE	END DESIGN
1		
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5		



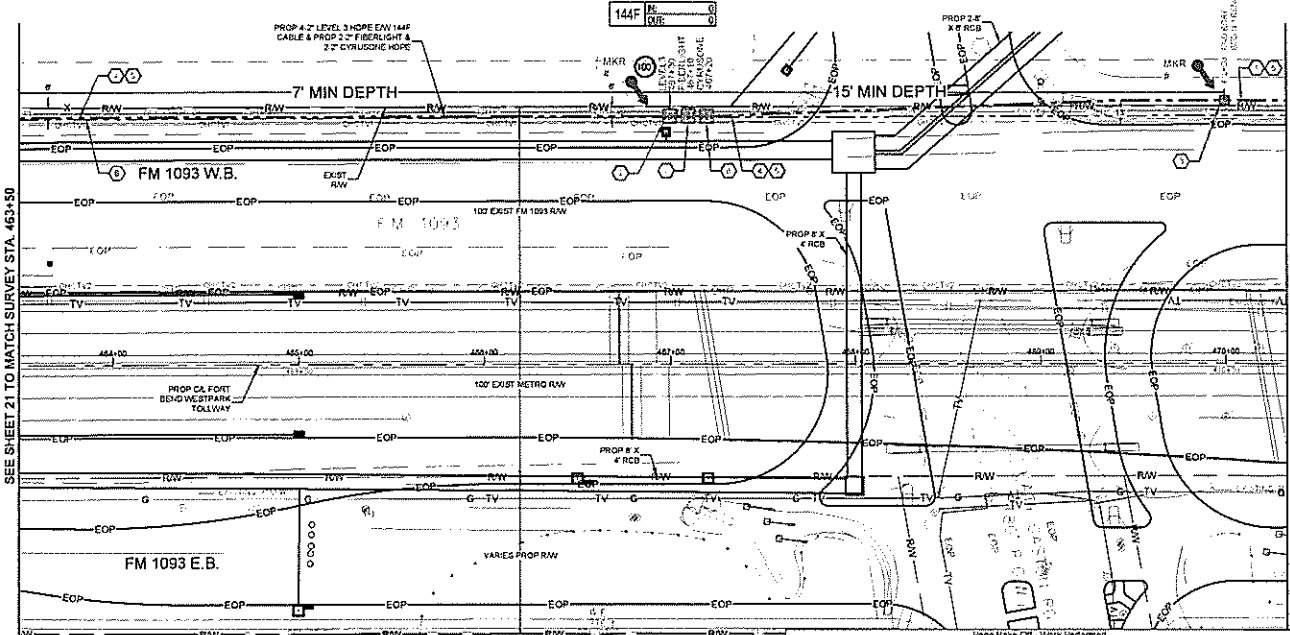
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
500 WESTFIELD SERVICE  
PROJECT NUMBER  
LOCATION: FM 1023 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING NAME

SCALE: VERT 1"=4'  
SHEET 21A OF 31  
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



144F  
15  
0  
0



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 2 LEVELS INVEHICLE  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 3 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 4 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 5 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 6 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 7 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 8 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 9 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 10 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 11 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 12 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 13 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 14 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 15 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 16 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 17 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 18 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 19 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 20 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 21 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 22 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 23 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 24 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 25 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 26 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 27 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 28 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 29 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 30 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 31 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 32 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 33 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 34 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 35 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 36 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 37 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 38 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 39 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 40 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 41 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 42 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 43 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 44 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 45 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 46 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 47 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 48 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 49 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 50 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 51 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 52 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 53 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 54 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 55 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 56 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
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NOTES: TRENCH 8'-2" DEPTH
- 57 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
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NOTES: TRENCH 8'-2" DEPTH
- 58 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 59 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 60 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 61 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 62 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 63 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 64 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 65 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 66 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
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NOTES: TRENCH 8'-2" DEPTH
- 67 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 68 CONDUIT OWNER LEVELS  
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- 69 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 70 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 71 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 72 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 73 CONDUIT OWNER LEVELS  
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- 74 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 75 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 76 CONDUIT OWNER LEVELS  
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- 77 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 78 CONDUIT OWNER LEVELS  
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- 79 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 80 CONDUIT OWNER LEVELS  
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CONDUIT SIZE  
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NOTES: TRENCH 8'-2" DEPTH
- 81 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
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NOTES: TRENCH 8'-2" DEPTH
- 82 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 83 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
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NOTES: TRENCH 8'-2" DEPTH
- 84 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 85 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 86 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 87 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 88 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 89 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 90 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 91 CONDUIT OWNER LEVELS  
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NOTES: TRENCH 8'-2" DEPTH
- 92 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
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NOTES: TRENCH 8'-2" DEPTH
- 93 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
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NOTES: TRENCH 8'-2" DEPTH
- 94 CONDUIT OWNER LEVELS  
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CONDUIT SIZE  
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NOTES: TRENCH 8'-2" DEPTH
- 95 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 96 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 97 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
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NOTES: TRENCH 8'-2" DEPTH
- 98 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 99 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH
- 100 CONDUIT OWNER LEVELS  
CONDUIT LENGTH BY  
CONDUIT SIZE  
CONDUIT TRENCH  
NOTES: TRENCH 8'-2" DEPTH

SEE SHEET 21 TO MATCH SURVEY STA. 463+50

SEE SHEET 23 TO MATCH SURVEY STA. 470+50



CALL BEFORE YOU DIG  
1-800-542-6005  
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-80150 - CONDUIT 8" HOPE SDR 9	FT	650	
MAT-80270 - TIER 15 30"x48"x30" - WITH XNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-82020 - WARNING TAGS 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	
UGB-30250-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	650	
UGB-30250-S - PLACE UP TO 218 CONDUIT FOG IN CONDUIT UP TO 1500' (100 IN COIL)	FT	780	
UGB-31270-S - PLACE NEW 307x45x30" HDY-CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT 6X4X3'	EA	1	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144' CABLE	FT	650	
UGB-31520-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	210	
UGB-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4550	

**Level3**  
LEVEL 3 ENGINEERING & CONSTRUCTION, INC.  
11111 FORT MEADE BLVD  
HOUSTON, TX 77060  
713.865.1111

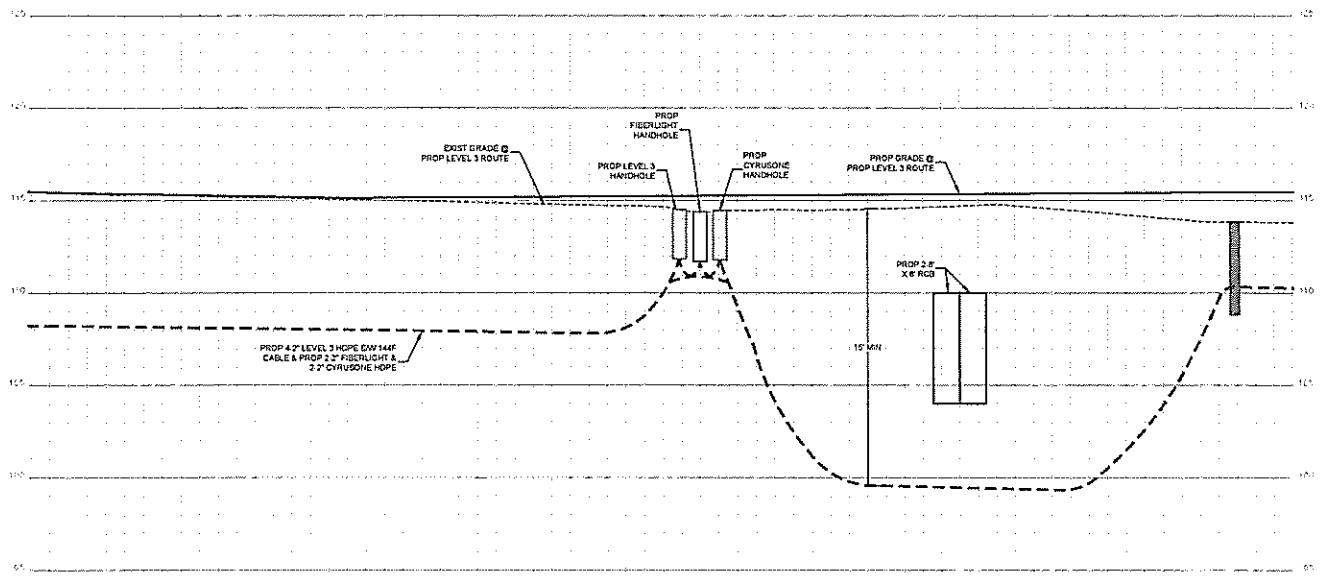
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
SOUTHERN FIELD SERVICES  
PROJECT NUMBER  
LOCATION FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING NUMBER

SCALE: HGR. 1"=50'  
SHEET 22 OF 31  
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW.
- 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	REVISION / COMMENT
1			
2			
3			

**Level(3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KATH MALL

ENGINEERS FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1093 W/ STPARK  
EXTENSION, HOUSTON, TX

DRAWING NAME

SCALE: VERT. 1"=5'

SHEET 22A OF 31

CONTRACT NO. 2019-0000000000



CALL BEFORE YOU DIG  
1-800-545-5000  
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



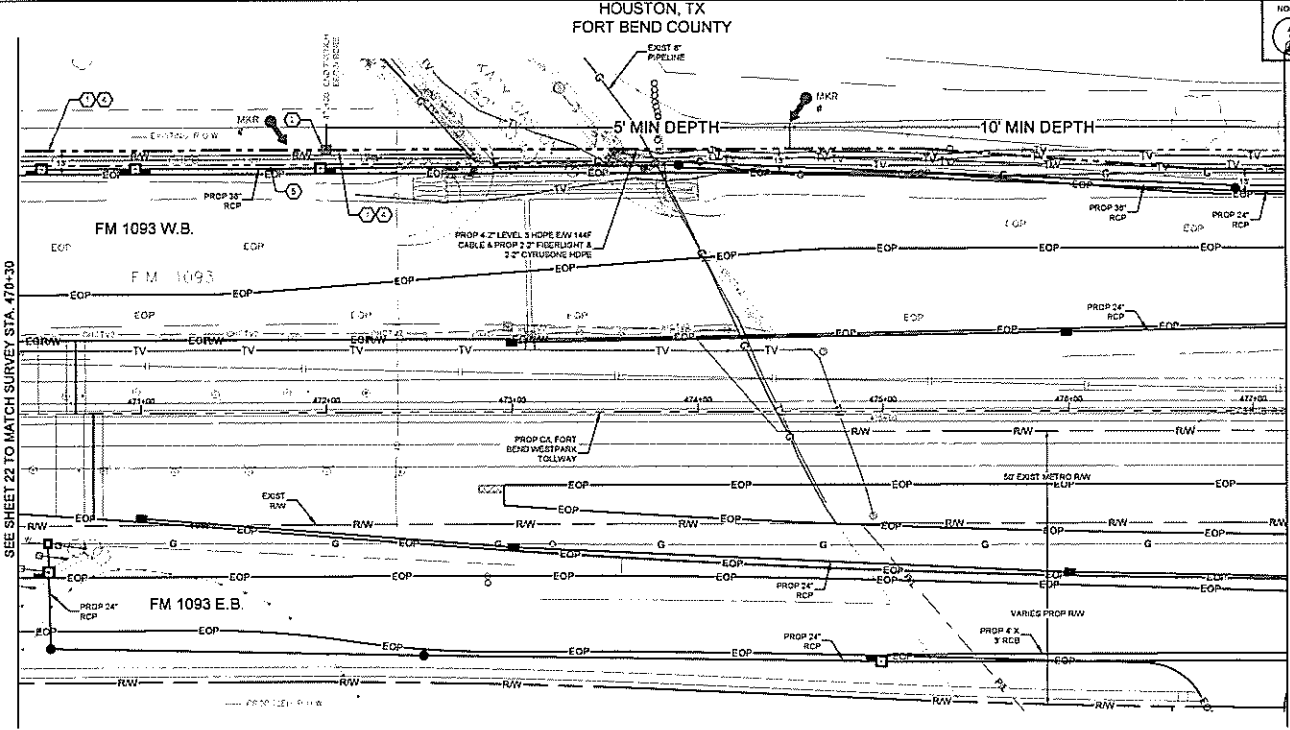
CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 177'  
CONDUIT CRT: 8  
CONDUIT SIZE: 8"  
CONDUIT TYPE: HOPE  
NOTES: BREAK 8'-2" HOPE
- 2 PROPOSED HOPE
- 3 CONDUIT OWNER LEVELS  
CONDUIT LENGTH 200'  
CONDUIT CRT: 8  
CONDUIT SIZE: 8"  
CONDUIT TYPE: HOPE  
NOTES: BREAK 8'-2" HOPE
- 4 CABLE PILES: 144'  
CABLE OWNER LEVELS  
CABLE LENGTH 80'
- 5 CABLE PILES: 144'  
CABLE OWNER LEVELS  
CABLE LENGTH 80'  
NOTES: REMOVE 144' 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/ BROWN STRIPE
  - 2" FIELDLIGHT
  - 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	10/20/18	1
11-13-13		ORIGINAL
DATE	TIME	COMMENT

**Level(3)**  
LEVEL ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
CONCRETE FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWN/TAMP  
SCALE: HDR 1"=50'  
SHEET 23 OF 31  
CONSENTAL/REPAIR LARY



Page Take Off - Materials				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
MAT-80159 - CONDUIT 8-2" HOPE EDR-8	FT	892		
MAT-62269 - WARNING TAGS AND/OR MARKERS	EA	2		

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	170		
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	170		
UGB-30010-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	520		
UGB-30050-S - PLACE UP TO 283 COUNT FOC IN CONDUIT UP TO 1500'	FT	600		
UGB-31643-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	1		
UGB-31050-S - REMOVE AND DISPOSE OF 1-144' CABLE	FT	600		
UGB-31070-S - PLACE LOCATE MARKER POST	EA	2		
UGB-30150-S - PLACE ADDITIONAL HOPE BY OPEN TRENCH CONDUIT UP TO 2"	FT	1100		
UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	3 643		



CALL BEFORE YOU DIG  
1-800-545-6005  
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.

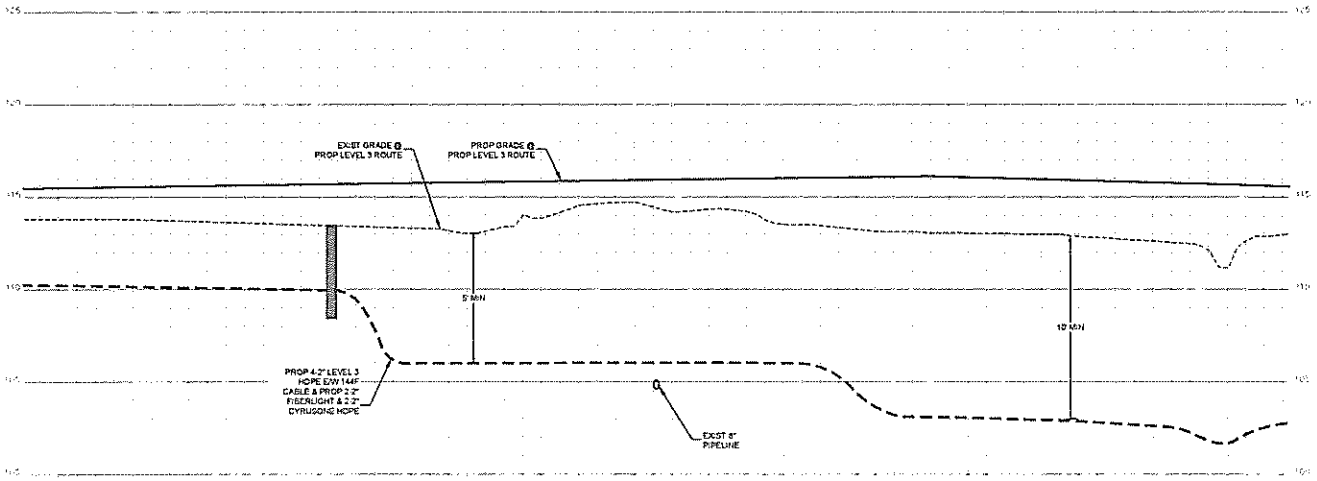
SEE SHEET 22 TO MATCH SURVEY STA. 470+30

SEE SHEET 24 TO MATCH SURVEY STA. 477+20

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONFIGURATIONS AS  
NOTED BELOW
- 8.2" 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" CYRUSOKE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

NO.	DATE	BY	REVISION
1			
2			



LEVEL ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
GOLDEN FIELD SERVICES  
PROJECT NUMBER  
LOCATION FM 1033 WESTPARK  
EXTENSION HOUSTON, TX  
DRAWING NAME

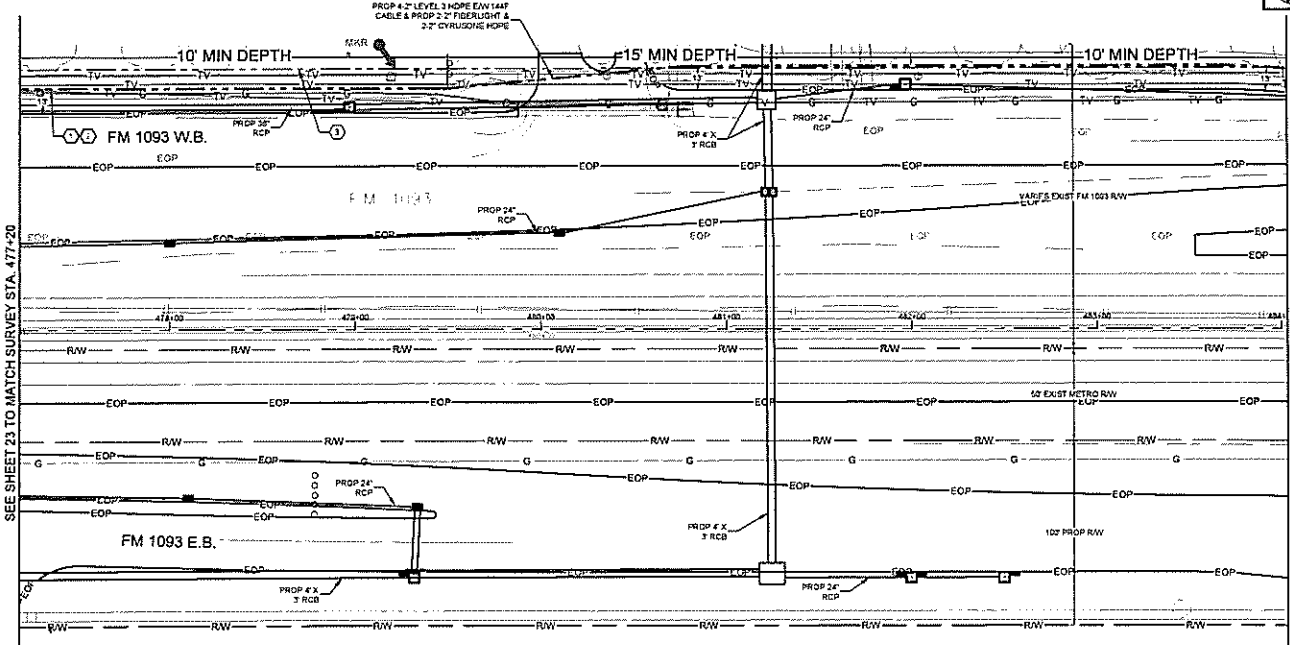
SCALE VERT 1"=5'  
SHEET 23A OF 31  
CONFIDENTIAL/PROPRIETARY

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 OWNER LEVELS  
CONDUIT LENGTH 600'  
CONDUIT SIZE 8"  
CONDUIT TYPE EOP  
NOTES ABOVE 8"-2" HOPE
- 2. CABLE FEEDS: 144F  
CABLE OWNER LEVELS  
CABLE LENGTH 144'
- 3. CABLE FEEDS: 144F  
CABLE OWNER LEVELS  
CABLE LENGTH 144'  
NOTES ABOVE 144F CABLE

CONTRACTOR NOTIF.  
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
- 3" FIBERGLASS
- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 2" CYRUSONE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

SEE SHEET 23 TO MATCH SURVEY STA. 477+20

SEE SHEET 25 TO MATCH SURVEY STA. 484+00

Page Name Or - 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	1	

Page Name Or - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGS-30500-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	650	
UGS-30300-S - PLACE UP TO 288 COUNT FCC IN CONDUIT UP TO 1500'	FT	650	
UGS-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGS-31900-S - PLACE LOCATE MARKER POST	EA	1	
UGS-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4,700	



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

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**Level3**  
LEVEL 3 SERVICES

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1093 W.B. ST/PAV  
EXTENSION: HOUSTON, TX

DATE: 11-13-15

SCALE: HOR. 1"=50'

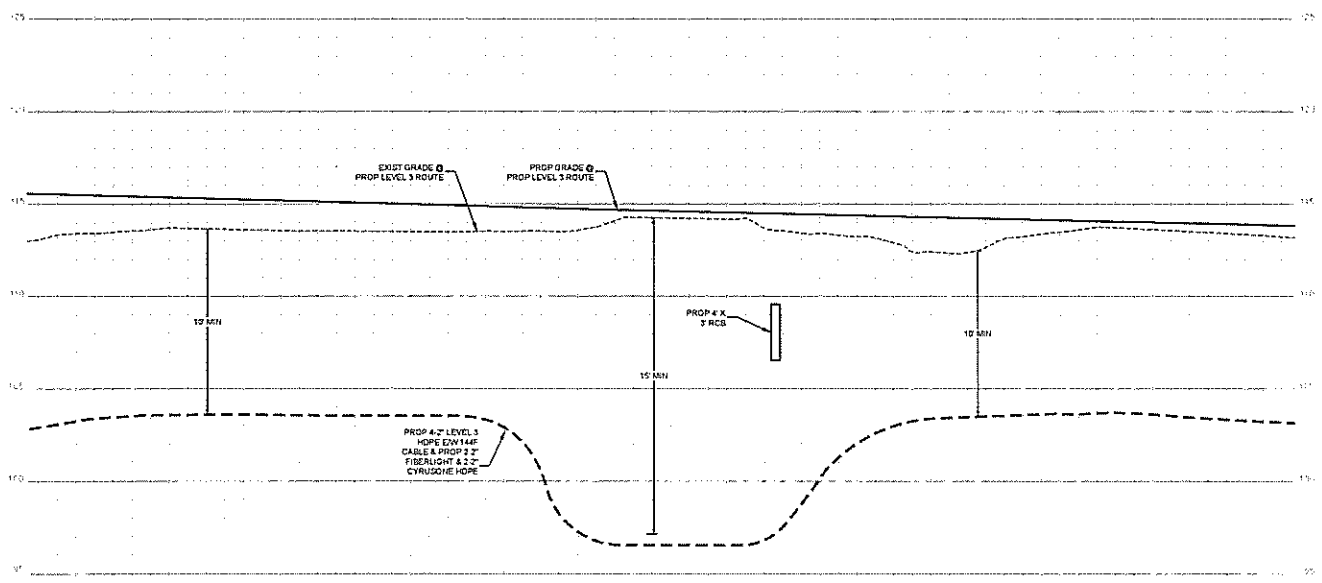
SHEET: 24 OF 31

CONTRACT: 1409000000000000

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONFIGURATIONS AS  
NOTED BELOW
- 6\"/>

NO.	DATE	THE DESIGN
1		
2		
3		

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

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION FM 1511 W. STRAUB  
EXTENSION HOUSTON, TX

DRAWING DATE

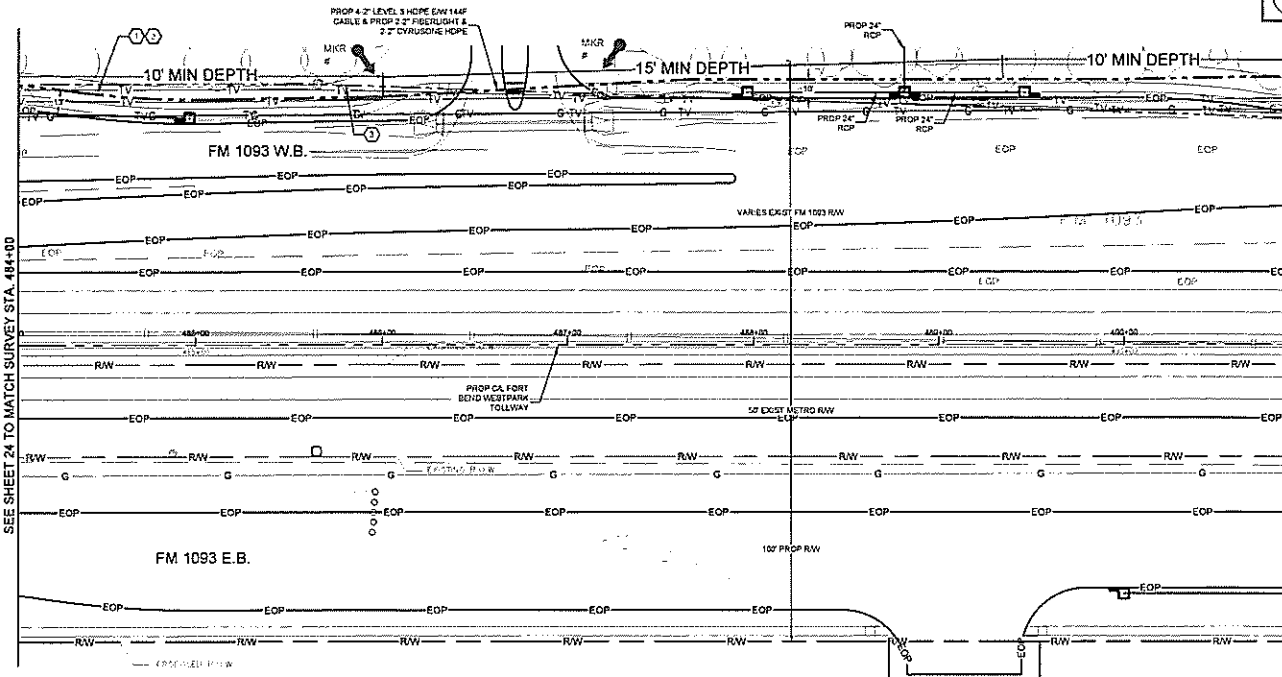
SCALE VERT 1\"/>

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) EXIST OWNER LEVELS  
CONCRETE UNDER EOP  
CONCRETE CITY 8  
CONCRETE SIDE  
CONCRETE TIE-INS  
NOTE: BORE 8-2' HERE
- 2) CABLE BORES: 114F  
CABLE OWNER LEVELS  
CABLE LENGTH: 600'
- 3) CABLE BORES: 114F  
CABLE OWNER LEVELS  
CABLE LENGTH: 600'  
NOTE: REMOVE 114F CABLE

- 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" FIBERGLIGHT  
 BLACK W/ RED STRIPE  
 BLACK W/ BLUE STRIPE  
 2" CYRUSOLITE  
 BLACK W/ WHITE STRIPE  
 BLACK W/ GREY STRIPE

SEE SHEET 24 TO MATCH SURVEY STA. 484+00

SEE SHEET 25 TO MATCH SURVEY STA. 490+90

Page Take Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-30150 - CONDUIT 8-2" HOPE GDR-9	FT	650	
MAT-92200 - WARNING TACS AND/OR MARKERS	EA	2	

Page Take Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGD-30550-S - DIRECTIONAL BORE GREATER THAN 1200' 1" HOPE CONDUIT UP TO 2"	FT	650	
UGD-30550-S - PLACE UP TO 283 COUNT FOC IN CONDUIT UP TO 1550'	FT	650	
UGD-31050-S - REMOVE AND DISPOSE OF 1 114F CABLE	EA	2	
UGD-31050-S - PLACE LOCATE MARKER POST	EA	2	
UGD-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4,830	



CALL BEFORE YOU DIG  
1-800-543-6005  
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)**  
LEVEL 3 ENGINEER  
KETH HALL  
ENGINEERING FIRM  
SOUTHERN FIELD SERVICE E

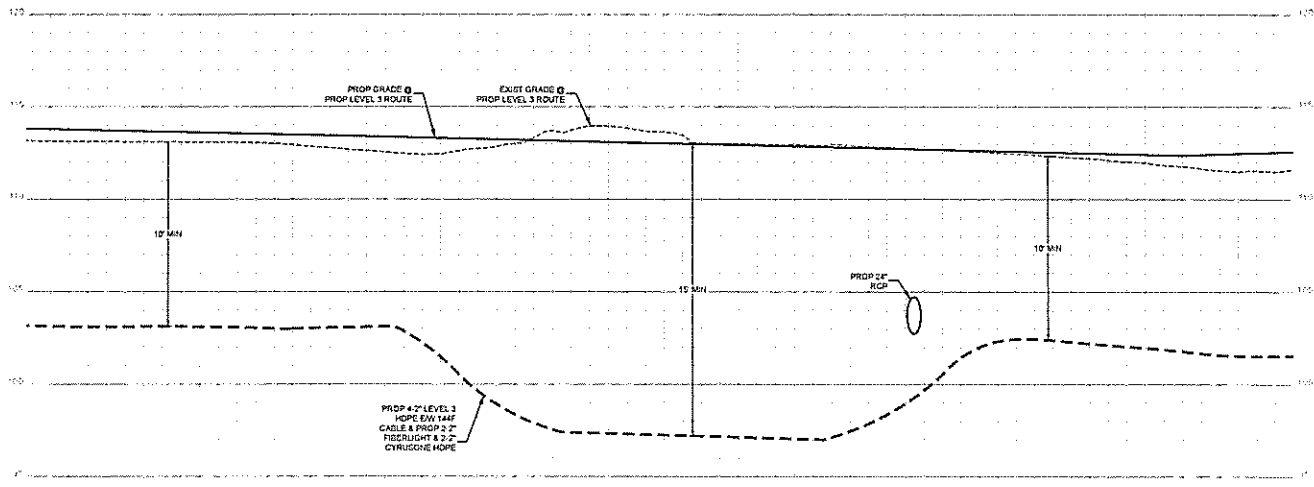
PROJECT NUMBER  
LOCATION: FM 1093 W.B. STPARK  
EFFERSON, HOUSTON, TX  
DRAWING NAME

SCALE: HDR 1"=40'  
SHEET 25 OF 31  
EDW. GENTILE/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW
- 6\"/>
  - BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE 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

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NO.	DATE	ENG. DESIGN
1	3-2-18	REVISION # 1
2	11-13-18	ORIGINA
DRAWING		COMMENT

**Level(3)**  
ENGINEERING FIRM  
COURTESY FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1051 WESTPARK  
EXTENSION-HOUSTON, TX  
DRAWING NAME  
SCALE: VERT. 1"=8'  
SHEET 25A OF 31  
COST ESTIMATE 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.



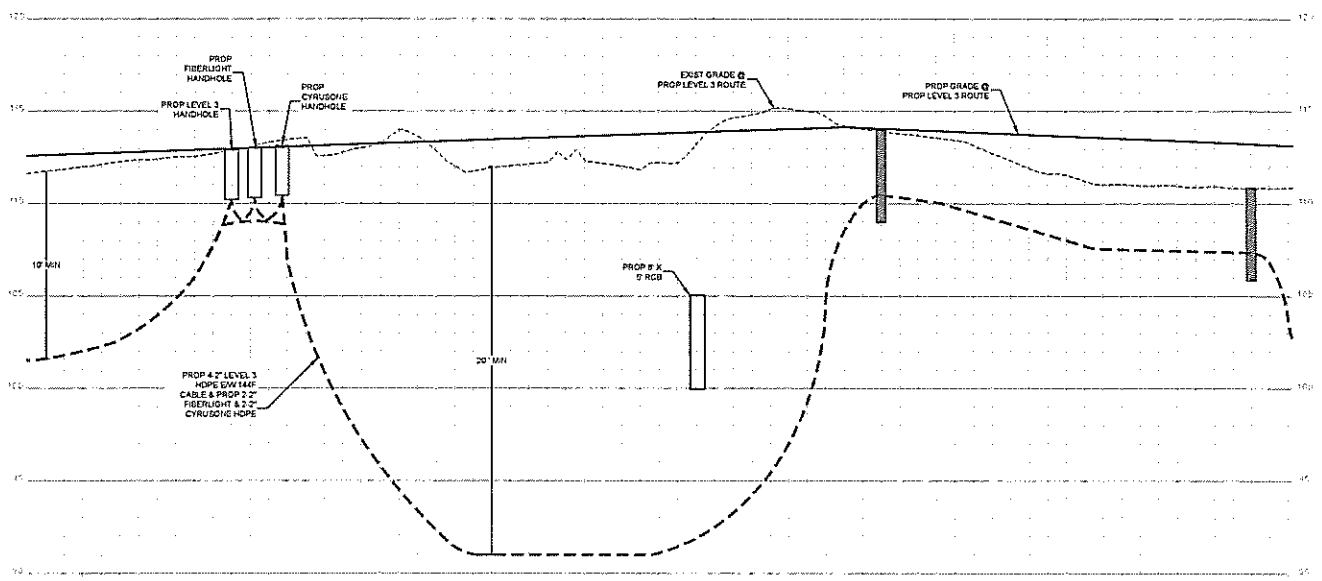
CALL BEFORE YOU DIG  
1-800-545-0005  
48 HOURS NOTICE REQUIRED



HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



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

NO.	DATE	BY	CHKD

**Level(3)**  
ENGINEERING FIRM  
GREENFIELD SERVICES

PROJECT NUMBER: LOCATION: FM 1593 WESTPARK  
EXTENSION - HOUSTON, TX

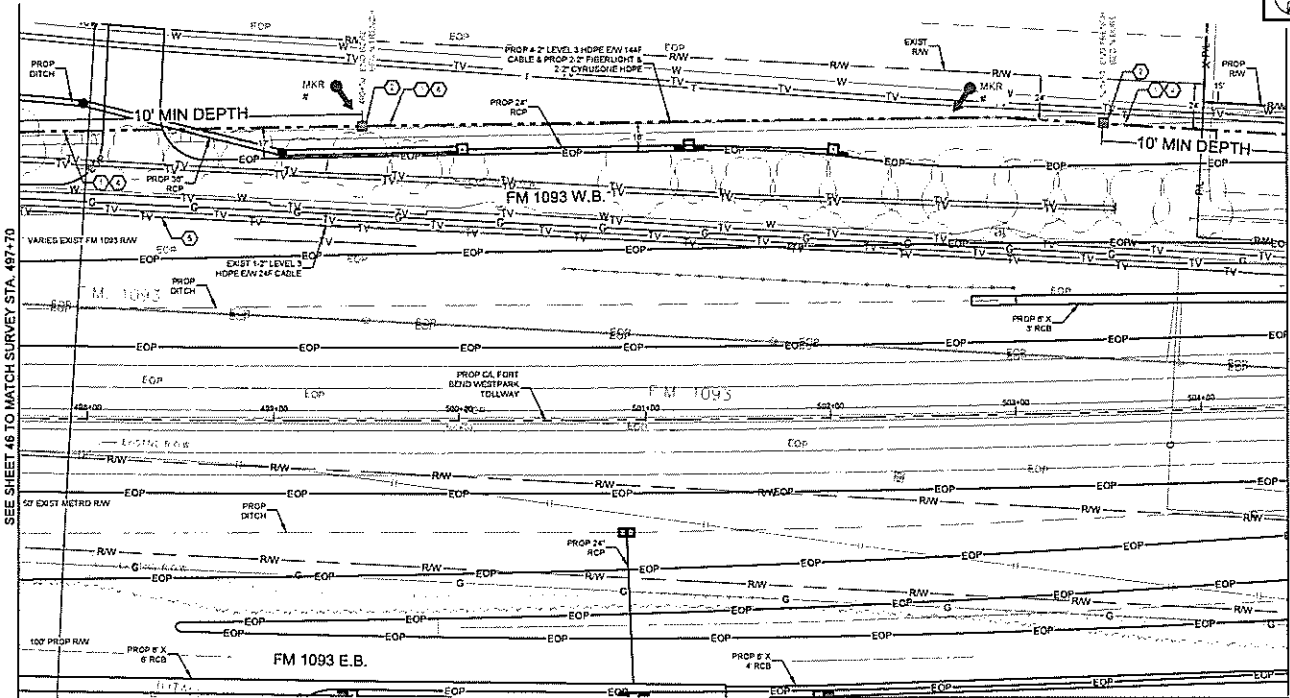
SCALE: VERT 1"=2'  
SHEET 28A OF 31  
CONFIDENTIAL/PROPRIETARY

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  
1-800-543-5899  
48 HOURS NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1) CONDUIT OWNER LEVELS  
CONDUIT LENGTH 150'
- 2) CONDUIT SIZE 3"  
CONDUIT TYPE HOPE  
NOTES: BORE 8-2" HOPE
- 3) PROPOSED BORE
- 4) CONDUIT OWNER LEVELS  
CONDUIT LENGTH 400'
- 5) CONDUIT SIZE 3"  
CONDUIT TYPE HOPE  
NOTES: TRENCH 8-2" HOPE
- 6) CABLE PROPS: 144"  
CABLE OWNER LEVELS  
CABLE LENGTH 400'
- 7) CABLE PROPS: 144"  
CABLE OWNER LEVELS  
CABLE LENGTH 400'  
NOTES: REMOVE 144" CABLE

CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE CONDUITS AS  
NOTED BELOW

8-2" HOPE CONFIGURATION  
4-2" LEVELLED

- BLACK W/ PURPLE STRIPE
- BLACK W/ ORANGE STRIPE
- BLACK W/ GREEN STRIPE
- BLACK W/ BROWN STRIPE
- 2" FB BRIGHT
- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 2" CYRUSONE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

SEE SHEET 46 TO MATCH SURVEY STA. 497+70

SEE SHEET 48 TO MATCH SURVEY STA. 504+50

Page Name Off - Materials			
UM Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00100 - CONDUIT 8-2" HOPE SDR-9	FT	600	
MAT-02000 - WARNING TAPS AND/OR MARKERS	EA	2	

Page Name Off - Work Performed			
UM Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30020-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	400	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	400	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	250	
UGB-30050-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31040-S - EXCAVATE SMALL PIT 2'X4'X3'	EA	2	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144" 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	2 600	
UGB-30700-S - DR 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  
1-800-545-6009  
48 HOURS NOTICE REQUIRED

**Level(3)**  
LEVELLING SYSTEMS

LEVEL ENGINEER  
KATHY HALL

ENGINEERING FIRM  
CONCRETE FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX

DRAWN BY: JMM

SCALE: HORIZ. 1"=50'

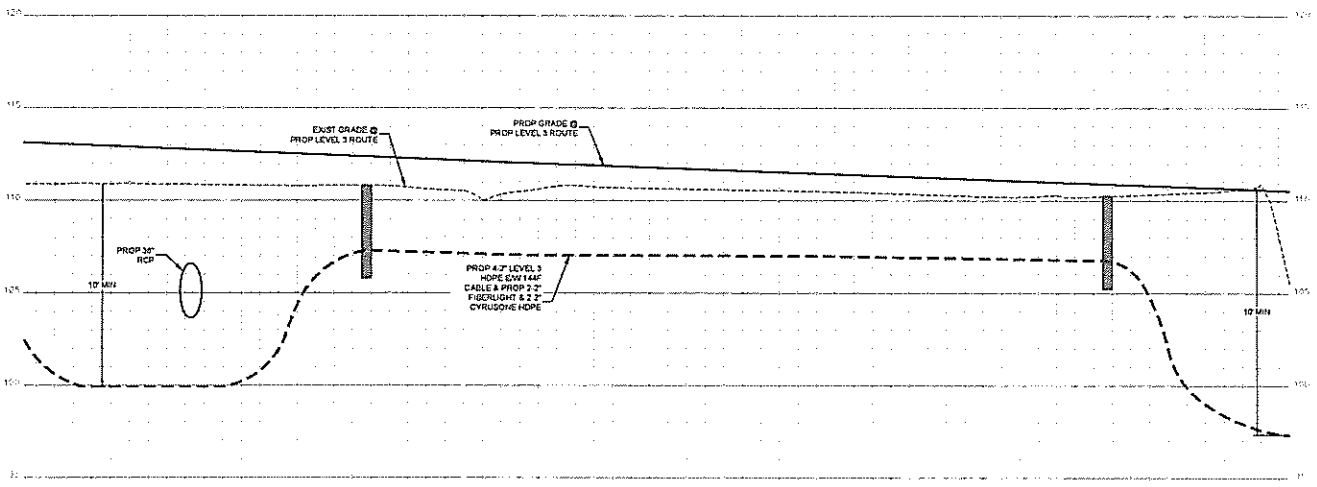
SHEET 27 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE COORDINATES AS  
NOTED BELOW
- 8" HOPE CONFIGURATION  
4" LEVEL(1)
- 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

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NO	DATE	ENG DESIGN
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2-2-18		AS-BUILT
11-13-13		REVISION # 1
DRAFTING		ORIGINAL
		COMMENT

**Level(3)**  
ENGINEERS

LEVEL ENGINEER  
KEITH HALL

ENGINEERING FIRM  
DODDISH FIELD SERVICES

PROJECT NUMBER  
LOCATION: FM 1053 W/ SPARK  
EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE: VERT 1"=5'

SHEET 27A OF 31

DATE: 11/13/13



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 CONSTRUCTIONS 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 LOCATE 100'  
CONDUIT 10" Ø  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-2" HOPE
2. CONDUIT OWNER LEVELS  
CONDUIT LOCATE 100'  
CONDUIT 10" Ø  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-2" HOPE
3. CONDUIT OWNER LEVELS  
CONDUIT LOCATE 100'  
CONDUIT 10" Ø  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-2" HOPE
4. CABLE ISSUES: 144"  
CABLE OWNER: LEVELS  
CABLE LENGTH: 800'  
NOTES: REMOVE 144" CABLE

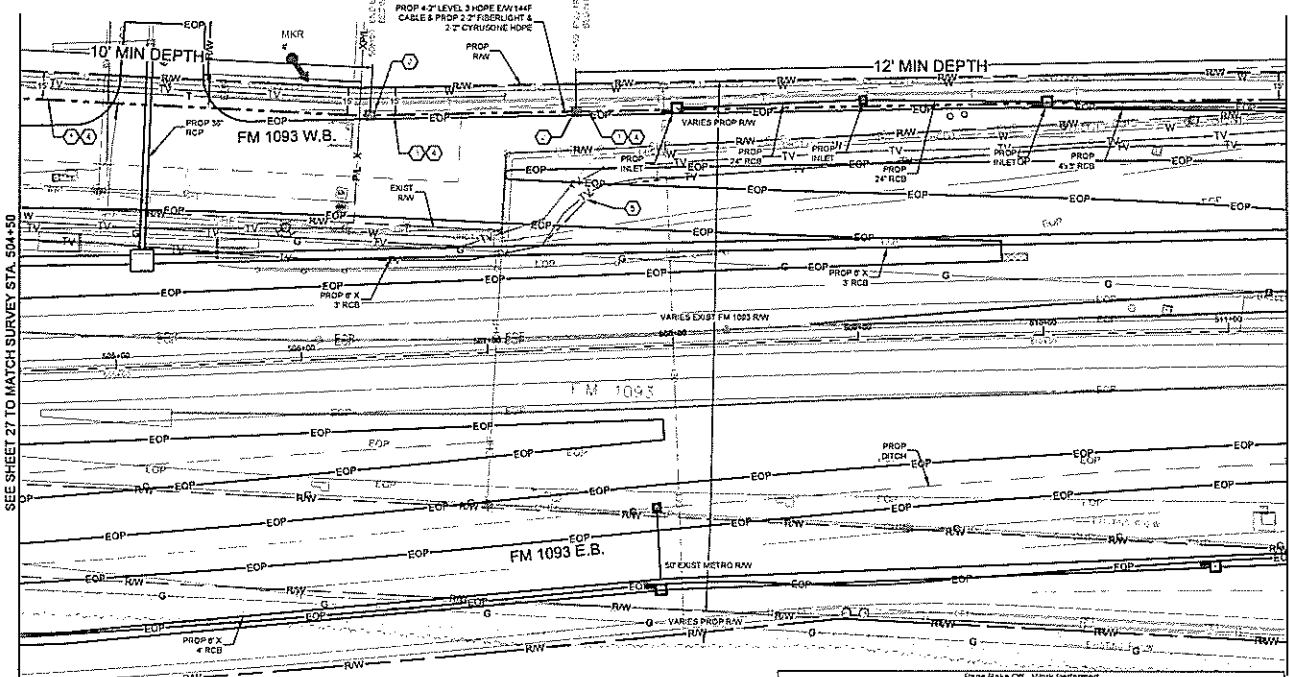
CONTRACTOR NOTE:  
ESTIMATE FOR MOST SUPPLY  
ALL HOPE ELEMENTS AS  
NOTED BELOW

- 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" CYRUSONE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

NO.	DATE	END DESIGN	AS-BUILT
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**Level(3)**  
ENGINEERS  
LEVEL ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
COLUMBIA FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING NAME

SCALE: HOR. 1"=50'  
SHEET 28 OF 31  
EOP: SHOWN WHERE APPLICABLE



SEE SHEET 27 TO MATCH SURVEY STA. 504+50

SEE SHEET 29 TO MATCH SURVEY STA. 511+30



CALL BEFORE YOU DIG  
1-800-545-2005  
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.

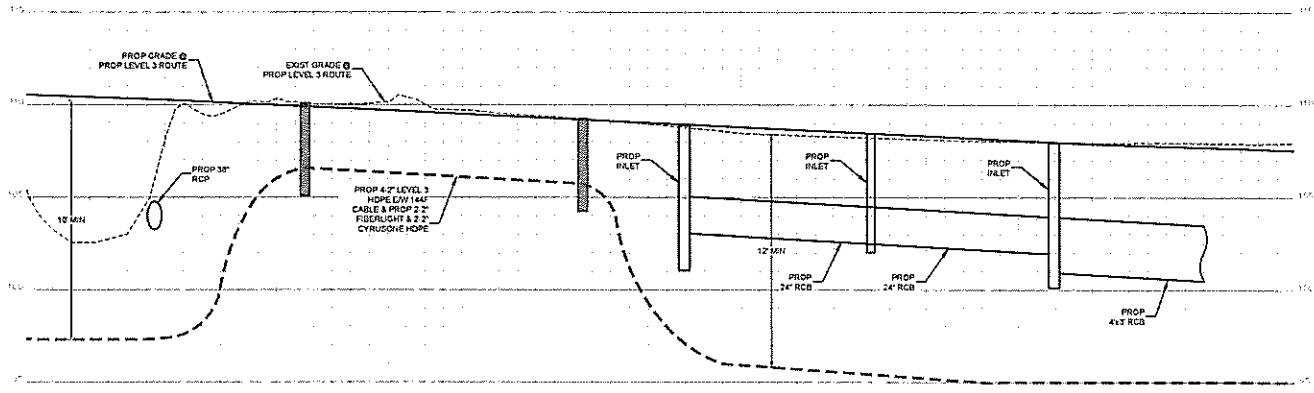
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-20120 - CONDUIT 8" HOPE EDR Ø	FT	680	
MAT-20220 - WARNING TAGS AND/OR MARKERS	EA	1	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30250-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	100	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	100	
UGB-30200-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	680	
UGB-30250-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	680	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31600-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	680	
UGB-31950-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE #1 OPEN TRENCH CONDUIT UP TO 2"	FT	700	
UGB-30700-S - DR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4000	

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE  
CONTRACTOR MUST SUPPLY  
ALL HOPE ACCOUNTS AS  
NOTED BELOW
- 8.7' HOPE CONFIGURATION  
4.2' LEVEL(3)
- BLACK W/ PURPLE STRIPE
  - BLACK W/ ORANGE STRIPE
  - BLACK W/ GREEN STRIPE
  - BLACK W/ BROWN STRIPE
  - 2" FIBERLIGHT
  - BLACK W/ RED STRIPE
  - BLACK W/ BLUE STRIPE
  - 2" CYRUSHOPE
  - BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

NO.	DATE	END DESIGN
1		
2-3-18		PROVISION 1
11-13-18		ORIGINAL
		DRAWING COMMENT

**Level(3)**  
ENGINEERS

LEVEL 3 ENGINEER  
KEITH HALL

ENGINEERING FIRM  
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1033 WESTPARK  
EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE: VERT 1"=5'

SHEET 28A OF 31

ES&T IDENTICAL/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  
1-800-545-0000  
48 HOUR NOTICE REQUIRED

HOUSTON, TX  
FORT BEND COUNTY

144F  
REV: 0  
DATE: 0

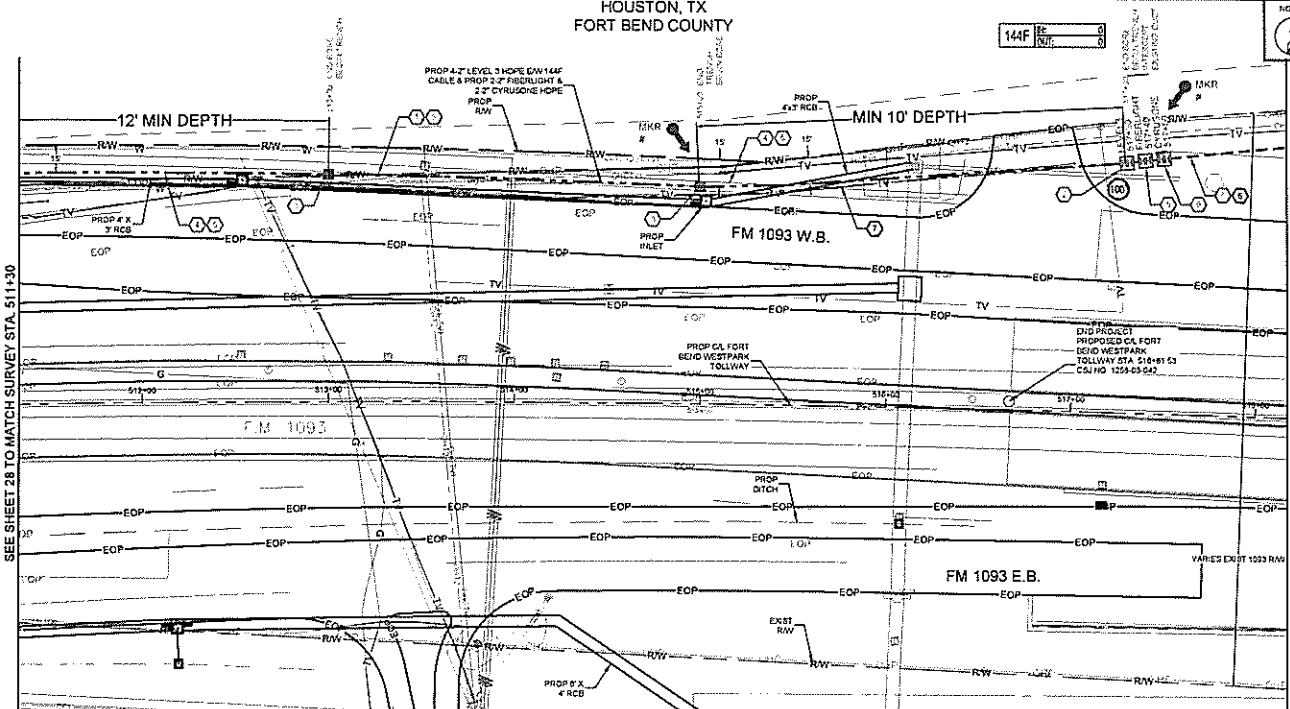


CONSTRUCTION NOTES

- 1 CONDUIT OVER LEVELS  
CONDUIT LENGTH 200'  
CONDUIT SIZE 2"  
CONDUIT TYPE: HDPE  
NOTES: SEE 301-144F R.H.H.
- 2 LEVELS IN HOLE  
CONDUIT LENGTH 100'  
CONDUIT SIZE 2"  
CONDUIT TYPE: HDPE  
NOTES: SEE 301-144F R.H.H.
- 3 CONDUIT OVER LEVELS  
CONDUIT LENGTH 400'  
CONDUIT SIZE 2"  
CONDUIT TYPE: HDPE  
NOTES: BORE 8-2" HOPE
- 4 CABLE PILES: 144F  
CABLE OVER LEVELS  
CABLE LENGTH 700'
- 5 CONDUIT OVER LEVELS  
CONDUIT LENGTH 600'  
CONDUIT SIZE 2"  
CONDUIT TYPE: HDPE
- 6 CABLE PILES: 144F  
CABLE OVER LEVELS  
CABLE LENGTH 800'
- 7 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 8 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 9 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 10 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 11 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 12 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 13 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 14 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 15 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 16 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 17 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 18 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 19 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE
- 20 CONDUIT OVER LEVELS  
CONDUIT LENGTH 1000'  
CONDUIT TYPE: HDPE

CONTRACTOR NOTE:  
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" FIBERGLASS
- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 2" CYRUSONE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE



SEE SHEET 28 TO MATCH SURVEY STA. 511+30

SEE SHEET 30 TO MATCH SURVEY STA. 518+20

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 4-2" HOPE EDR 8	FT	600	
MAT-00270 - TIER 15 33"x48"x36" WITH KNOCK-OUTS AND RACKING INCLUDING COVER	EA	3	
MAT-00350 - CONDUIT WYE CAST 2"	EA	1	
MAT-00200 - WARNING TAGS AND/OR MARKERS	EA	2	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	200	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	200	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30050-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN EDR)	FT	780	
UGB-31270-S - PLACE NEW 30"x45"x36" 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	600	
UGB-30270-S - INTERCEPT CONDUIT WYE CAST 2"	EA	1	
UGB-31800-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1400	
UGB-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2000	

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)**  
ENGINEERS

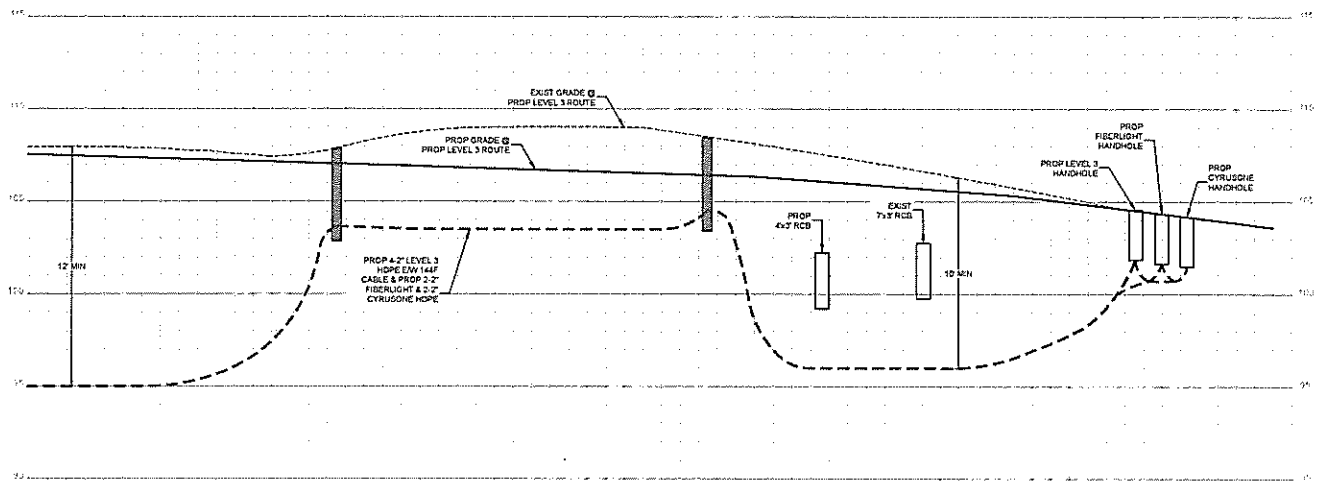
LEVELS ENGINEER  
KETH HALL  
ENGINEERING FIRM  
SOUTHERN FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EAST HOUSTON, HOUSTON, TX  
DRAWING NAME

SCALE: 1/8" = 1'-0"  
SHEET 29 OF 31  
EOP: ENCL. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

HOUSTON, TX  
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE**  
CONTRACTOR MUST SUPPLY ALL HOPE COMPONENTS AS NOTED BELOW
- 8" 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" CYRUSOHC**
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

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NO.	DATE	ENG. REVISION
2-2-18		AS-BUILT
11-13-13		ORIGINAL
DATE	BY	COMMENT

**Level(3)**  
LEVEL 3 ENGINEER

KEITH HULL  
ENGINEERING FIRM  
CIVIL FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1033 WESTPARK  
EXTENSION - HOUSTON, TX  
DRAWING NAME

SCALE: VERT. 1"=5'  
SHEET: 28A OF 31  
CONFIDENTIAL/PROPRIETARY



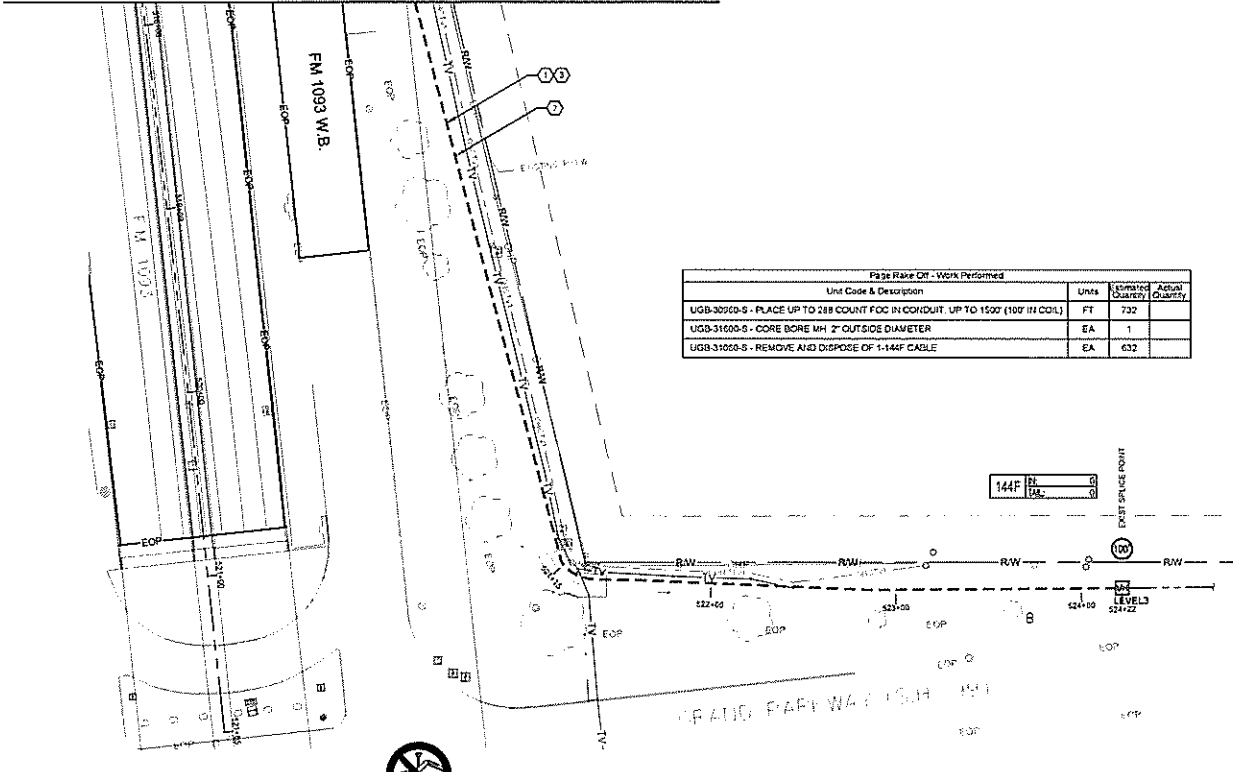
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE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

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

HOUSTON, TX  
FORT BEND COUNTY



SEE SHEET 29 TO MATCH SURVEY STA. 517+90



Page Rate Off - Work Performed			
Unit Code & Description	Units	Contract Quantity	Actual Quantity
UGB-30700-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' III CCL)	FT	732	
UGB-31600-S - CORE BORE MH 2" OUTSIDE DIAMETER	EA	1	
UGB-31650-S - REMOVE AND DISPOSE OF 1-144F CABLE	EA	632	

CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVEL  
CONDUIT LENGTH 632'  
CONDUIT QTY: 8  
CONDUIT SIZE: 7"  
CONDUIT TYPE: HOPE
- 2 CABLE FEEDS: 144F  
CABLE OWNER: LEVEL3  
CABLE LENGTH: 732'  
ACCESS: UTILIZE EXISTING CONDUIT
- 3 CABLE FEEDS: 144F  
CABLE OWNER: LEVEL3  
CABLE LENGTH: 632'  
NOTES: REMOVE 144F CABLE

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

- 8" 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
- 3" CYRULONE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

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

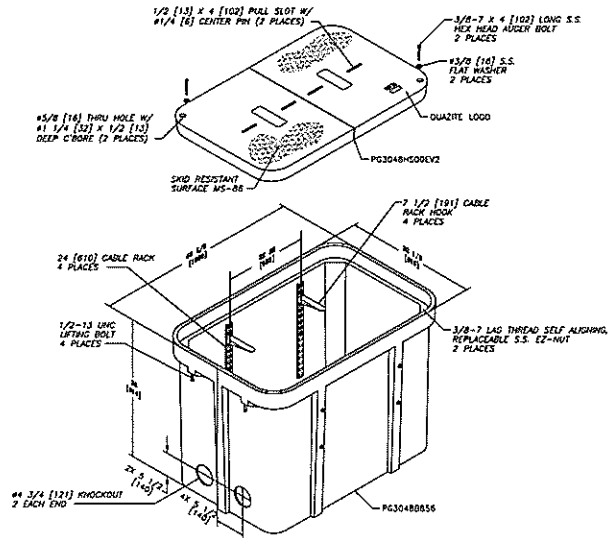
PROJECT NUMBER  
LOCATION: FM 1093 WESTPARK  
EXTENSION, HOUSTON, TX  
DRAWING NUMBER

SCALE: HDR 1"=50'  
SHEET 30 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.



**HANDHOLE DETAIL**



**TYPICAL DETAIL - A**

30X48X36 ASSEMBLY  
W/(4) 24" CABLE RACKS  
& (4) 7 1/2" HOOKS  
PG3048Z987EV2  
QUARTZ - 25479685

CONTRACTOR NOTE:  
CONTRACTOR MUST SUPPLY  
ALL HOPE COMPONENTS AS  
NOTED BELOW

3-2" HOPE CONFIGURATION

4-2" LEVEL(D)

- BLACK W/ PURPLE STRIPE
- BLACK W/ ORANGE STRIPE
- BLACK W/ GREEN STRIPE
- BLACK W/ BROWN STRIPE

3-2" FIBERLIGHT

- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE

2-2" CYRUSONE

- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

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NO.	DATE	ENG. DESIGN
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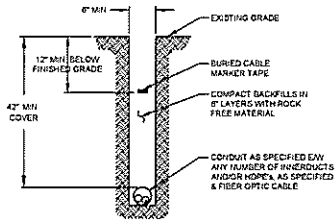
SHEET 30A OF 31  
CONFIDENTIAL/PROPRIETARY

**Level(3)**  
LEVEL ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
FOR ON-SITE FIELD SERVICES  
PROJECT NUMBER  
LOCATION: FM 1033 THE SPANK  
EXTENSION - HOUSTON, TX  
DRAWING TITLE:  
SHEET 30A OF 31  
CONFIDENTIAL/PROPRIETARY

**CONSTRUCTION DETAIL**

**TYPICAL DETAIL "A"**

TRENCH & PLACE CONDUIT



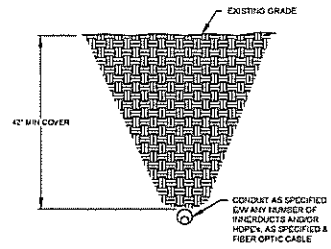
**TYPICAL DETAIL "B"**

CROSS SECTION OF PROPOSED HDPE



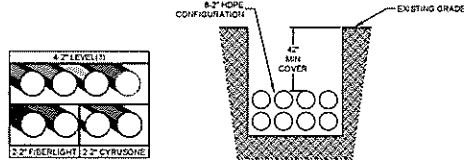
**TYPICAL DETAIL "C"**

DIRECTIONAL BORE CROSS SECTION FOR CONDUIT



**TYPICAL DETAIL "D"**

HDPE CONFIGURATION



4" LEVEL (3)	2" FIBERLIGHT	2" CYRUSONE
<ul style="list-style-type: none"> <li>○ BLACK W/ PURPLE STRIPE</li> <li>○ BLACK W/ ORANGE STRIPE</li> <li>○ BLACK W/ GREEN STRIPE</li> <li>○ BLACK W/ BROWN STRIPE</li> </ul>	<ul style="list-style-type: none"> <li>○ BLACK W/ RED STRIPE</li> <li>○ BLACK W/ BLUE STRIPE</li> </ul>	<ul style="list-style-type: none"> <li>○ BLACK W/ WHITE STRIPE</li> <li>○ BLACK W/ GREY STRIPE</li> </ul>

**8-2" HDPE CONFIGURATION**

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

- 8-2" HDPE 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" CYRUSONE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

NO.	DATE	ENG. DESIGN
1		
2		

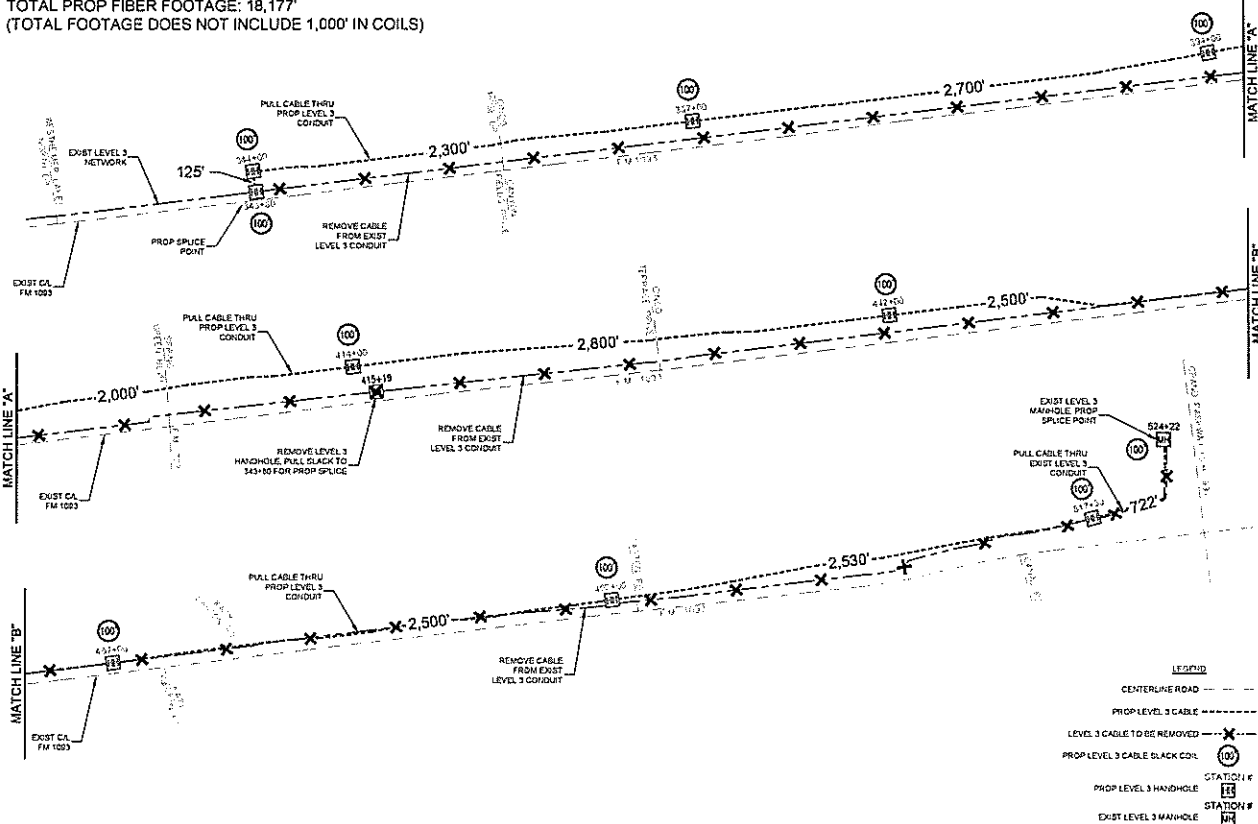
AS-BUILT  
REVISION # 1  
11-13-13 ORIGINAL  
DATE: COMMENT

**Level(3)**  
LEVEL 3 ENGINEER  
KEITH HALL  
ENGINEERING FIRM  
CONSULTING SERVICES  
PROJECT NUMBER  
LOCATION: FM 1023 W. STARK  
EXTENSION - HOUSTON, TX  
DRAWING DATE:

**LEVEL 3 CABLE PULLING SCHEMATIC**  
NOT TO SCALE

**LEVEL 3 CABLE TABULATION**  
 TOTAL FIBER PLACED IN PROP DUCT: 17,455'  
 TOTAL FIBER PLACED IN EXIST DUCT: 722'  
 TOTAL PROP FIBER FOOTAGE: 18,177'  
 (TOTAL FOOTAGE DOES NOT INCLUDE 1,000' IN COILS)

**CONSTRUCTION NOTE:**  
 FIBERLIGHT & CYRUSONE HANDHOLES  
 NOT SHOWN FOR CLARITY



**CONTRACTOR NOTE:**  
 CONTRACTOR MUST SUPPLY ALL HOPE COORDINATE AS NOTED BELOW  
 8" HOPE CONFIGURATION  
 4" LEVEL(S)  
 ○ BLACK W/ PURPLE STRIPE  
 ○ BLACK W/ ORANGE STRIPE  
 ○ BLACK W/ GREY STRIPE  
 ○ BLACK W/ BROWN STRIPE  
 ○ 3" FIBERLIGHT  
 ○ BLACK W/ RED STRIPE  
 ○ BLACK W/ BLUE STRIPE  
 ○ 2" CYRUSONE  
 ○ BLACK W/ WHITE STRIPE  
 ○ BLACK W/ GREY STRIPE

**LEGEND**

---	CENTERLINE ROAD
---	PROP LEVEL 3 CABLE
---	LEVEL 3 CABLE TO BE REMOVED
○	PROP LEVEL 3 CABLE SLACK COIL
⊗	PROP LEVEL 3 HANDHOLE
⊗	EXIST LEVEL 3 HANDHOLE
○	STATION #
⊗	STATION #

NO.	DATE	ENG. DESIGN
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31		

**Level 3**  
 LEVEL 3 ENGINEER  
 KEITH HALL  
 ENGINEERING FIRM  
 SON DEN FELD SERVICES  
 PROJECT NUMBER  
 LOCATION: FM 1093 WESTFRANK  
 EXTENSION - HOUSTON, TX  
 DRAWING NAME  
 SHEET 30C OF 31  
 CORP. IDENT. # PROP. 1471

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 FOC IN CONDUIT, UP TO 1500' (1,000' IN COIL)	FT	19,177	
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-31060-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	39	

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-90380 - 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
- 5-2" HDPE CONFIGURATION
- 4-2" (LEVEL3)
- 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" CYRUSOPE
- BLACK W/ WHITE STRIPE
  - BLACK W/ GREY STRIPE

1		
2		
3		
NO.	DATE	ENG. DESIGN
2-2-16		AS-BUILT
11-12-15		REVISION # 1
DRAWING		CONTRACT

**Level(3)**  
 ENGINEERING FIRM  
 GOLDEN FIELD SERVICES  
 PROJECT NUMBER  
 LOCATION: 141155555 PARK  
 EXTENSION - HOUSTON, TX  
 DRAWING NUMBER

# Exhibit B

## Zayo Construction Cost Estimate

\_\_\_\_\_  
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**

\_\_\_\_\_  
Date  
Fort Bend County

DA  
Initial  
Zayo

2-21-16  
Date

# 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

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

Date Acknowledged:

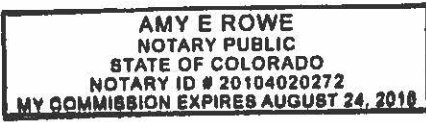
3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the goods or services to be provided under the contract.

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-Arledge*  
 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 11<sup>th</sup> day of 10<sup>th</sup> 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