

STANDARD UTILITY AGREEMENT

U-0018: FiberLight, LLC
County: Fort Bend
Highway: FM 1093 Westpark Extension

This Agreement by and between the County of Fort Bend, Texas, ("**County**"), and **FiberLight, 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 28, 2016
Completion Date – May 16, 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. In no event shall any betterment apply nor be deducted from **Utility's** costs and associated **County** payments.

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 ninety (90) days after completion of the work.

Date
Fort Bend County

WPC 3/14/16
Initial Date
Fiberlight

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 (ninety) 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 (including adverse weather that reasonably impacts the **Utility's** ability to perform their work), 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**.

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 at no fault of the **Utility**, 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 documented costs incurred by the **Utility** in preparation of this Agreement, including but not limited to administrative and project management time, and materials attributable to this relocation.

LIMITATIONS OF LIABILITY. NEITHER PARTY SHALL BE LIABLE IN ANY COURT ACTION INITIATED BY A PARTY OR ANY THIRD PARTY FOR ANY INDIRECT, CONSEQUENTIAL, SPECIAL, INCIDENTAL, RELIANCE, OR PUNITIVE DAMAGES OF ANY KIND OR NATURE WHATSOEVER, INCLUDING, WITHOUT LIMITATION, ANY LOST PROFITS, LOST REVENUE, LOST SAVINGS OR ANY OTHER BUSINESS LOSS INCLUDING GOODWILL, LOSS OF USE OF PROPERTY, LOSS OF DATA, AND CLAIMS FOR DAMAGES OR HARM TO BUSINESS REGARDLESS OF FORSEEABILITY OR WHETHER DAMAGES ARE CAUSED BY THE NEGLIGENCE, INTENTIONAL ACTS OR OMISSIONS OR WILLFUL MISCONDUCT ARISING FROM OR RELATED TO THIS AGREEMENT, DIRECTLY OR INDIRECTLY. NOTWITHSTANDING THE FOREGOING, UTILITY SHALL BE LIABLE FOR ANY COSTS COUNTY IS OBLIGATED TO PAY UNDER A CONSTRUCTION AGREEMENT WITH A THIRD PARTY DUE TO DELAYS CAUSED BY THE SOLE NEGLIGENCE OF UTILITY'S FAILURE TO COMPLETE WORK BY STATED COMPLETION DATE.

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

_____	_____	<u>MBE</u>	<u>3/14/16</u>
	Date	Initial	Date
Fort Bend County			Fiberlight

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.

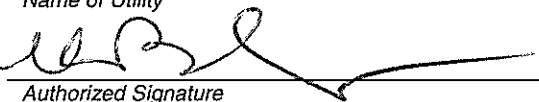
The **Utility** by execution of this agreement does not waive any of the rights which **Utility** may have within the limits of the law.

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. This limitation shall not apply to any damages attributable to the negligence of the County.

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

UTILITY

Utility: FiberLight, LLC
Name of Utility

By: 
Authorized Signature

Kevin B. Coyne
Print or Type Name

Title: Chief Financial Officer

Date: 3/14/16



Date
Fort Bend County

 3/14/16
Initial Date
Fiberlight

EXECUTION RECOMMENDED:

COUNTY

By: _____
Robert E. Hebert, County Judge

Date: _____

ATTEST:

By: _____
Laura Richard, County Clerk

APPROVED:

By: _____
Richard W. Stolleis, P.E., County Engineer

APPROVED AS TO LEGAL FORM:

By: _____
Marcus D. Spencer, First Assistant County Attorney

AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$_____ to accomplish and pay the obligation of Fort Bend County under this contract.

Robert Ed Sturdivant, County Auditor

Date
Fort Bend County

RES *3/14/16*
Initial Date
Fiberlight

Exhibit A

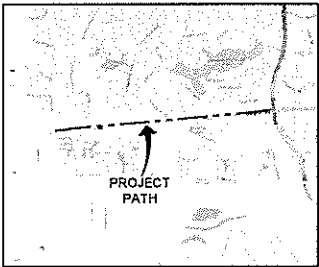
FiberLight Plans & Specifications

(62 Pages that Follow)

Date
Fort Bend County

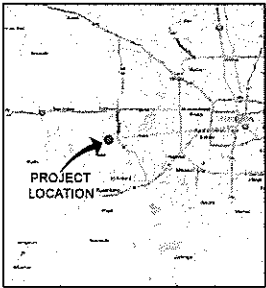
WSE 3/14/16
Initial Date
Fiberlight

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
ERIK BAKER 832-357-3282

PROJECT INDEX
1 - COVER SHEET
2 - LEGEND
2A - GENERAL NOTES 1
2B - GENERAL NOTES 2
3 - INDEX SHEET
4-10 - CONSTRUCTION PLANS
& PROFILES
35A-35S - CONSTRUCTION
DETAILS
36C - LEVEL 3 CABLE
PULLING SCHEMATIC
37 - RAKE OFF TOTAL

SCOPE OF WORK
REMOVE AND REPLACE 18,177
OF THE EXISTING LEVEL 3
COMMUNICATIONS FIBER
NETWORK & PLACE 8.5" HDPE
CONDUIT & 21 HAHOLES IN
THE NORTH RIGHT-OF-WAY OF
P.M. 1093 & WESTPARK
TOLLWAY DUE TO CITY OF
HOUSTON INFRASTRUCTURE
EXPANSION OF WESTPARK
TOLLWAY

PROJECT DESCRIPTION
CLIENT: HOUSTON
CITY: HOUSTON
COUNTY: FORT BEND
STATE: TEXAS
PROJECT CODE: 77448 & 77450
CUSTOMER/CLIENT

1		
2		
3		
NO	DATE	END SECTION
2-3-18		AS-BUILT
11-13-18		WORKON 2.1
DRAFTING		DESIGNER

Level(3)
LEVEL 3 ENGINEER

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

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 (SSW)
---	STORM DRAIN
---	FENCE
---	CABLE TV
---	STEAM
---	DR
---	UNKNOWN UTILITY
---	RIGHT OF WAY
---	EDGE OF PAVEMENT

SYMBOL

SYMBOL	DESCRIPTION
ASW	ASPHALT SIDEWALK
BP	BLACK IRON PIPE
BSW	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
WP	WILE 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/VAULT
	FIRE HYDRANT
	GROUND/BOND
	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 NO.	N/A
UTILITY	0-0

POLE ATTACHMENT CALLOUT - EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO.	N/A
UTILITY	0-0

POLE ATTACHMENT CALLOUT - PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

1	CABLE FIBER/FIBER
	CABLE OWNER LEVEL
	CABLE LENGTH/LENGTH
	ADDED

CABLE SPAN CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50%)

1	CABLE FIBER/FIBER
	CABLE OWNER LEVEL
	CABLE LENGTH/LENGTH
	ADDED

CABLE SPAN CALLOUT - PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50%)

1	CONDUIT OWNER LEVEL
	CONDUIT LENGTH/LENGTH
	CONDUIT CITY CONDUITS
	CONDUIT SIZE/TYPE
	INNER DUCT CITY/INNERDUCTS
	INNER DUCT SIZE/TYPE
	ADDED

CONDUIT CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50%)
WITH OR WITHOUT INNER DUCT INFO

1	CONDUIT OWNER LEVEL
	CONDUIT LENGTH/LENGTH
	CONDUIT CITY CONDUITS
	CONDUIT SIZE/TYPE
	INNER DUCT CITY/INNERDUCTS
	INNER DUCT SIZE/TYPE
	ADDED

CONDUIT CALLOUT - PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50%)
WITH OR WITHOUT INNER DUCT INFO

1	STRAND TYPE/TYPE
	STRAND LENGTH/LENGTH
	ADDED

STRAND CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50%)

1	STRAND TYPE/TYPE
	STRAND LENGTH/LENGTH
	ADDED

STRAND CALLOUT - PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50%)

1	SYMBOL
	CORRESPONDS
	TO
	PHOTO
	LOCATION
	OR ORIENTATION
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	SHEET
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	SITE
	PHOTOGRAPHS

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Level(3)
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1033 WESTFRANK
EXTENSION: HOUSTON, TX
DRAWING NUMBER

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 6 INCHES. DRIVEWAYS WILL BE REPLACED WITH LIKE KIND.

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NO.	DATE	ENG. DESIGN
2-12-18		AS-BUILT
11-13-13		REVISION # 1
DRAWING		COMMENT
Level(3) ENGINEERS		
LEVEL 3 ENGINEER KEITH WALL		
ENGINEERING FIRM GOLDEN FIELD SERVICES		
PROJECT NUMBER		
LOCATION: FM 1033 WESTPARK EXTENSION - HOUSTON, TX		
DRAWING NAME		
SHEET 2A OF 31		
ECONOMICAL/PROFITABLE		

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 THIS 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

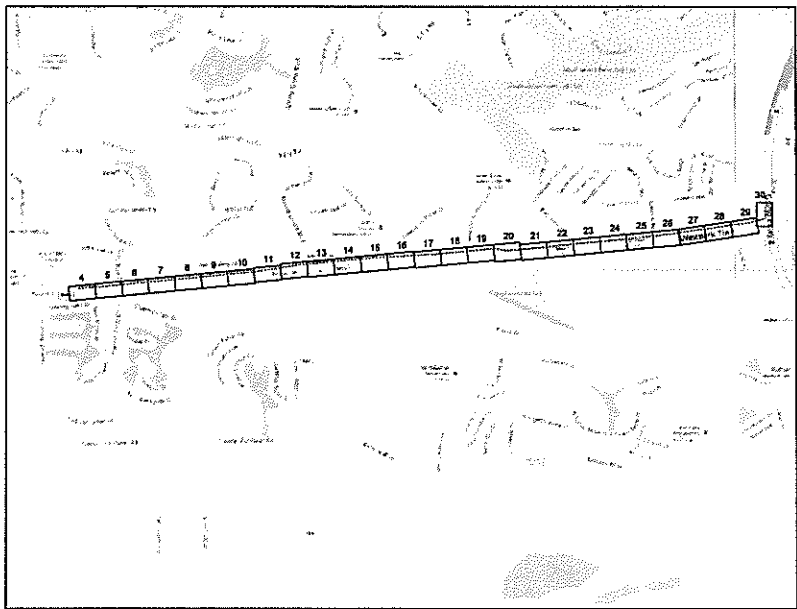
LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTERSTATE PIPELINE LLC WHERE APPLICABLE) ARE SHOWN IN APPROXIMATE LOCATION ONLY. SERVICES LINES ARE NOT USUALLY SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING 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.

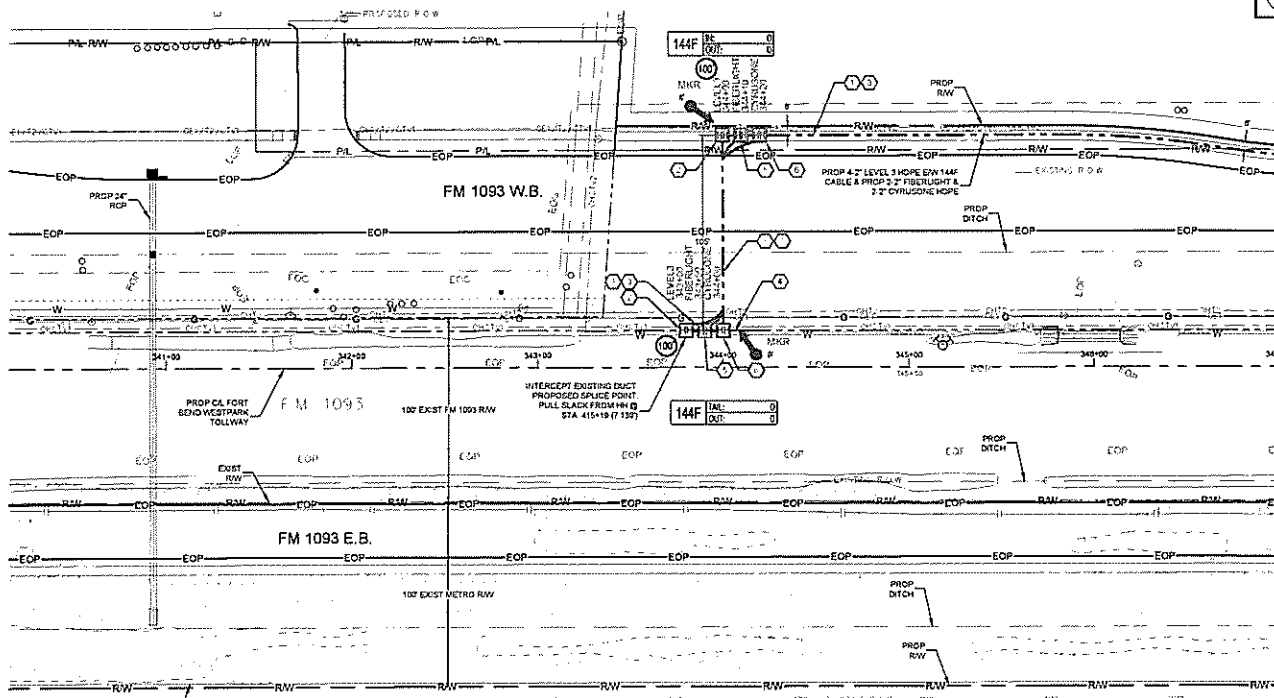
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NO	DATE	END DESIGN
2-2-18		AS-BUILT
11-13-18		REVISION # 1
DATE THIS		COMMENT
Level(3) CONSULTANTS		
LEVEL 3 ENGINEER KEITH HALL		
ENGINEERING FIRM GOLDEN FIELD SERVICES		
PROJECT NUMBER		
LOCATION: FM 1093 WEST PARK EXTENSION - HOUSTON, TX		
DRAWING NAME		
SHEET 28 OF 31		
CONT: IDENTICAL PROPOSED EARY		

INDEX SHEET



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NO.	DATE	ENG. DESIGN
2-2-18		AP-BUL
11-15-18		REVISION # 1
DRAWING		ORIGINAL
DRAWING		REVISION
Level(3) CONSULTANTS		
LEVEL 3 ENGINEER: KEITH HALL		
ENGINEERING FIRM: GOLDER FELD SERVICES		
PROJECT NUMBER:		
LOCATION: 1000 WEST PARK EXTENSION - HOUSTON, TX		
DRAWING NAME:		
SHEET 3 OF 31		
CONFIDENTIAL/PROPRIETARY		

HOUSTON, TX
FORT BEND COUNTY



SEE SHEET 5 TO MATCH SURVEY STA. 347+00

- CONSTRUCTION NOTES**
1. EXIST. OPEN LEVELS
CONDUIT LOCATED 425'
CONDUIT DIA. 8"
CONDUIT TYPE HDPE
NOTE: BENCH 8-2' 100'
 2. 100' INVOLE - 2
DIA. 100' (1-144\"/>

3. CABLE PERCS: 144F
CABLE DIA: 100'S
CABLE LENGTH 425'
4. CABLE FIBERS: 144F
CABLE DIA: 100'S
CABLE LENGTH 425'
NOTES: REMOVE 144F CABLE
FIBER OPTIC - 2
5. CRUSHE INVOLE - 2

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

- 6-2\"/>

NO.	DATE	THE DESIGN
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2-12-18		AS-BUILT
11-13-18		REVISION #1
04/18/19		ORIGINAL CONDUIT

Level(3)
ENGINEERS

LEVEL 3 ENGINEER
KEITH WALL
ENGINEERING FIRM
CONCRETE FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING NAME

SCALE: HOR. 1\"/>

Page Name Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HDPE SDR 9	FT	425	
MAT-80970 - TIER 15 33"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	6	
MAT-92910 - WARNING TAGS AND/OR MARKERS	EA	2	

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	426	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	426	
UGB-30060-S - PLACE UP TO 218 CONDUIT FOC IN CONDUIT UP TO 1500' (20W IN COW)	FT	625	
UGB-31270-S - PLACE NEW .359x49x35" - NON-CONDUITE HANDLEHOLE	EA	6	
UGB-31090-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	300	
UGB-30230-S - INTERCEPT CONDUIT WYE CAST 2"	EA	1	
UGB-31030-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30160-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,635	

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

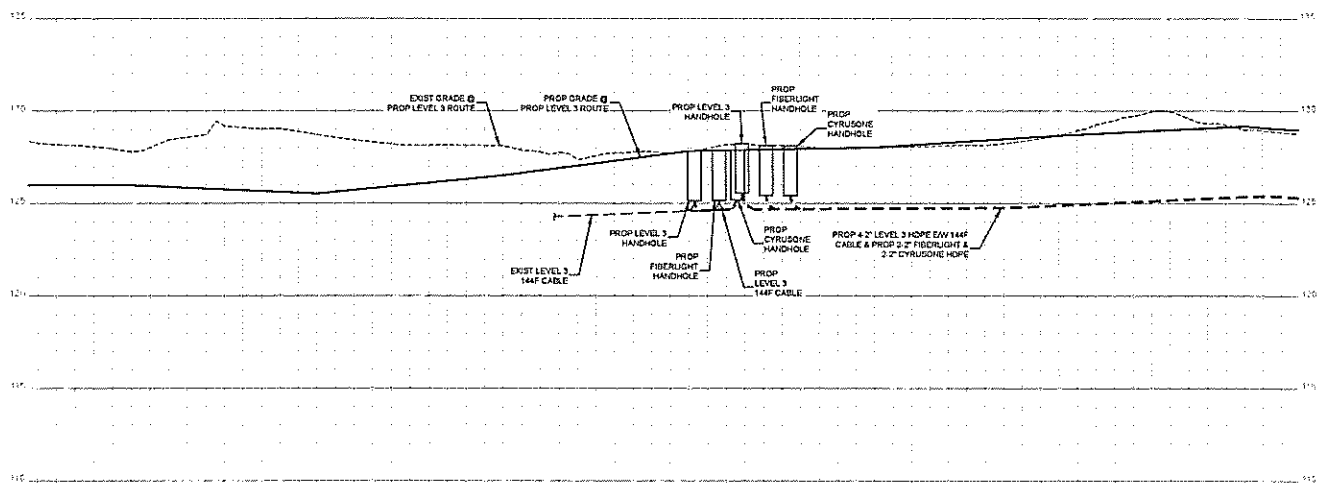


CALL BEFORE YOU DIG
1-800-545-6000
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
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Level(3)

LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1003 WESTPARK
EXTENSION - HOUSTON, TX
DRAWN BY: TMM

SCALE: VERT 1"=5'
SHEET 4A OF 31
CONFIDENTIAL/PROPRIETARY

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



CALL BEFORE YOU DIG
1-800-543-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CABLE OVER LEVELS
COUNT LENGTH 144F
CABLE TYPE: 8
CABLE SIZE: 1/2
CABLE TYPE: HOPE
NOTE: TRENCH 8-2" HOPE
2. CABLE OVER LEVELS
COUNT LENGTH 144F
CABLE TYPE: 8
CABLE SIZE: 1/2
CABLE TYPE: HOPE
NOTE: TRENCH 8-2" HOPE
3. CABLE OVER LEVELS
COUNT LENGTH 144F
CABLE TYPE: 8
CABLE SIZE: 1/2
CABLE TYPE: HOPE
NOTE: TRENCH 8-2" HOPE

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

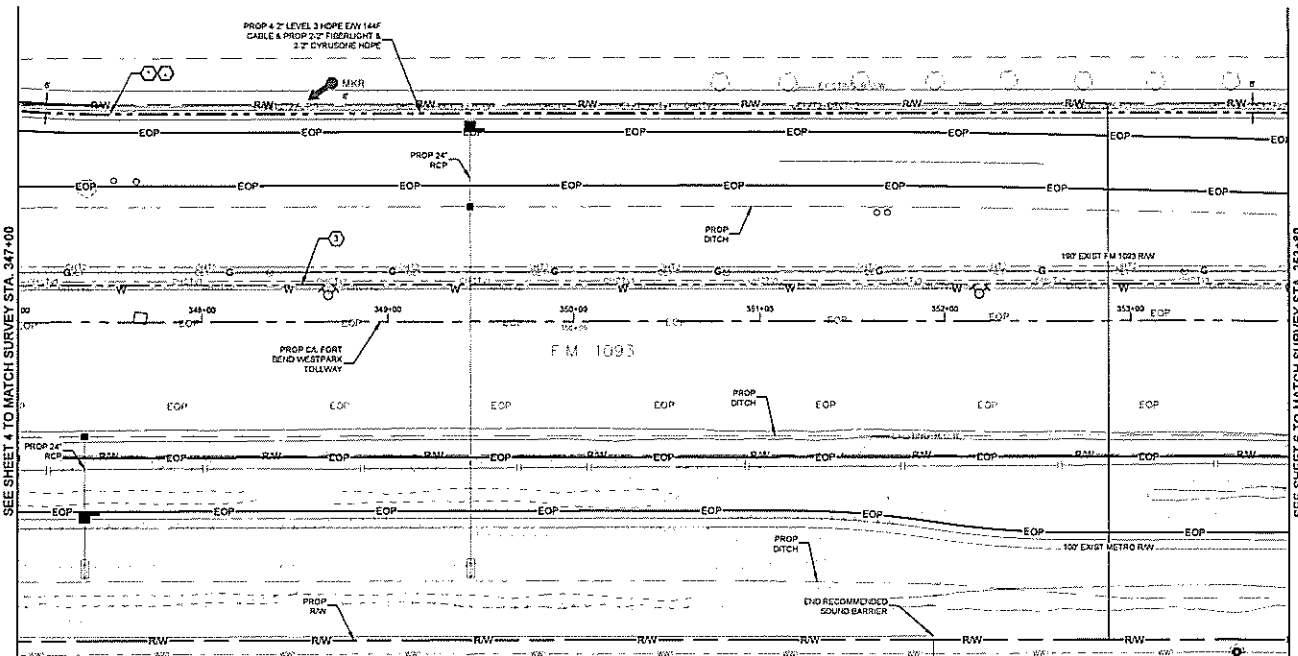
- 8-2" HOPE CONFIGURATION
- 4-2" LEVELS
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLASS
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	ENG. DESIGN
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2-12-18		AS-BUILT
11-13-15		REVISION 1
DRAWING		COMMENT

Level(3)

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

SCALE: HORIZ 1"=40'
SHEET 5 OF 31
CONFIDENTIAL/PROPRIETARY



Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HOPE SDR 9	FT	650	
MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	1	



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

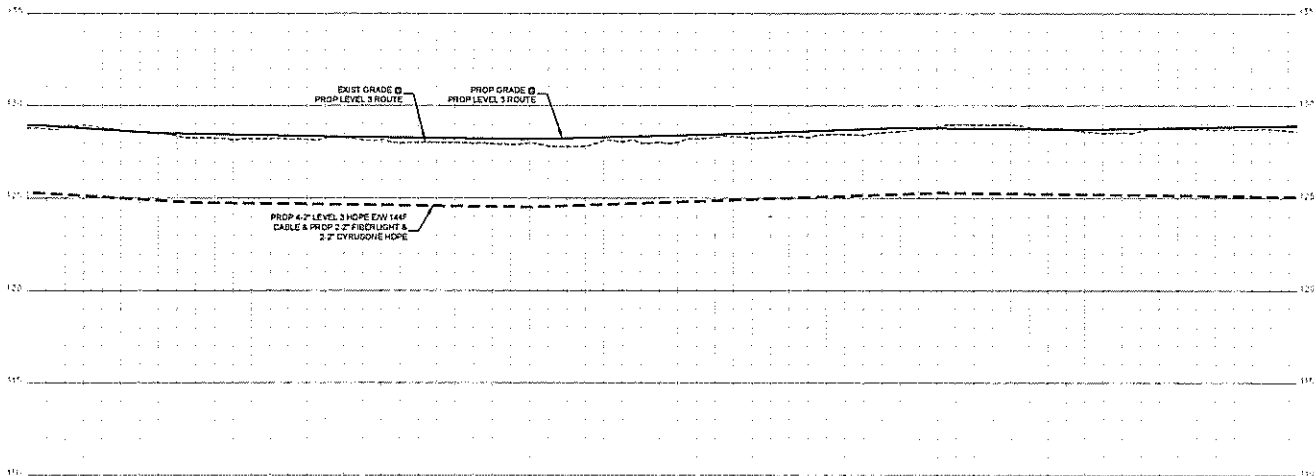
Page Make Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGD-30250-S - TRENCH GREATER THAN 1500' TRENCH 45" MINIMUM COVER	FT	650	
UGD-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	650	
UGD-30250-S - PLACE UP TO 289 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGD-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGD-31050-S - PLACE LOCATE MARKER POST	EA	1	
UGD-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4760	

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE COUNTS AS
NOTED BELOW

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4.2\"/>

BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN 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

2-2-18 REVISED

11-13-18 ORIGINAL

DATE COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH WILL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1013 W/ ST PARK

EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE: VERT. 1\"/>

SHEET SA OF 31

CSW/SEN/ALP/ROD/ST/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
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CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OVER LVL 3
CONDUIT LENGTH 250'
CONDUIT QTY: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: SEE 8-2" HOPE
2. PROPOSED BORE
1. CONDUIT OVER LVL 3
CONDUIT LENGTH 450'
CONDUIT QTY: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: SEE 8-2" HOPE
3. CABLE (E800) 144F
CABLE OVER LVL 3
CABLE LENGTH 500'
NOTES: SEE 144F CABLE
4. CABLE (E800) 144F
CABLE OVER LVL 3
CABLE LENGTH 500'
NOTES: SEE 144F CABLE

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

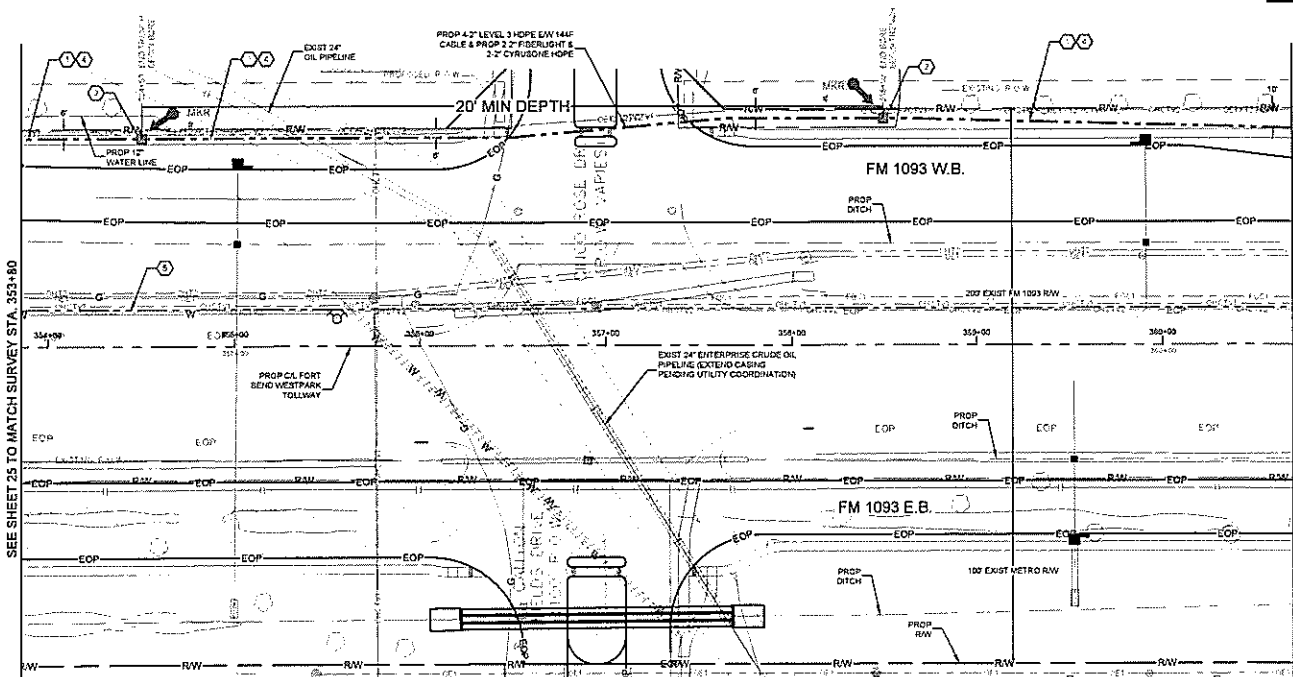
- 8-2" HOPE CONFIGURATION
- 4" (LEVEL 3)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	ENG. DESIGN
1		AS-BUILT
2-5-18		REVISION # 1
11-13-18		ORIGINAL
DATE/TIME		COMMENT

Level(3)
CONSTRUCTORS

LEVEL 3 ENGINEER
KEITH HALL
THOMAS FARM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING NAME

SCALE: HORIZ. 1"=50'
SHEET: 6 OF 31
CONFIDENTIAL/HOPE L&E



SEE SHEET 25 TO MATCH SURVEY STA. 353+80

SEE SHEET 27 TO MATCH SURVEY STA. 360+70

Page Raise Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-2" HOPE SDR 8	FT	500	
MAT-02050 - WARNING TAGS AND/OR MARKERS	EA	2	



CALL BEFORE YOU DIG
1-800-547-6005
48 HOURS NOTICE REQUIRED

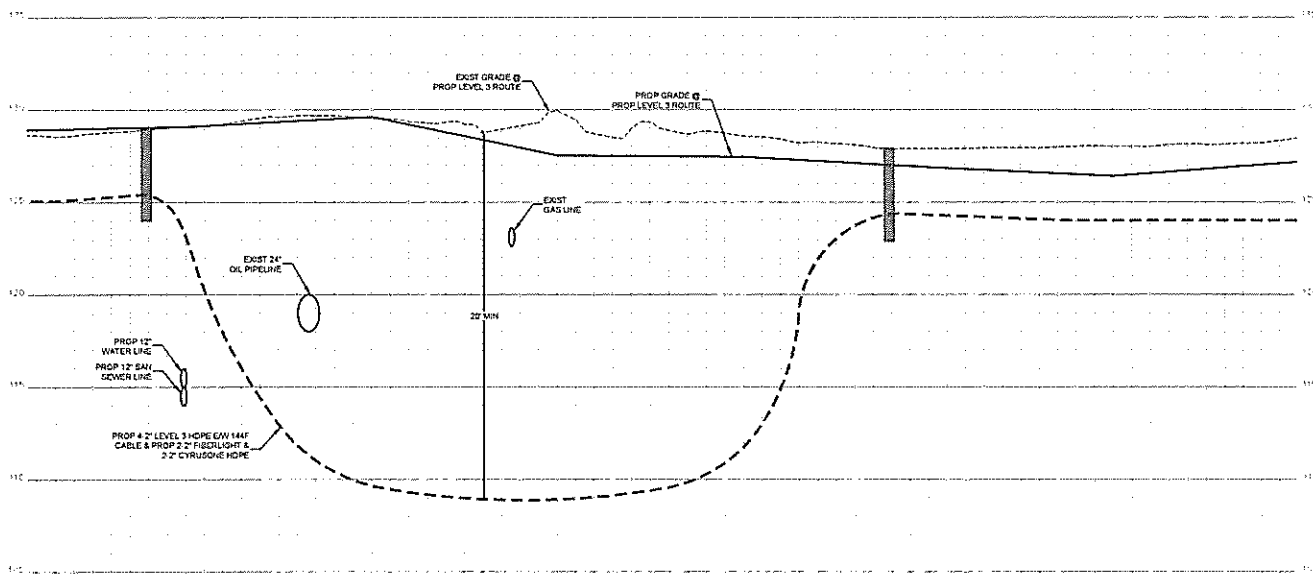
Page Raise Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	200	
UGB-30140-S - PLACE 1- HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	200	
UGB-30200-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30250-S - PLACE UP TO 250 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-31640-S - EXCAVATE SMALL PIT 6'x4'x5'	EA	2	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	2	
UGB-33150-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.

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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BLACK W/PURPLE STRIPE

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BLACK W/GRY STRIPE

NO DATE ENG DESIGN

3-3-18 REVISION # 1

11-13-18 ORIGINAL

DRAWING CONTRACT

Level(3)

LEVEL 3 ENGINEER

KETH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: TX 155 W/ESTPARK

EXTENSION - HOUSTON, TX

DRAWING NOTE

SCALE: VERT 1\"/>

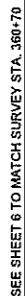
SHEET 6A OF 31

CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S
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CALL BEFORE YOU DIG
1-800-545-6000
48 HOURS NOTICE REQUIRED



SEE SHEET 8 TO MATCH SURVEY STA. 367+60

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

- 4-7 LEVEL(G)
- ☐ 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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11-13-15		REVISION # 1
		ORIGINAL



COMMUNICATIONS
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 7 OF 31

CONFIDENTIAL/PROPRIETARY



CALL BEFORE YOU DIG
1-800-445-6005
48 HOURS NOTICE REQUIRED

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS 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.

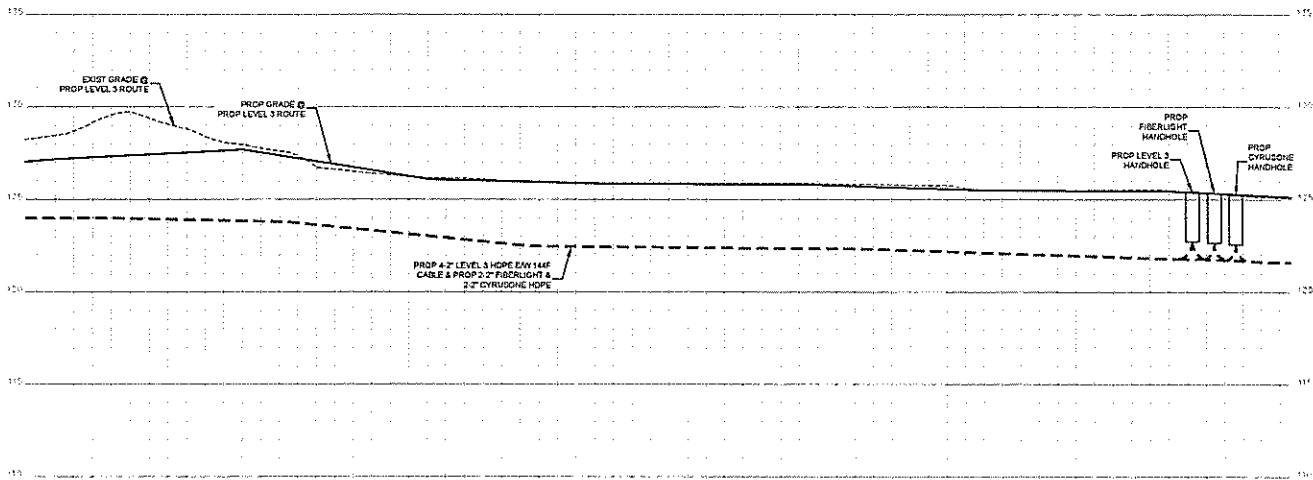
Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT.00150 - CONDUIT 3/4" HDPE SDR-9	FT	630	
MAT.00970 - TIE 15 3/2"x45"x3/8" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT.02000 - WARNING TAGS AND/OR MARKERS	EA	1	

Page 14 of 14 - Work Performance				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UGB-30050-5. TRENCH MARKERS UNTO TRENCH 48" MINIMUM COVER	FT	650		
UGB-30140-5. PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	650		
UGB-30050-5. PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COIL)	FT	780		
UGB-31270-5. PLACE NEW: 30"x45"x36" NON-CONCRETE MARKHANDLE	EA	3		
UGB-31000-5. REMOVE AND DISPOSE OF 1-144F CABLE	FT	650		
UGB-31050-5. PLACE LOCATE MARKER POST	EA	1		
UGB-30150-5. PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4.630		

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE COORDINATES AS
NOTED BELOW

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

Level(3)

LEVEL 3 ENGINEER

KATH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1051 WESTPARK

EXTENSION, HOUSTON, TX

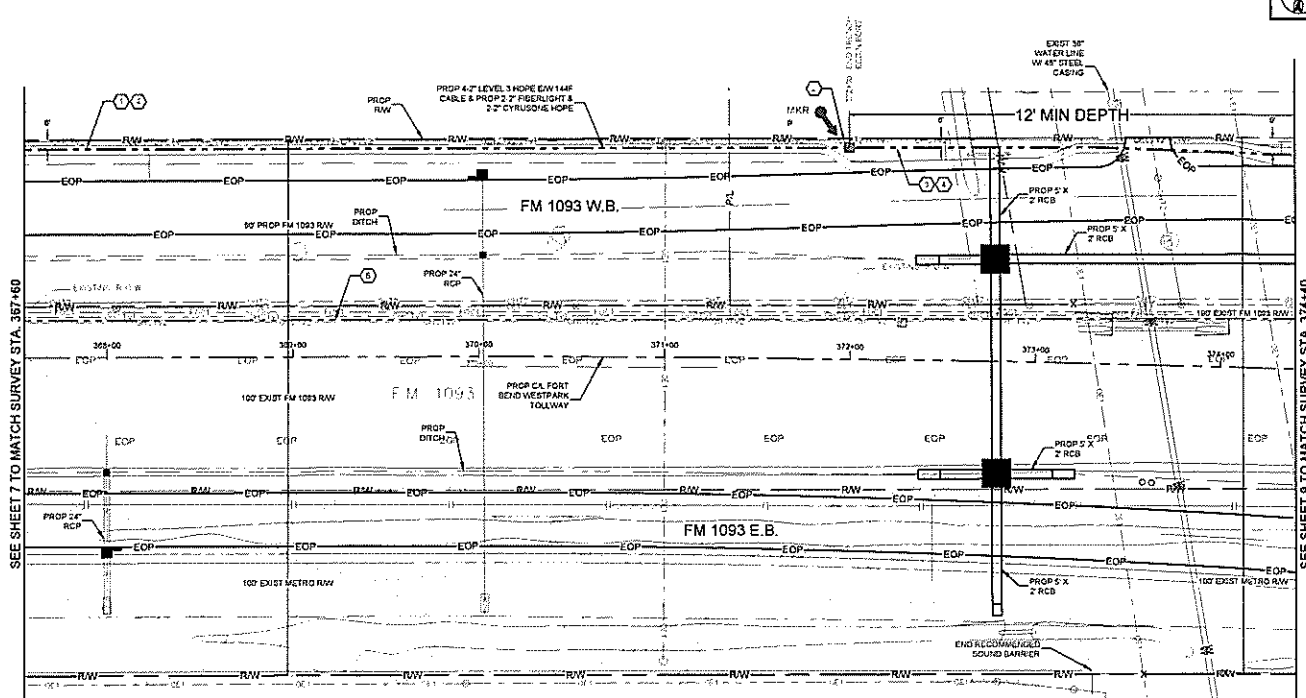
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SCALE: VERT 1\"/>

SHEET 7A OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- CONDUIT OWNER LEVELS
CONDUIT LENGTH 440'
CONDUIT DIA. 8"
CONDUIT TYPE HOPE
NOTES: TRENCH 8'-2" HOPE
- PROPOSED SDR 9
- CONDUIT OWNER LEVELS
CONDUIT LENGTH 288'
CONDUIT DIA. 8"
CONDUIT TYPE HOPE
NOTES: TRENCH 8'-2" HOPE
- CABLE FIBERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 600'
- CABLE FIBERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 600'

NOTES: REMOVE 144F CABLE

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

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

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Level 3
LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
SOUTH FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWN BY: TMM

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

Page Blank Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8'-2" HOPE SDR 9	FT	680	
MAT-02200 - WARNING TAGS AND/OR MARKERS	EA	1	

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Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-10055-S - TRENCH GREATER THAN 1500' TRENCH 42" MINIMUM COVER	FT	440	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	440	
UGB-30530-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	240	
UGB-30910-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	1	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31590-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,080	
UGB-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,680	

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

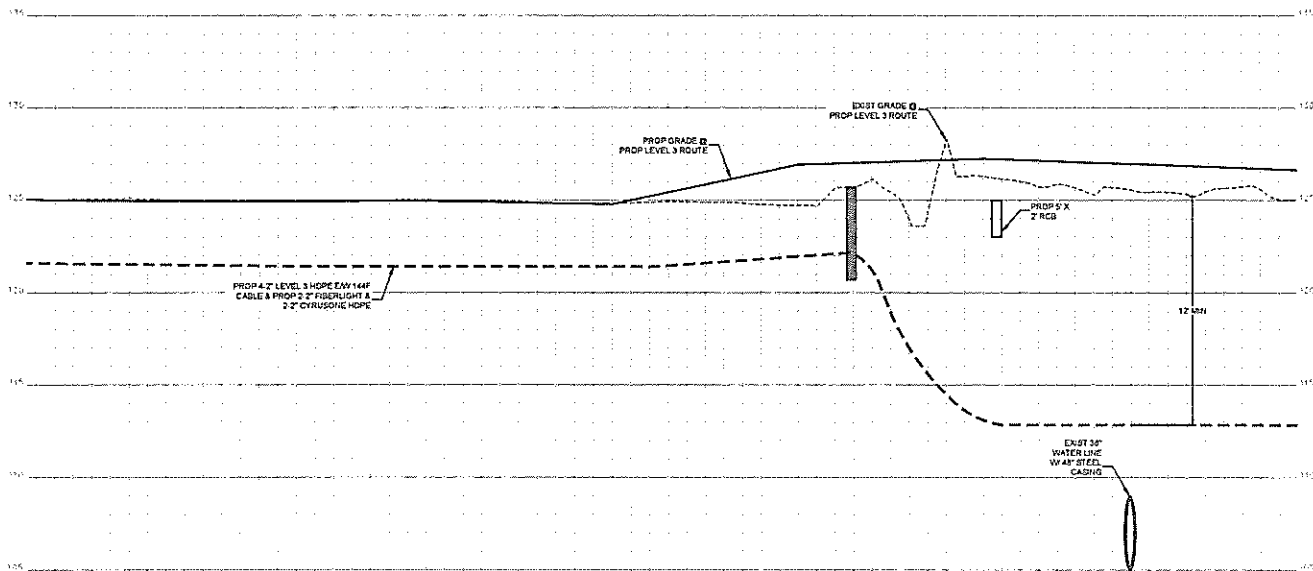


CALL BEFORE YOU DIG
1-800-542-6255
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE COORDINATES AS
NOTED BELOW

8\"/>

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BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN 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

NO DATE ENG DESIGN

2-5-18 REVISION # 1

11-13-18 ORIGINAL

DRAWING COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

GOLDEN FIELDS SERVICES

PROJECT NUMBER

LOCATION FM 1033 WESTPARK

EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE VERT 1\"/>

SHEET 8A OF 31

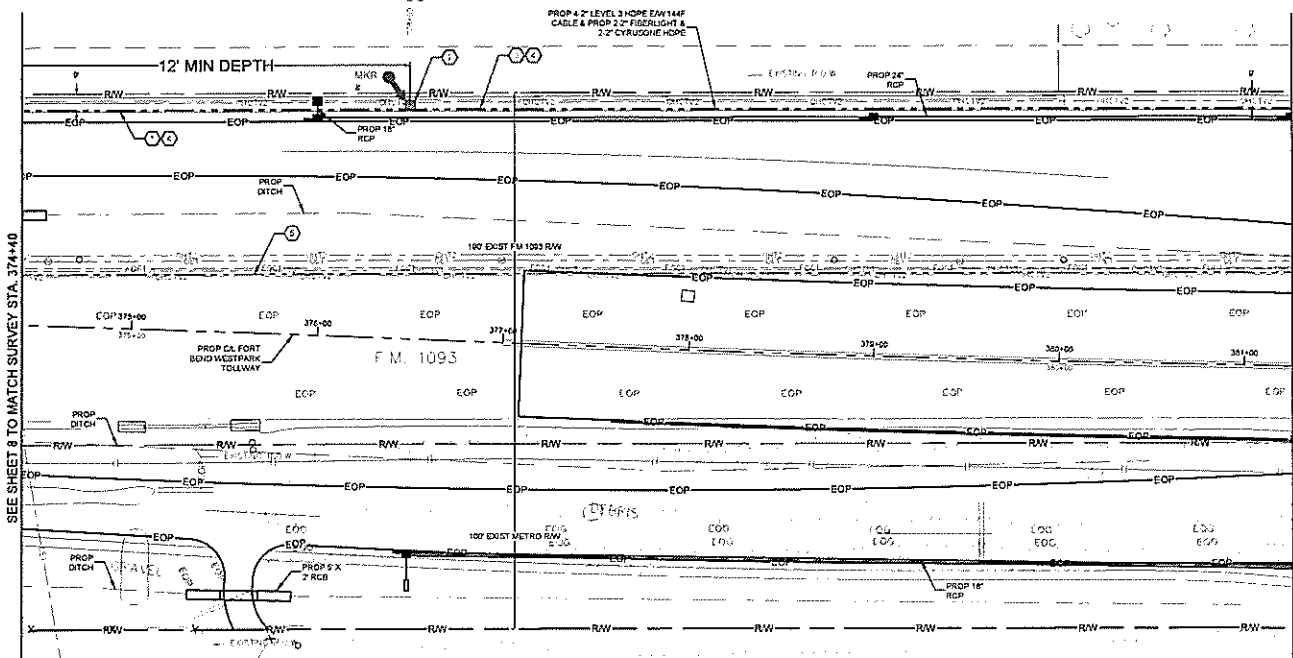
CONFIDENTIAL/PROPRIETARY

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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 210'
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: BORE 8-1/2" HOPE
2. PROPOSED BORE
3. CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 400'
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: BORE 8-1/2" HOPE
4. CABLE PIPES: 114F
CABLE OWNER: LDCS
CABLE LENGTH 500'
5. CABLE PIPES: 114F
CABLE OWNER: LEVEL 3
CABLE LENGTH 500'
NOTES: REMOVE 114F CABLE

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

8-1/2" HOPE CONFIGURATION

4-2" LEVEL(2)

BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN STRIPE

2" FIBERLIGHT

BLACK W/ RED STRIPE

BLACK W/ BLUE STRIPE

2" CYRUSONE

BLACK W/ WHITE STRIPE

BLACK W/ GREY STRIPE

1

2

DATE

ENG. DESIGN

AS-BUILT

2-2-18

REVISION 1

11-13-18

ORIGINAL

DRAWING

COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

CONSULTING SERVICES

LOCATION: FM 1093 WESTPARK

EXTENSION - HOUSTON, TX

DRAWING DATE

SCALE: HOR 1"=100'

SHEET 9 OF 31

CONFIDENTIAL/PROPRIETARY

Page Name Off - Materials			
Unit Code & Description		Units	Estimated Quantity
MAT-00150 - CONDUIT 8-2" HOPE SDR 9		FT	630
MAT-00200 - WARNING TAGS AND/OR MARKERS		EA	1



CALL BEFORE YOU DIG
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48 HOURS NOTICE REQUIRED

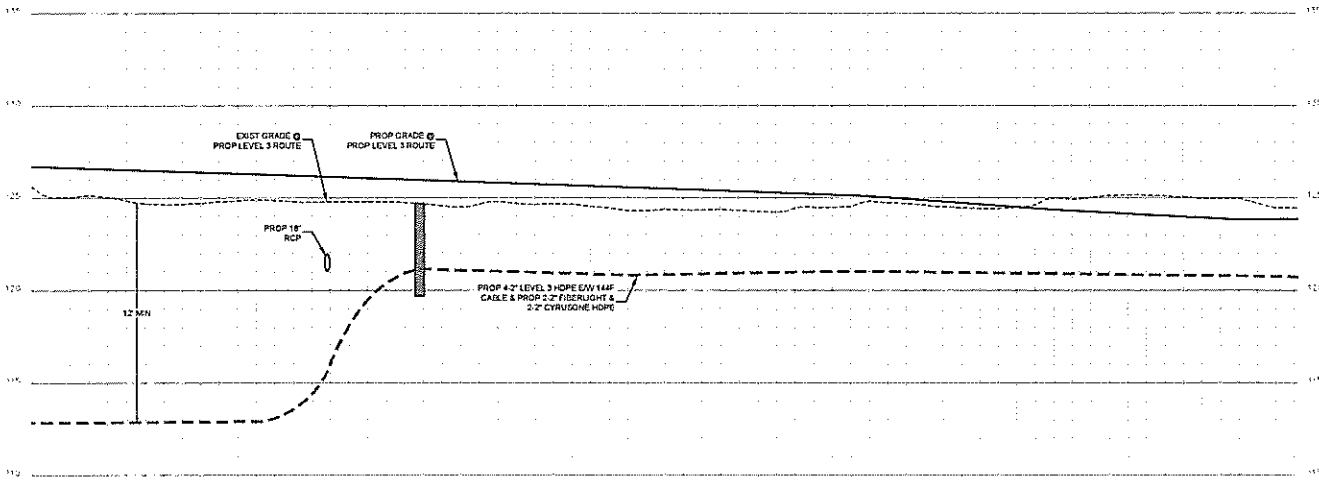
Page Name Off - Work Performed			
Unit Code & Description		Units	Estimated Quantity
UGB-30055-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER		FT	400
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"		FT	400
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"		FT	210
UGB-30060-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'		FT	600
UGB-31040-S - EXCAVATE SMALL PIT 6'X4'X5'		EA	1
UGB-31050-S - REMOVE AND DISPOSE OF 1 114F CABLE		FT	600
UGB-31055-S - PLACE LOCATE MARKER POST		EA	1
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"		FT	3,300
UGB-30700-S - D/B BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"		FT	1,470

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

6\"/>

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BLACK W/ PURPLE STRIPE

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BLACK W/ WHITE STRIPE

BLACK W/ GREY STRIPE

NO DATE ENG DESIG

2-2-18 AS-BUILT

11-13-18 REVISION # 1

DRAWING COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1053 NE STPARK

EXTENSION: HOUSTON, TX

DRAWING NAME

SCALE: VERT. 1\"/>

SHEET 9A OF 31

CONFIDENTIAL/PROPRIETARY

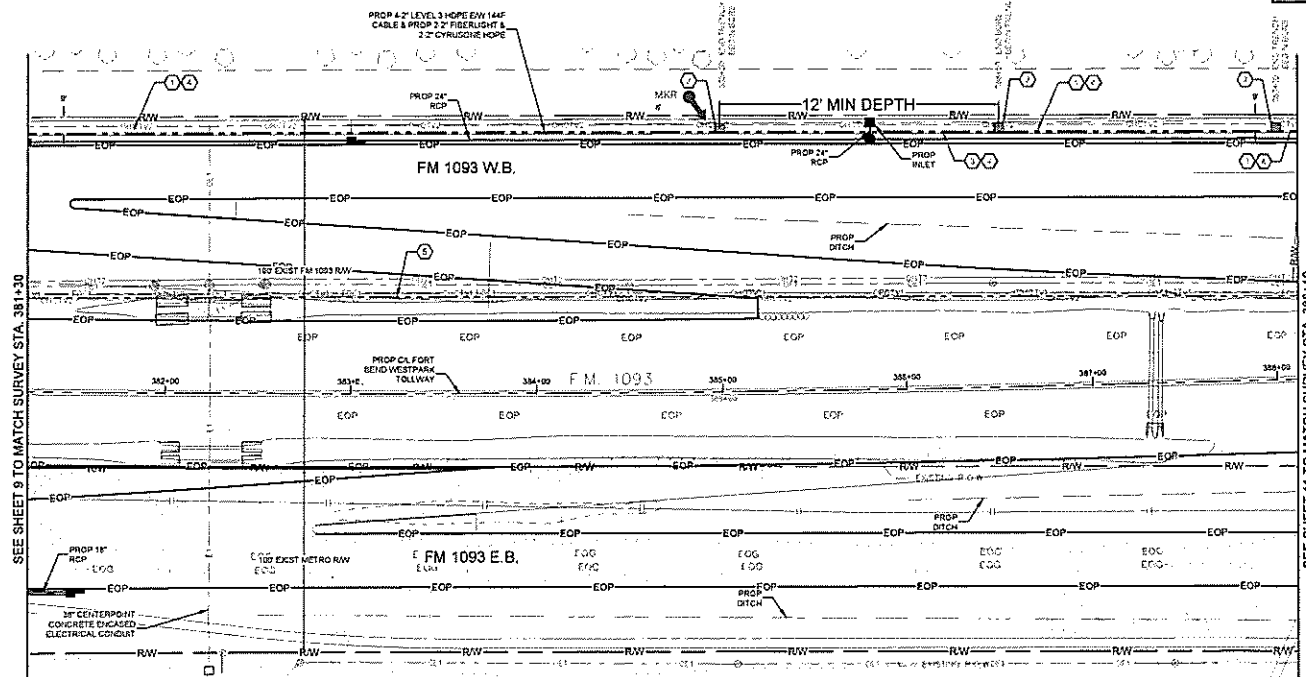
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CALL BEFORE YOU DIG
1-800-545-6205

48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT UNDER 150'
CONDUIT QTY: 9
CONDUIT TYPE: EOP
NOTES: REMOVE 8-2" HOPE
2. PROPOSED CONDUIT
CONDUIT OWNER LEVELS
CONDUIT UNDER 150'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: EOP
NOTES: BORE 8-2" HOPE
3. CABLE PILES: 144'
CABLE OWNER LEVELS
CABLE LENGTH: 500'
4. CABLE PILES: 144'
CABLE OWNER LEVELS
CABLE LENGTH: 500'
NOTES: REMOVE 144' CABLE

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
 - 2-2" FIBERGLASS
 - BLACK W/ RED STRIPE
 - 2-2" 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-20150 - CONDUIT 8-2" HOPE EOP-S	FT	650	
MAT-20200 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Range Of - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30250-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	520	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	520	
UGB-30080-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	100	
UGB-30050-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-31050-S - REMOVE AND DISPOSE OF 1-144' CABLE	FT	650	
UGB-31010-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	

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

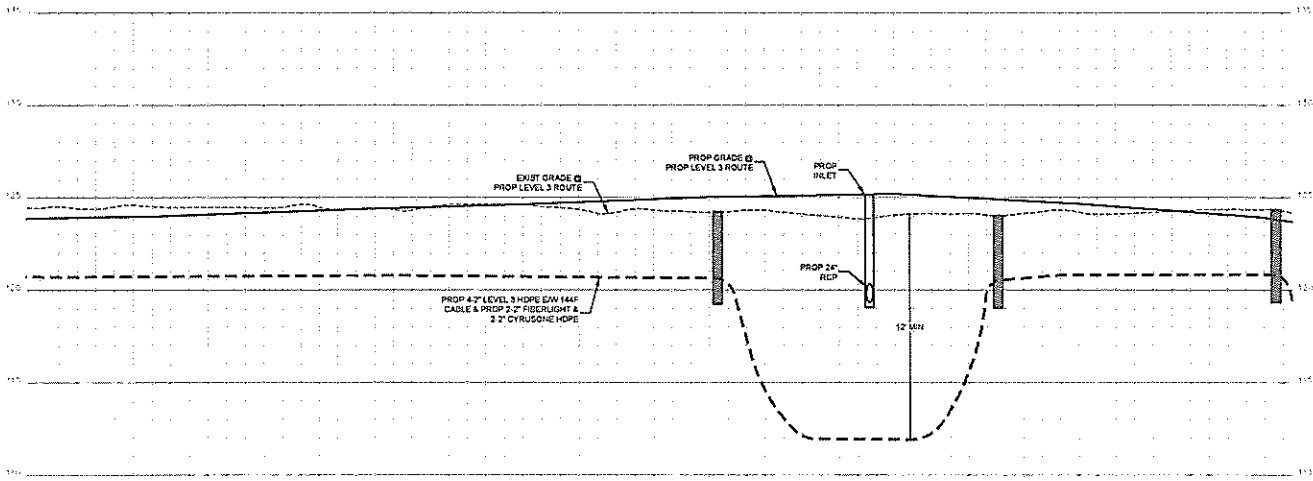
Level(3)

LEVEL 3 ENGINEER
KETH HALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER:
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING NAME:
SCALE: HON 1"=20'
SHEET 10 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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1-800-545-6005
48 HOURS NOTICE REQUIRED

Level(3)
CONSTRUCTION

LEVEL 3 ENGINEER
KATH HALL

ENGINEERED FOR
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1053 WESTPARK
EXTENSION, HOUSTON, TX

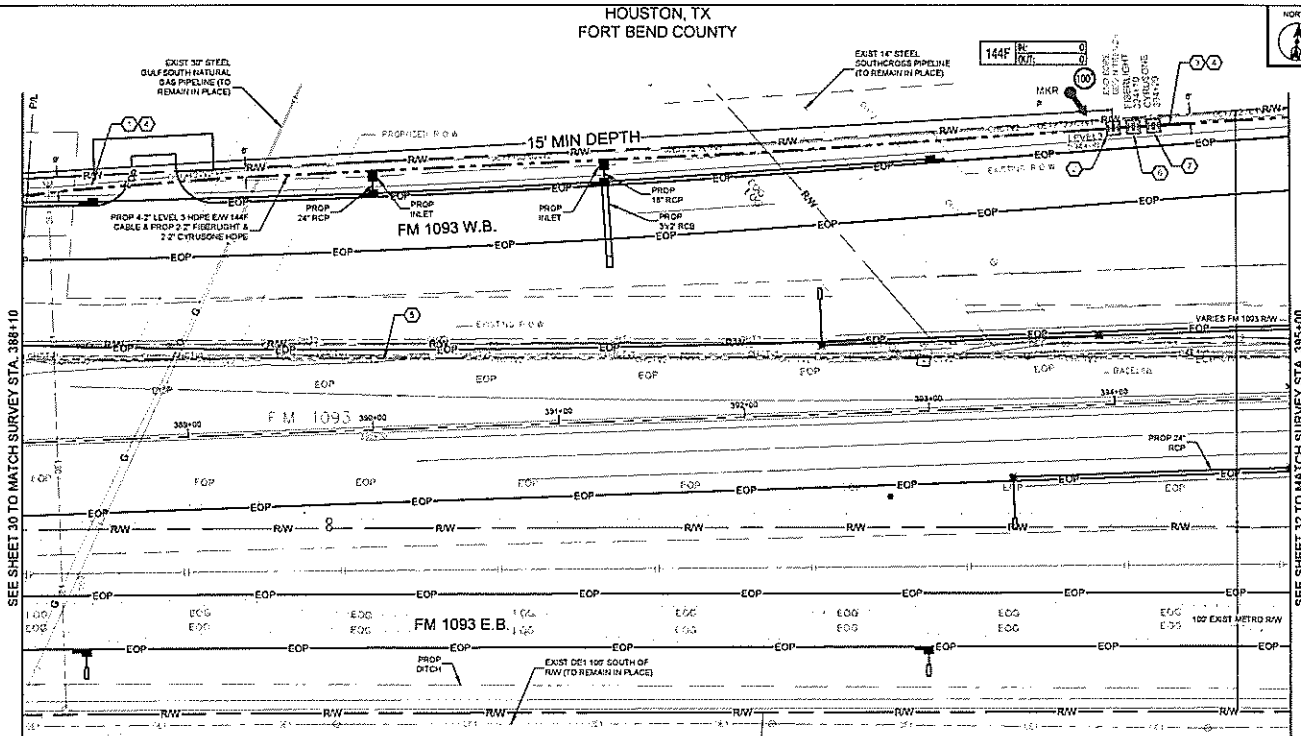
DRAWING NAME

SCALE: VERT 1\"/>

SHEET 10A OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 500'
CONDUIT SIZE 2"
CONDUIT TYPE HDPE
NOTE: SEE 8-2" HOPE
- LEVEL 3 HOLE
CONDUIT LENGTH 100'
CONDUIT SIZE 2"
CONDUIT TYPE HDPE
NOTE: TYPICAL 8-2" HOPE
- CABLE TRENCH 144F
CABLE OWNER LEVEL 3
CABLE LENGTH 100'
- CABLE TRENCH 144F
CABLE OWNER LEVEL 3
CABLE LENGTH 100'
- RELOCATE HOLE
- CYRUSONE HOLE

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

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Level(3)
ENGINEERING FIRM
CONSTRUCTION SERVICES

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

SCALE: HORIZ 1"=50'
SHEET 11 OF 31
CONFIDENTIAL/PROPRIETARY

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-2" HOPE SDR-9	FT	650	
MAT-00970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-02020 - WARNING TAGS AND/OR MARKERS	EA	1	

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 285 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COL)	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-31020-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	700	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4100	



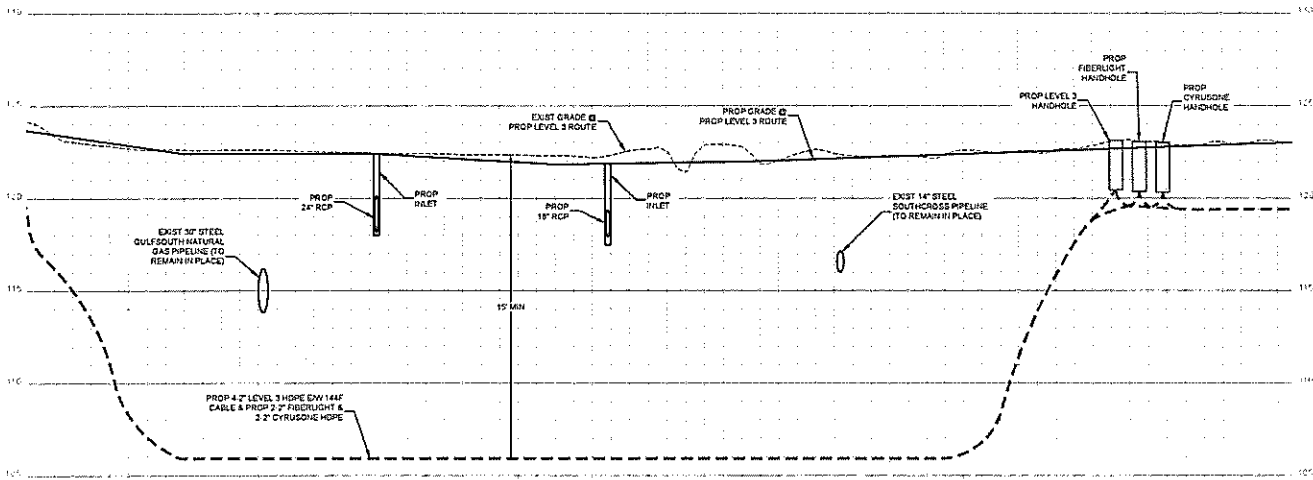
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1-800-545-6000
48 HOURS NOTICE REQUIRED

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN 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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3

NO DATE THE DESIGN

2-3-18 AS-BUILT

11-13-18 REVISION # 1

DRAWING COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

SOUTHERN FIELD SERVICES

PROJECT NUMBER

LOCATION FM 1003 WESTPARK

EXTENSION HOUSTON, TX

DRAWING SCALE

SCALE VERT 1\"/>

SHEET 11A OF 31

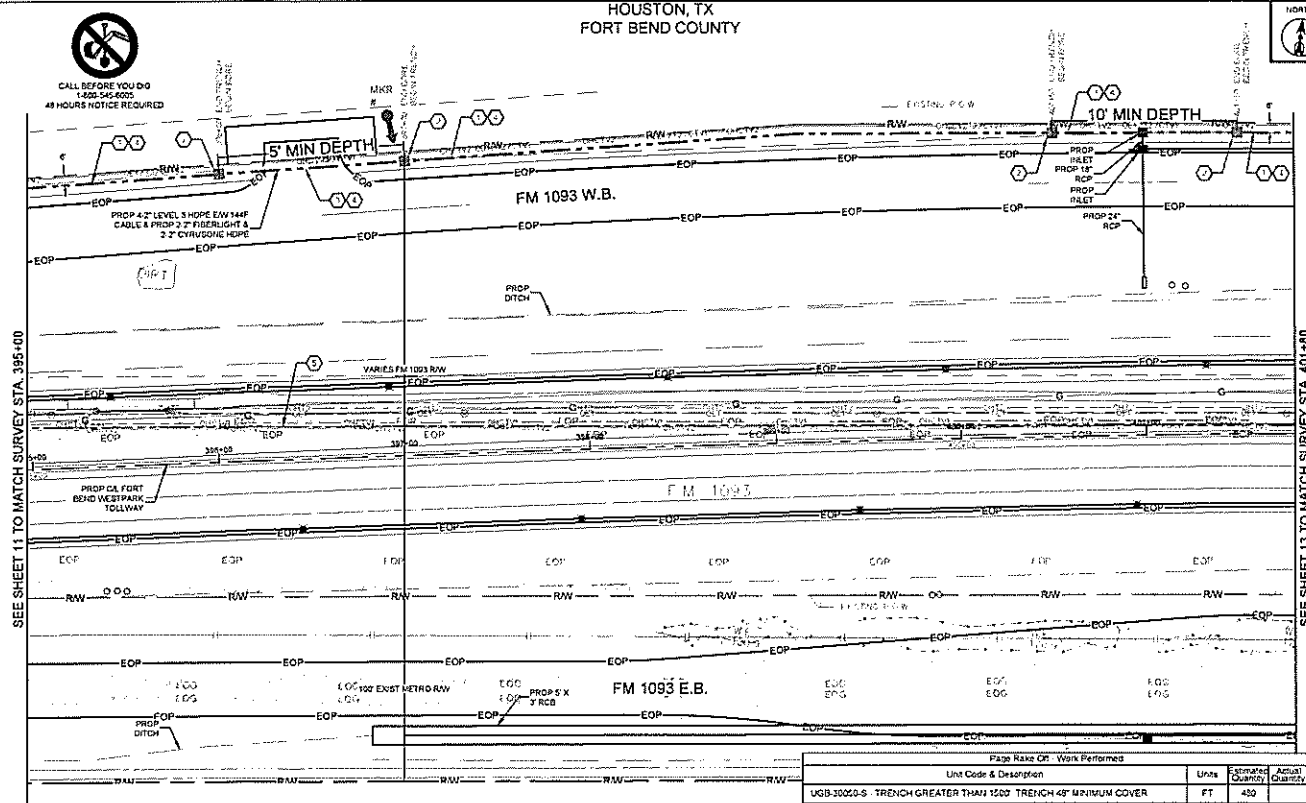
CONFIDENTIAL/PROPRIETARY

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CALL BEFORE YOU DIG
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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



- CONSTRUCTION NOTES**
- CONDUIT OWNER LEVELS
CONDUIT UNITS 400
CONDUIT CTS 8
CONDUIT CTS 8
CONDUIT TYPE HOPE
NOTES: TRENCH 8-12" HOPE
 - PROPOSED SDRS
CONDUIT OWNER LEVELS
CONDUIT UNITS 200
CONDUIT CTS 8
CONDUIT CTS 8
CONDUIT TYPE HOPE
NOTES: HOPE 8-12" HOPE
 - CABLE TRENCH: 144"
CABLE OWNER LEVELS
CABLE UNITS 400
CABLE UNITS 400
NOTES: HOPE 8-12" HOPE
 - CABLE TRENCH: 144"
CABLE OWNER LEVELS
CABLE UNITS 400
CABLE UNITS 400
NOTES: HOPE 8-12" HOPE

- CONTRACTOR NOTE:**
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW.
- 8-12" HOPE CONFIGURATION
4-7" (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
 - 3" 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 Rate CR - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-12" HOPE SDR 9	FT	600	
MAT-00200 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Rate 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" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	450	
UGB-30090-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	200	
UGB-30050-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	550	
UGB-31640-S - EXCAVATE SMALL PIT EXPOSE	EA	4	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	550	
UGB-31090-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,300	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,400	

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

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

Level(3)
CONSULTANTS

LEVEL 3 ENGINEER
KEITH WALL
ENGINEERING FIRM
SOUTHERN FIELD SERVICES

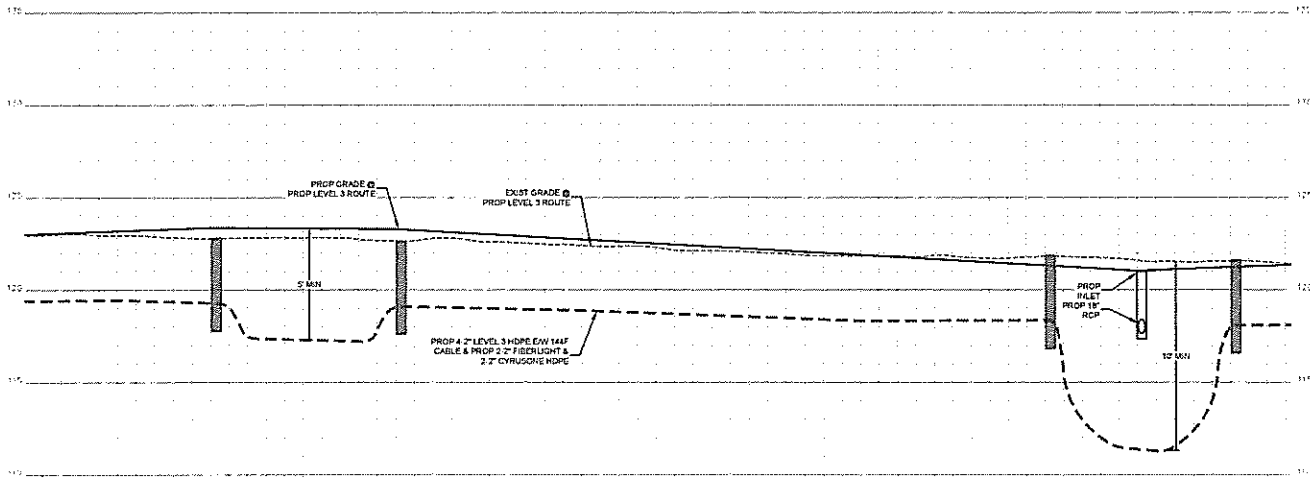
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION: HOUSTON, TX
DRAWING DATE

SCALE: HOR. 1"=40'
SHEET: 12 OF 31
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE COUNTS AS
NOTED BELOW

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BLACK W/ PURPLE STRIPE

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NO DATE ENG DESIGN

2-2-18 AS-BUILT

11-13-18 REVISION # 1

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\"/>

SHEET 12A OF 31

CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
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CALL BEFORE YOU DIG
1-800-543-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- CONDUIT OWNER LEVELS
CONDUIT LENGTH 497'
CONDUIT CITY 8
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: REMOVE 8-2" HOPE
- CONDUIT OWNER LEVELS
CONDUIT LENGTH 207'
CONDUIT CITY 8
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: REMOVE 8-2" HOPE
- CABLE OWNER LEVELS
CABLE LENGTH 597'
- CABLE OWNER LEVELS
CABLE LENGTH 597'

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

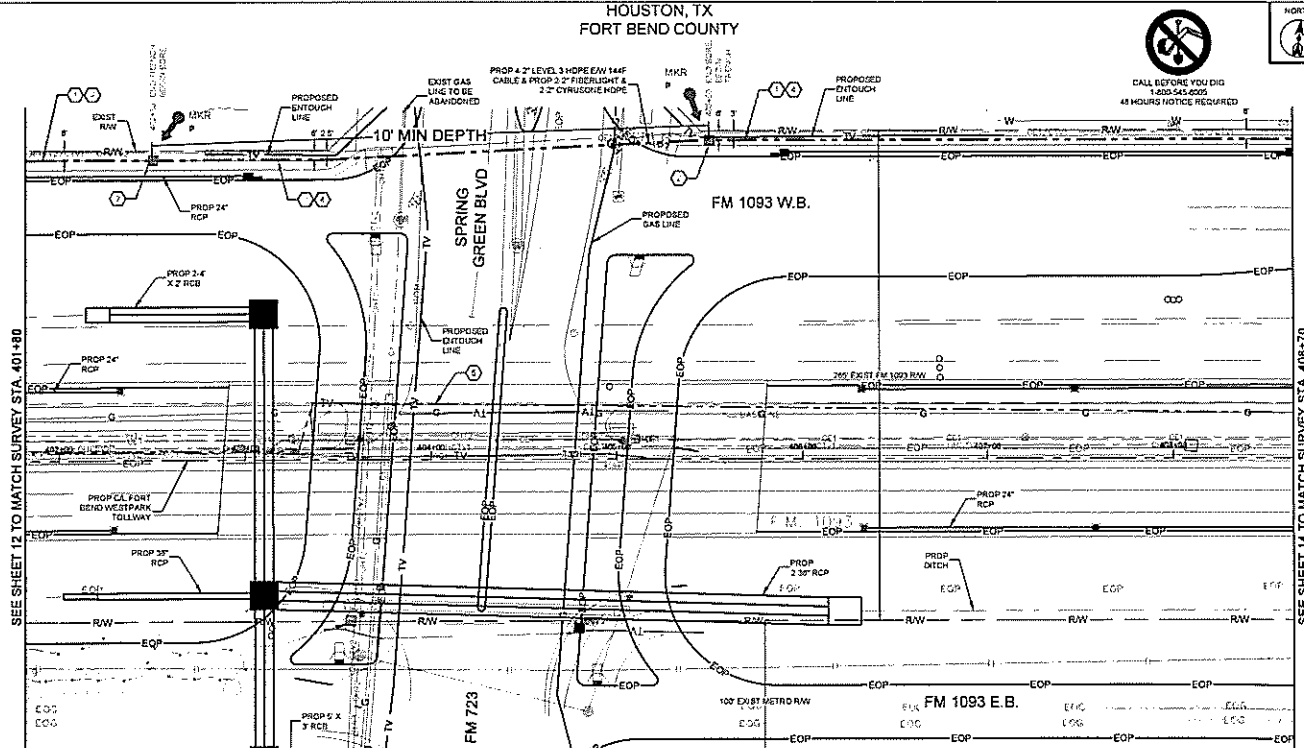
- 8" HOPE CONFIGURATION
- 4" (LEVELS)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLASS
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	ENG. REVISION
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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
DRAWN BY: NAME

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



Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8" HOPE SDR 8	FT	650	
MAT-02000 - WARNING TAGS AND/OR MARKERS	EA	2	

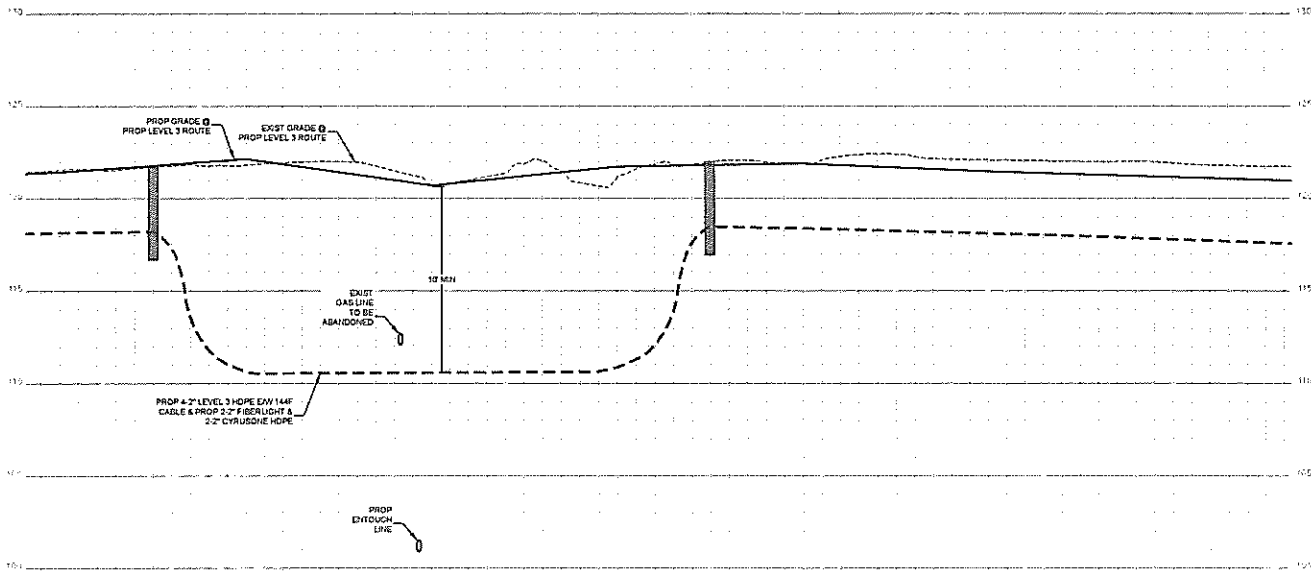
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-32050-S - TRENCH GREATER THAN 1500' TRENCH 48" MAXIMUM COVER	FT	450	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	400	
UGB-30030-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	200	
UGB-30050-S - PLACE UP TO 288 COUNT FOD IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31050-S - REMOVE AND DISPOSE OF 1.144F CABLE	FT	620	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3430	
UGB-20700-S - D/R BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1400	

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 COUNTS AS
NOTED BELOW

6\"/>

4\"/>

☐ BLACK W/ PURPLE STRIPE

☐ BLACK W/ ORANGE STRIPE

☐ BLACK W/ GREEN STRIPE

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☐ BLACK W/ GREY STRIPE

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NO DATE END ESTIM

2-2-18 AS-BUILT

11-12-18 REVISION # 1

DRAWING COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

QUALITY FIELD SERVICES

PROJECT NUMBER

LOCATION #41031 WE ST PARK

EXTENDING HOUSTON, TX

DRAWING NAME

SCALE VERT 1\"/>

SHEET 13A OF 31

CONFIDENTIAL/PROPRIETARY

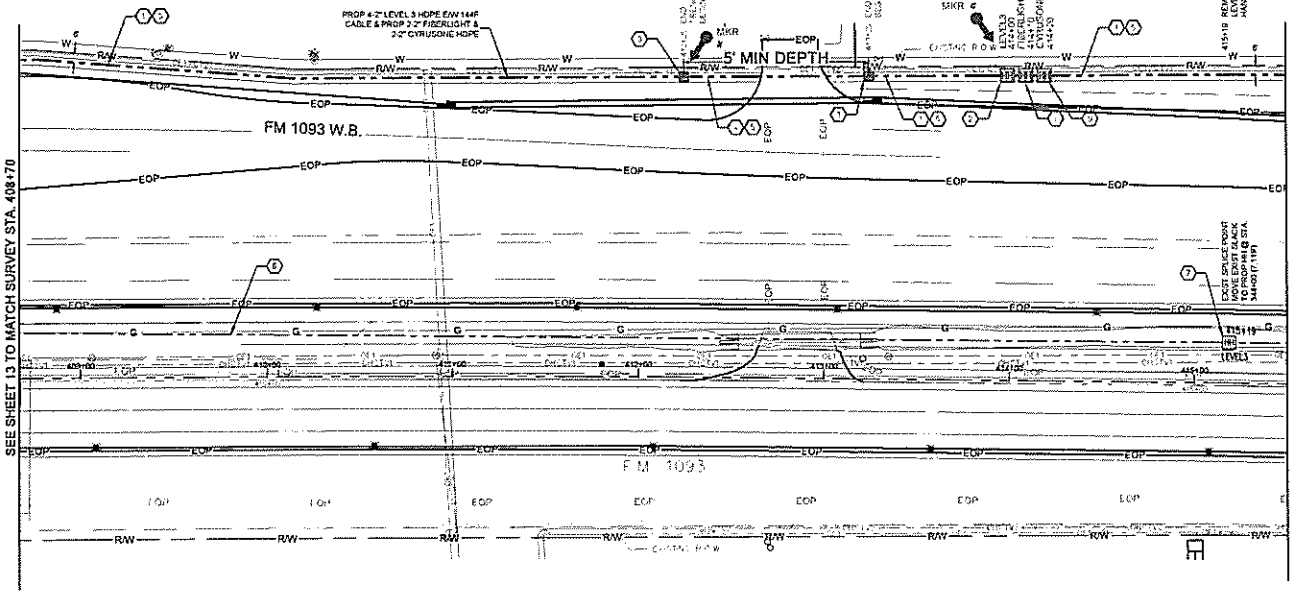
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S
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DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



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

HOUSTON, TX
FORT BEND COUNTY

144F
100'



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 300'
2. CONDUIT OWNER LEVEL 3
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CONDUIT LENGTH 300'

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

42" HOPE CONFIGURATION

42" (LEVEL 3)

BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN STRIPE

22" FIRELIGHT

BLACK W/ RED STRIPE

BLACK W/ BLUE STRIPE

22" CYRUSONE

BLACK W/ WHITE STRIPE

BLACK W/ GREY STRIPE

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Unit Code & Description		Units	Estimated Actual Quantity
MAT-00150 - CONDUIT 42" HOPE EDR 3		FT	550
MAT-00170 - TIER 15 30"x48"x30" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER		EA	3
MAT-00200 - WARNING TAGS AND/OR MARKERS		EA	2

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Unit Code & Description		Units	Estimated Actual Quantity
UGB-30150-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER		FT	550
UGB-30160-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"		FT	550
UGB-30170-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"		FT	100
UGB-30180-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COIL)		FT	750
UGB-31570-S - PLACE NEW - 30"x48"x30" - NON-CONCRETE HANDHOLE		EA	3
UGB-31580-S - EXCAVATE SMALL PIT 6'x4'x5'		EA	2
UGB-31590-S - REMOVE AND DISPOSE OF 1 1/4" CABLE		FT	650
UGB-31250-S - REMOVE EXISTING - 30"x48"x30" - NON-CONCRETE HANDHOLE		EA	1
UGB-31590-S - PLACE LOCATE MARKER POST		EA	2
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"		FT	4000
UGB-30750-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"		FT	700

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



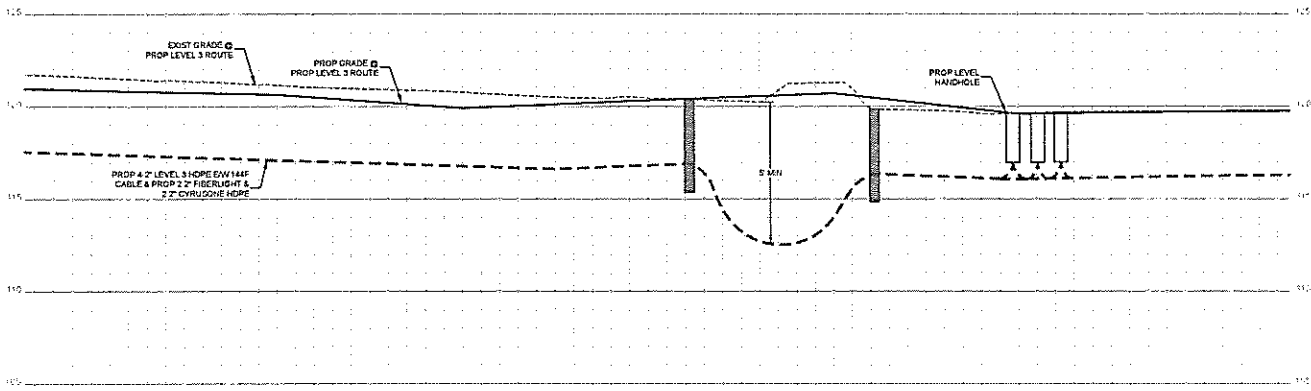
CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

Level(3)
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
CONSULTING SERVICES
PROJECT NUMBER
LOCATION FM 1093 WESTFARM
EASTHOUS, HOUSTON, TX
DRAWING NAME
SCALE: NDR 1"=50'
SHEET 14 OF 31
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

6\"/>

4\"/>

BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN STRIPE

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BLACK W/ RED STRIPE

BLACK W/ BLUE STRIPE

2\"/>

BLACK W/ WHITE STRIPE

BLACK W/ GREY STRIPE

NO DATE ENG. DESIGN

2-2-18 REVISION 1

11-13-18 ORIGINAL

DATE COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH WALL

ENGINEERING FIRM

CONDEN FIELD SERVICES

PROJECT NUMBER

LOCATION FM 1053 WESTPARK

EXTENSION, HOUSTON, TX

DRAWING NAME

SCALE VERT 1\"/>

SHEET 14A OF 31

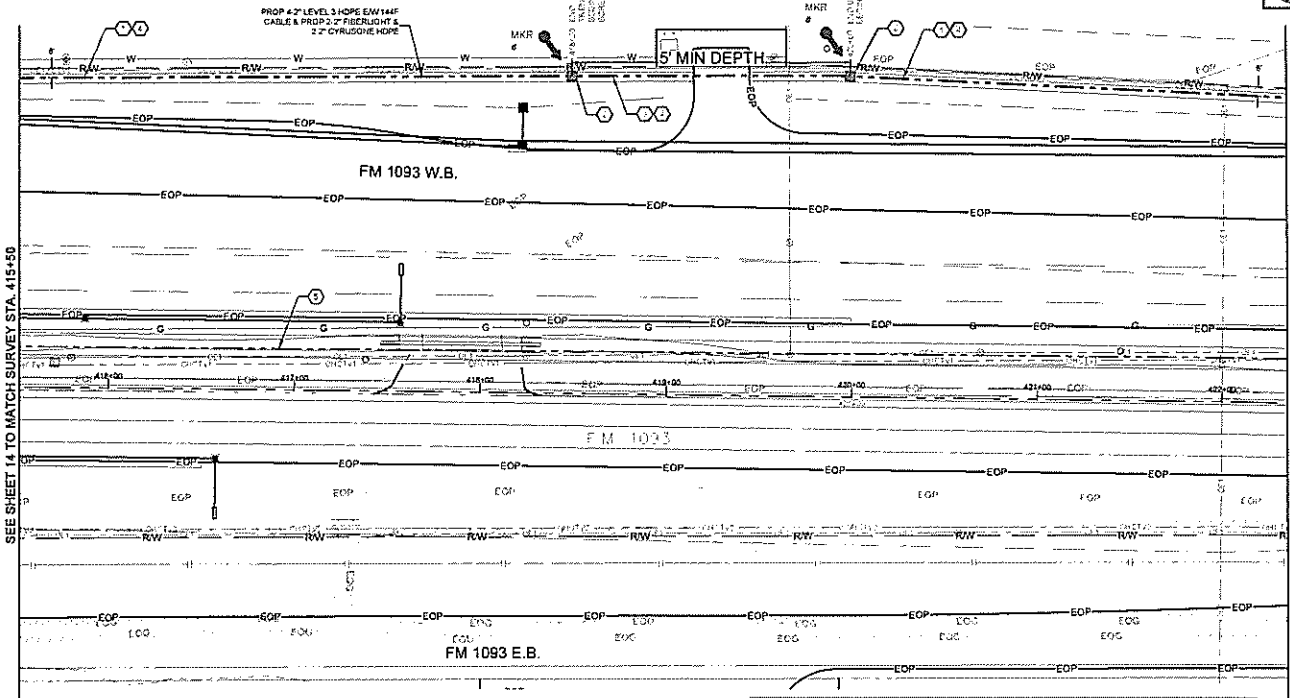
CONFIDENTIAL/PROPRIETARY

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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



SEE SHEET 14 TO MATCH SURVEY STA. 415+50

SEE SHEET 16 TO MATCH SURVEY STA. 422+30

CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT LENGTH 550'
CONDUIT SIZE 8"
CONDUIT TYPE HOPE
NOTES: TRENCH 6'-2" HOPE
2. PROPOSED HOPE
3. CONDUIT OWNER LEVELS
CONDUIT LENGTH 150'
CONDUIT SIZE 8"
CONDUIT TYPE HOPE
NOTES: BORE 8'-2" HOPE
4. CABLE PRODS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 600'
5. CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 600'
NOTES: RESERVE 144F CABLE

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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

NO.	DATE	ENG. REVISION
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Level(3)
LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
CONSTRUCTION SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTFAIR
EXTENSION: HOUSTON, TX
DRAWN BY: JMM

SCALE: HOR 1"=50'
SHEET 15 OF 31
CONFIDENTIAL/PROPRIETARY



CALL BEFORE YOU DIG
1-800-545-0000
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.

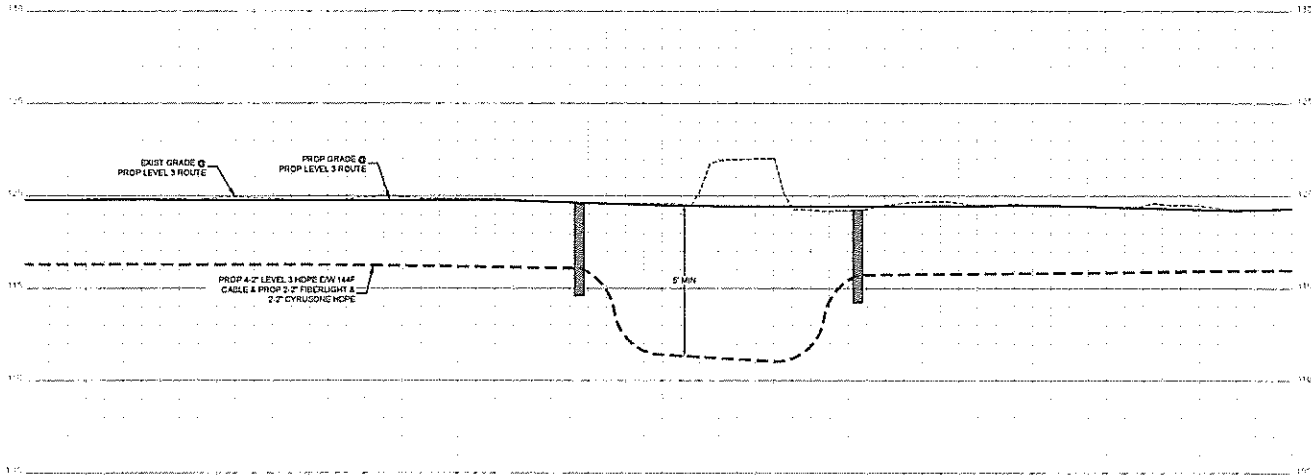
Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8'-2" HOPE SDR-9	FT	650	
MAT-82020 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Make Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGD-30020-S - TRENCH GREATER THAN 1500' TRENCH 42" MINIMUM COVER	FT	530	
UGB-30140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	530	
UGB-30150-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	150	
UGB-30500-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	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 - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,050	

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

4.2' HOPE CONFIGURATION

4.2' (LEVEL 3)

☐ 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

3.2' CYRUSONE

☐ BLACK W/ WHITE STRIPE

☐ BLACK W/ GREY STRIPE

NO. DATE END REASON

2-3-18 AS-BUILT

11-13-13 ORIGINAL

DRAWING COMMENT

Level(3)

LEVEL ENGINEER

KEITH HALL

ENGINEERING FIRM

SOLOSH FIELD SERVICES

PROJECT NUMBER

LOCATION # N 1003 WESTPARK

EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE: VERT 1"=5'

SHEET 15A OF 31

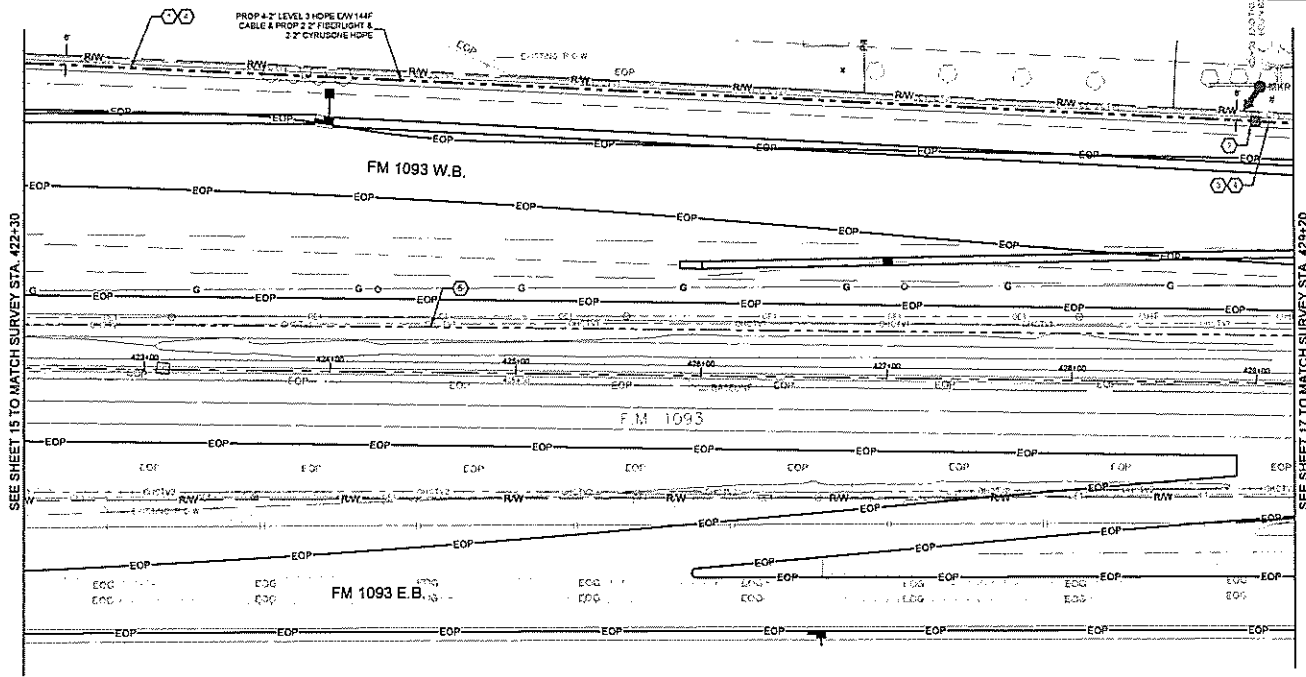
CONFIDENTIAL/PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
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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 15 TO MATCH SURVEY STA. 422+30

SEE SHEET 17 TO MATCH SURVEY STA. 429+20

Page Make Off - Materials

Unit Code & Description	Units	Estimate Quantity	Actual Quantity
MAT-80150 - CONDUIT 8" HOPE SDR 9	FT	650	
MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	1	



CALL BEFORE YOU DIG
1-800-545-5005
48 HOURS NOTICE REQUIRED

Page Make Off - Work Performed

Unit Code & Description	Units	Estimate Quantity	Actual Quantity
UGB-30350-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	670	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	670	
UGB-30500-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	20	
UGB-30350-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X3'	EA	1	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31550-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,650	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL HOPE UP TO 2"	FT	140	

- CONSTRUCTION NOTES**
- CONDUIT OWNER LEVELS
CONDUIT LENGTH 670'
CONDUIT STD. 8
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: TRENCH 8-2" HOPE
PROPOSED BOXES
 - CONDUIT OWNER LEVELS
CONDUIT LENGTH 20'
CONDUIT STD. 8
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: HOPE 8-2" HOPE
 - CABLE PEGS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 650'
 - CABLE PEGS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 650'
- NOTES: REMOVE 144F CABLE

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

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Level 3

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERED FROM
GOLDEN FIELD SERVICES

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

SCALE: HORIZ. 1"=50'
VERT. 1"=10'

SHEET 16 OF 31

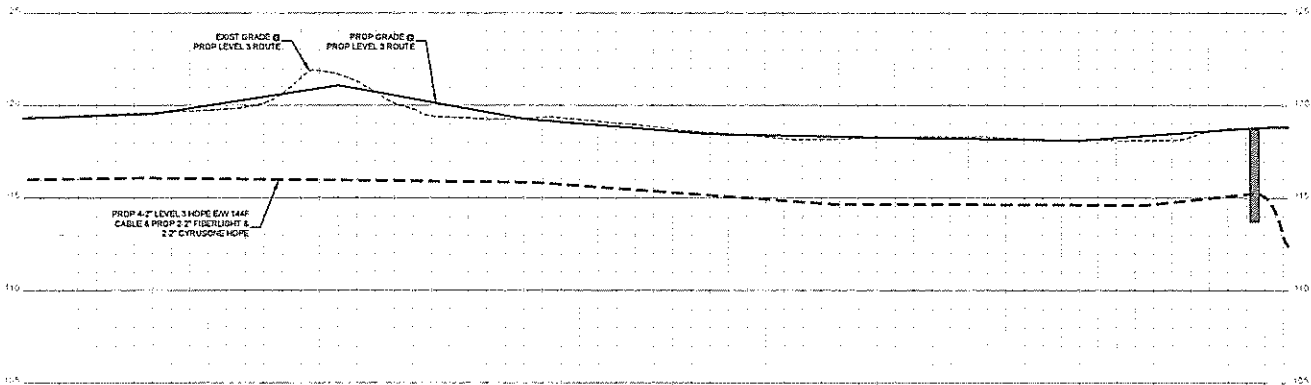
CONFIDENTIAL/PROPRIETARY

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.

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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- ☐ BLACK W/ PURPLE STRIPE
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- ☐ BLACK W/ RED STRIPE
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- ☐ BLACK W/ WHITE STRIPE
- ☐ BLACK W/ GREY STRIPE

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DATE: ENG. DESIGN

5-3-18 AS-BUILT

11-13-18 REVISION # 1

DATE: COMMENT

Level(3)

LEVEL 3 ENGINEER

KETH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1091 WESTPARK

EXTENSION - HOUSTON, TX

DRAWING DATE

SCALE: VERT 1\"/>

SHEET 16A OF 31

CONFIDENTIAL/PROPRIETARY

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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 330'
CONDUIT CTS: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: BORE 8-1/2" HOPE
TRENCH: 36" DEPTH
2. CONDUIT OWNER LEVELS
CONDUIT LENGTH 360'
CONDUIT CTS: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: BORE 8-1/2" HOPE
TRENCH: 36" DEPTH
3. CABLE REELS: 144'
CABLE OWNER LEVELS
CABLE LENGTH 360'
4. CABLE REELS: 144'
CABLE OWNER LEVELS
CABLE LENGTH 360'
5. CABLE REELS: 144'
CABLE OWNER LEVELS
CABLE LENGTH 360'

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

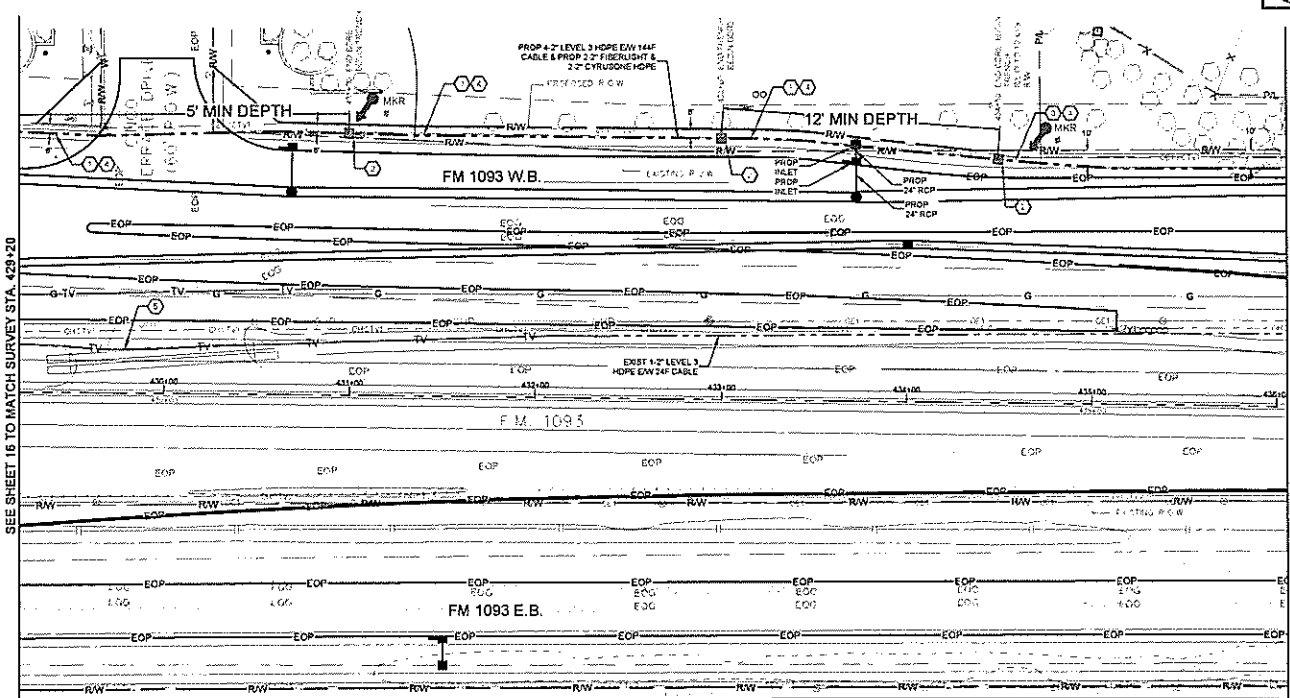
- 8-1/2" HOPE CONFIGURATION
- 4-1/2" LEVELS
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLASS
 - BLACK W/ RED STRIPE
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 - 2" CYRUSONE
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Level(3)
LEVEL ENGINEER
KEITH HALL

ENGINEER FIRM
GOSPEL FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EAST TRENCH, HOUSTON, TX
DRAWING NUMBER

SCALE: HORIZ 1"=50'
SHEET 17 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.

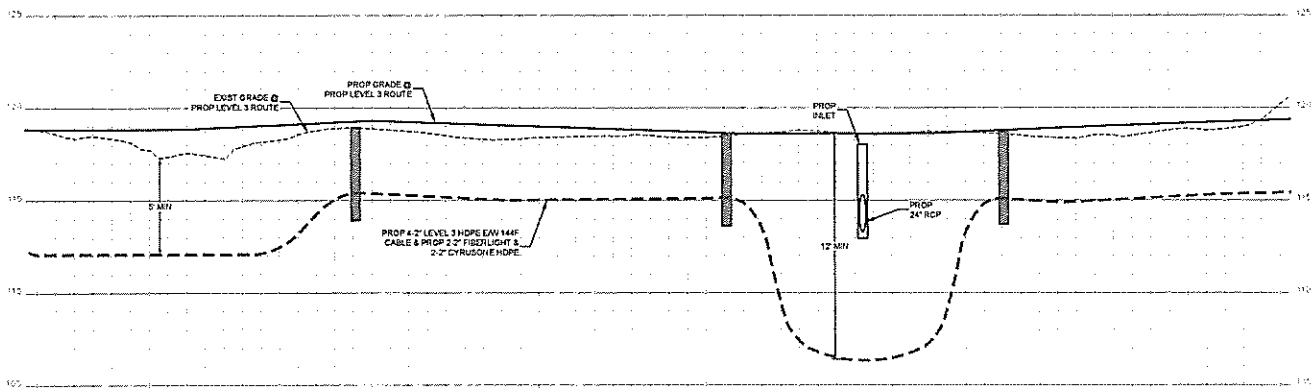
Page Have Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-50150 - CONDUIT 8-1/2" HOPE SDR-9	FT	650	
MAT-02020 - WARNING TAPS AND/OR MARKERS	EA	2	

Page Have Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30020-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	350	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	350	
UGB-30030-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	330	
UGB-30250-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X2'	EA	3	
UGB-31020-S - REMOVE AND DISPOSE OF 1-144' CABLE	FT	600	
UGB-31200-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,520	
UGB-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 HOPE CONFIGURATIONS AS
NOTED BELOW

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BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN STRIPE

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BLACK W/ GREY STRIPE

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2-2-18 AS-BUILT

11-13-15 ORIGINAL

DATE COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

COLSON FIELD SERVICES

PROJECT NUMBER

LOCATION FM 1033 WESTPARK

EXTENSION - HOUSTON, TX

DRAWING NUMBER

SCALE VERT. 1\"/>

SHEET 17A OF 31

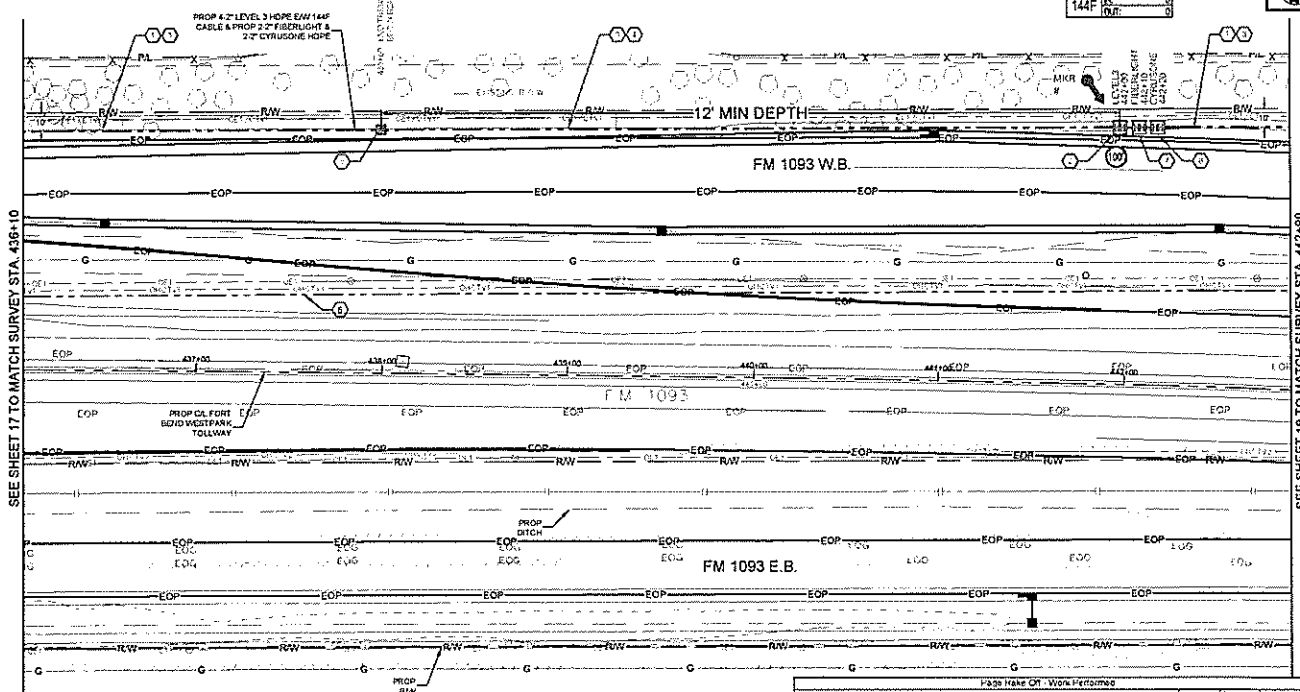
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UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT LAYOUT 200'
CONDUIT QTY: 6
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTE: BENCH 8-2" HOPE
2. LEVELS IN WIDE
COL. 100' 1-144F N 101
3. CABLE RINGS: 144F
CABLE OWNER LEVELS
CABLE LAYOUT 100'
CONDUIT OWNER LEVELS
CONDUIT LAYOUT 400'
CONDUIT QTY: 6
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTE: BENCH 8-2" HOPE
4. PROPOSED BOREPIT
5. CABLE RINGS: 144F
CABLE OWNER LEVELS
CABLE LAYOUT 100'
NOTE: REMOVE 144F CABLE
6. FLEETABLE VEHICLE
7. CYRUSONE 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" FIBERGLASS
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2-2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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Level 3

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

SCALE: HORIZ 1"=50'
SHEET 19 OF 31
ECONOMICAL/PROPRIETARY

Page Rate Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-2" HOPE SDR 5	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	

Page Rate 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	750	
UGB-31270-S - PLACE NEW 30"x45"x30" NON-CONCRETE HAND-HOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	1	
UGB-31250-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31800-S - PLACE LOCATE MARKER POST	EA	1	
UGB-32150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,950	
UGB-30700-S - D-R BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2,500	

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.

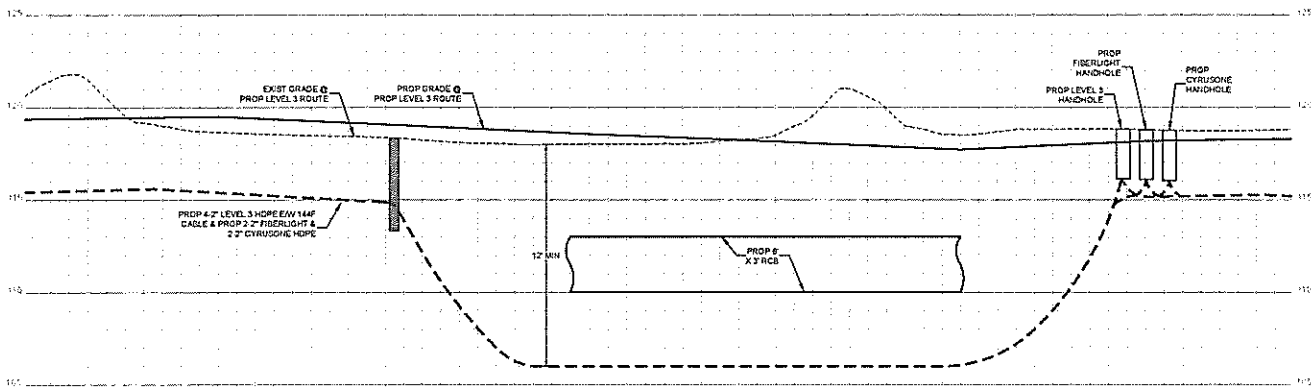


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1-800-545-6000
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:
CONTRACTOR MUST SUPPLY
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Level(3)
CONSULTANTS

LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
CONSULTING SERVICES
PROJECT NUMBER
LOCATION: 14110 W. STEPHEN
EXTENSION: HOUSTON, TX
DRAWING NAME

SCALE: VERT. 1"=5'
SHEET 18A OF 31
COPYRIGHT © 2018 BY LEVEL(3)

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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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OTHER LEVELS
CONDUIT LENGTH NOT
CONDUIT SIZE
CONDUIT TYPE NOT
NOTE: REMOVE 8-2" HOPE
2. CABLE REELS: 144F
CABLE OTHER LEVELS
CABLE LENGTH NOT
3. CABLE REELS: 144F
CABLE OTHER LEVELS
CABLE LENGTH NOT
NOTE: REMOVE 144F CABLE

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

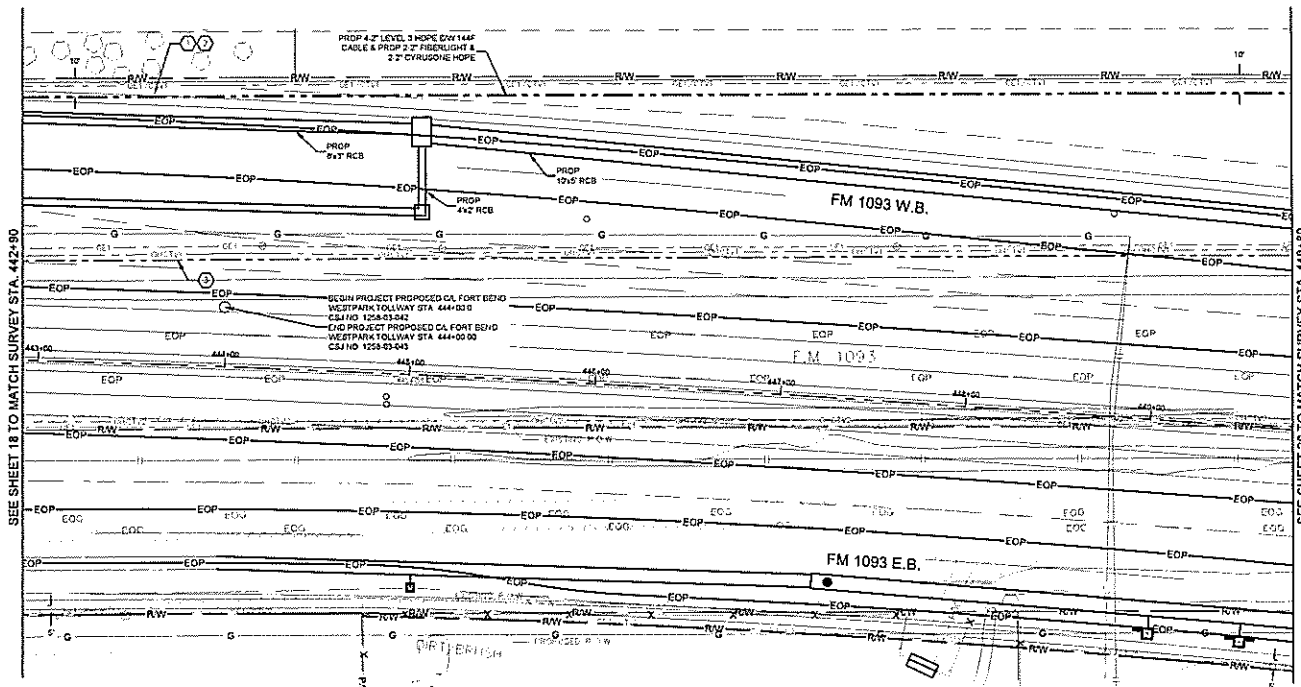
- 8-2" HOPE CONFIGURATION
- 4-2" (LEVELS)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2-2" FIBERLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2-2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	ENG. DESIGN
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DRAWING	COMMENT	

Level(3)
ENGINEERS

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

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



Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT. 30150 - CONDUIT 8-2" HOPE EDR 9	FT	620	

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Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGS-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	620	
UGS-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	620	
UGS-30250-S - PLACE UP TO 233 COUNT FOC IN CONDUIT UP TO 1500'	FT	620	
UGS-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	620	
UGS-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,810	

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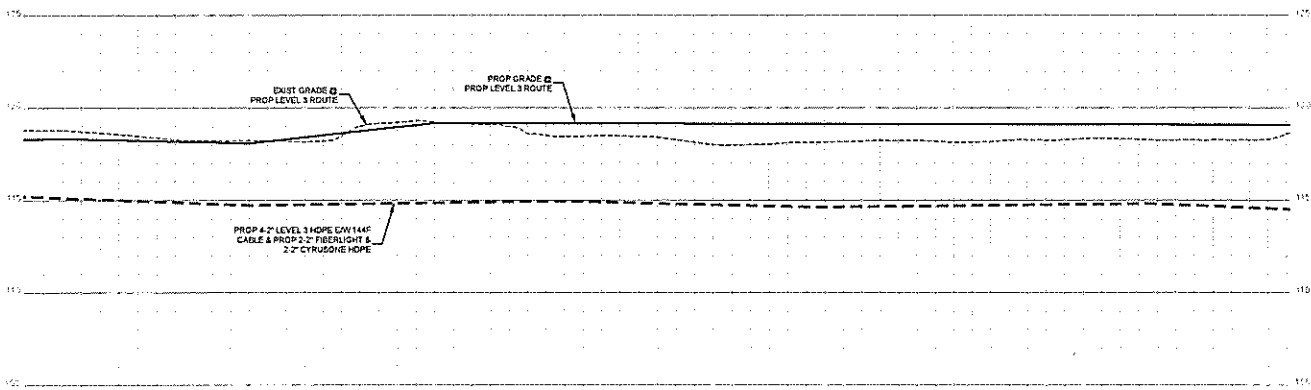


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1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

6" HOPE CONFIGURATION

4" LEVEL(3)

☐ BLACK W/ PURPLE STRIPE

☐ BLACK W/ ORANGE STRIPE

☐ BLACK W/ GREEN STRIPE

☐ BLACK W/ BROWN STRIPE

☐ 2" FIBERLIGHT

☐ BLACK W/ RED STRIPE

☐ BLACK W/ BLUE STRIPE

☐ 2" CYRUSONE

☐ BLACK W/ WHITE STRIPE

☐ BLACK W/ GREY STRIPE

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NO DATE ENG DESIGN

2-2-18 REVISION 1

11-13-18 ORIGINAL

DRAWING COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH MALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1033 WEST PARK

EXTENSION: HOUSTON, TX

DRAWING NAME

SCALE: VERT 1"=5'

SHEET 10A OF 31

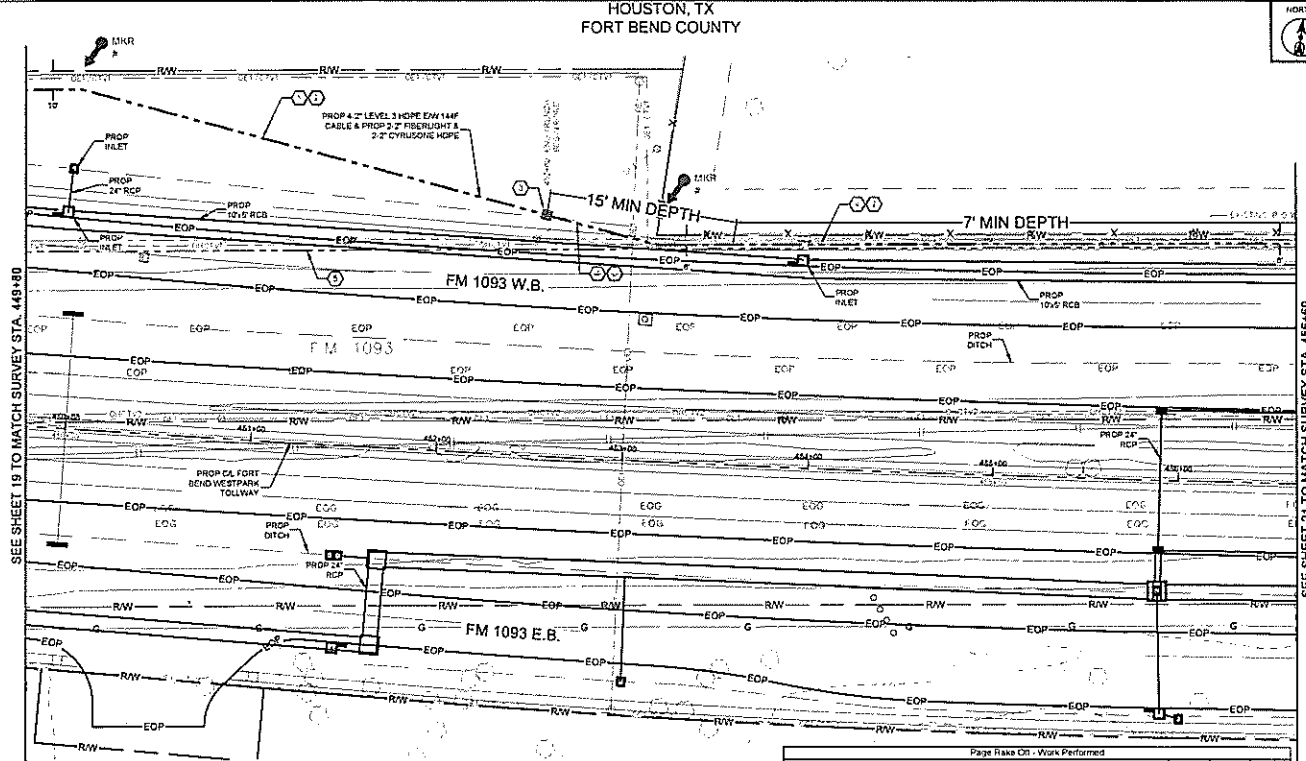
CONFIDENTIAL/PROPRIETARY

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CALL BEFORE YOU DIG
1-800-545-6200
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT LENGTH 250'
CONDUIT SIZE 6"
CONDUIT TYPE HDPE
NOTES: REMOVE 8'-2" HOPE
2. CABLE PRODS 144F
CABLE OWNER LEVELS
CABLE LENGTH 600'
3. PROPOSED 10' R/W
4. CONDUIT OWNER LEVELS
CONDUIT LENGTH 400'
CONDUIT SIZE 6"
CONDUIT TYPE HDPE
NOTES: BORE 8'-2" HOPE
5. CABLE PRODS 144F
CABLE OWNER LEVELS
CABLE LENGTH 600'

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

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Level(3)

LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
CIVIL/ENR FIELD SERVICES
PROJECT NUMBER
LOCATION FM 1093 WESTPARK
EXTENSION HOUSTON, TX
DRAWING NAME

SCALE HOR 1"=50'
SHEET 20 OF 31
CONFIDENTIAL/PROPRIETARY

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Unit Code & Description			
Unit	Estimated Quantity	Actual Quantity	
MAT-20150 - CONDUIT 6" HOPE SDR 9	FT	600	
MAT-20200 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Blank Off - Work Performed			
Unit Code & Description			
Unit	Estimated Quantity	Actual Quantity	
UGB-32005-S - TRENCH GREATER THAN 1500' TRENCH 45" MINIMUM COVER	FT	220	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	220	
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	600	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	1	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31000-S - PLACE LOCATE MARKER POST	EA	2	
UGB-32150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1900	
UGB-32700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2500	

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

CONTRACTOR MUST SUPPLY
ALL HOPE COUNTS AS
NOTED BELOW

8-2" HOPE CONFIGURATION

4-2" LEVEL(1)

BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN STRIPE

2" FIBERGLASS

BLACK W/ RED STRIPE

BLACK W/ BLUE STRIPE

3-2" CYRUSONE

BLACK W/ WHITE STRIPE

BLACK W/ GREY STRIPE

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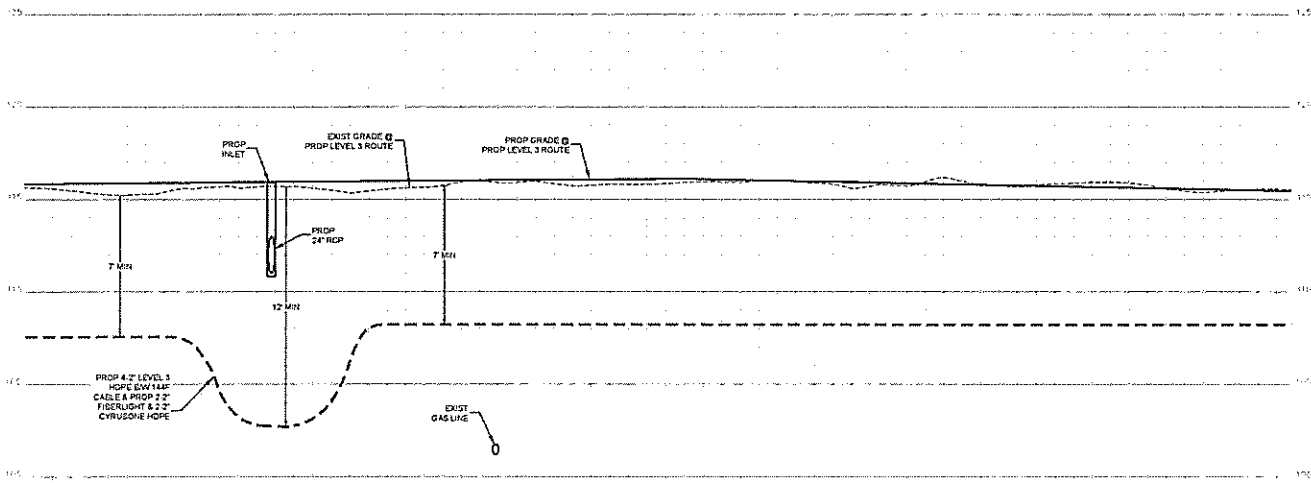
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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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NO. DATE END REASON

2-3-18 AS-BUILT

11-13-13 REVISION 2.1

DRAWING ORIGINATOR

COMMENTS

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

500 WEST FIELD SERVICE

PROJECT NUMBER

LOCATION 1 PM 1023 WESTPARK

EXTENSION HOUSTON, TX

DRAWING DATE

SCALE VERT 1\"/>

SHEET 21A 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
1-800-545-4005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



144F
IN
OR

PROP 4" 2" LEVEL 1 HOPE E.W. 144F
CABLE & PROP 2" 2" FIBERGLASS HOPE
2" 2" CYRUSHOPE HOPE

7' MIN DEPTH

15' MIN DEPTH

FM 1093 W.B.

FM 1093

100' EXIST FM 1093 R.W.

FM 1093 E.B.

VARIABLE PROP R.W.

Page Have Off - Work Redefined

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 250 CONDUIT FOC IN CONDUIT UP TO 1500' (100' IN COIL)	FT	780	
UGB-31270-S - PLACE NEW 307.45"x36" HDPE CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT 6'x4'x3'	EA	1	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31000-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	

FOR USE ON - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8" HOPE SDR 9	FT	650	
MAT-80270 - TIER 15 307.45"x36" WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-82000 - WARNING TAGS AND/OR MARKERS	EA	2	



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

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CONSTRUCTION NOTES

- CONDUIT OWNER LEVELS
CONDUIT LOCUS 100'
CONDUIT QTY: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: BORE 8"-2" HOPE
- LEVELS INVOLE
CONDUIT LOCUS 100'
CONDUIT QTY: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: BORE 8"-2" HOPE
- CONDUIT OWNER LEVELS
CONDUIT LOCUS 100'
CONDUIT QTY: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: BORE 8"-2" HOPE
- CABLE NEEDS: 144F
CABLE OWNER: LEVELS
CABLE LENGTH: 640'
NOTES: REMOVE 144F CABLE
- CABLE NEEDS: 144F
CABLE OWNER: LEVELS
CABLE LENGTH: 640'
NOTES: REMOVE 144F CABLE
- FLUORESCENT INVOLE
- CYRUSHOPE INVOLE

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" PRECAUTION
BLACK W/ RED STRIPE
BLACK W/ BLUE STRIPE
2" CYRUSHOPE
BLACK W/ WHITE STRIPE
BLACK W/ GREY STRIPE

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

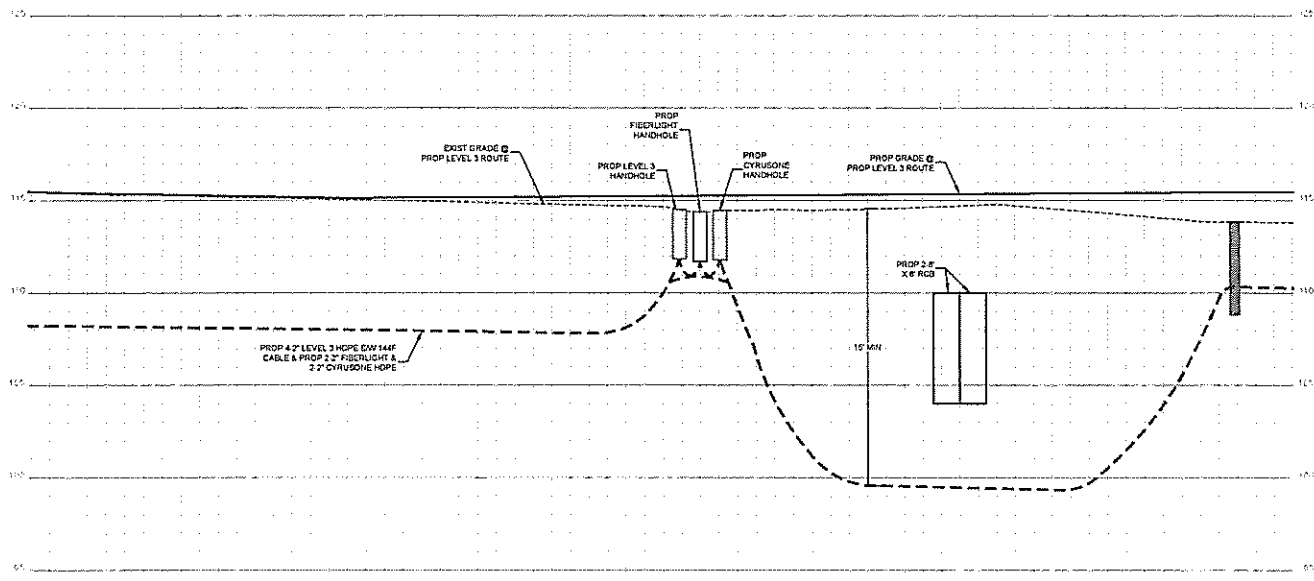
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
5000 WEST 10TH STREET
HOUSTON, TX 77056
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NUMBER

SCALE: HGR 1"=40'
SHEET: 22 OF 31
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CALL BEFORE YOU DIG
1-800-545-0000
48 HOURS NOTICE REQUIRED

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

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

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Level(3)
ENGINEERS

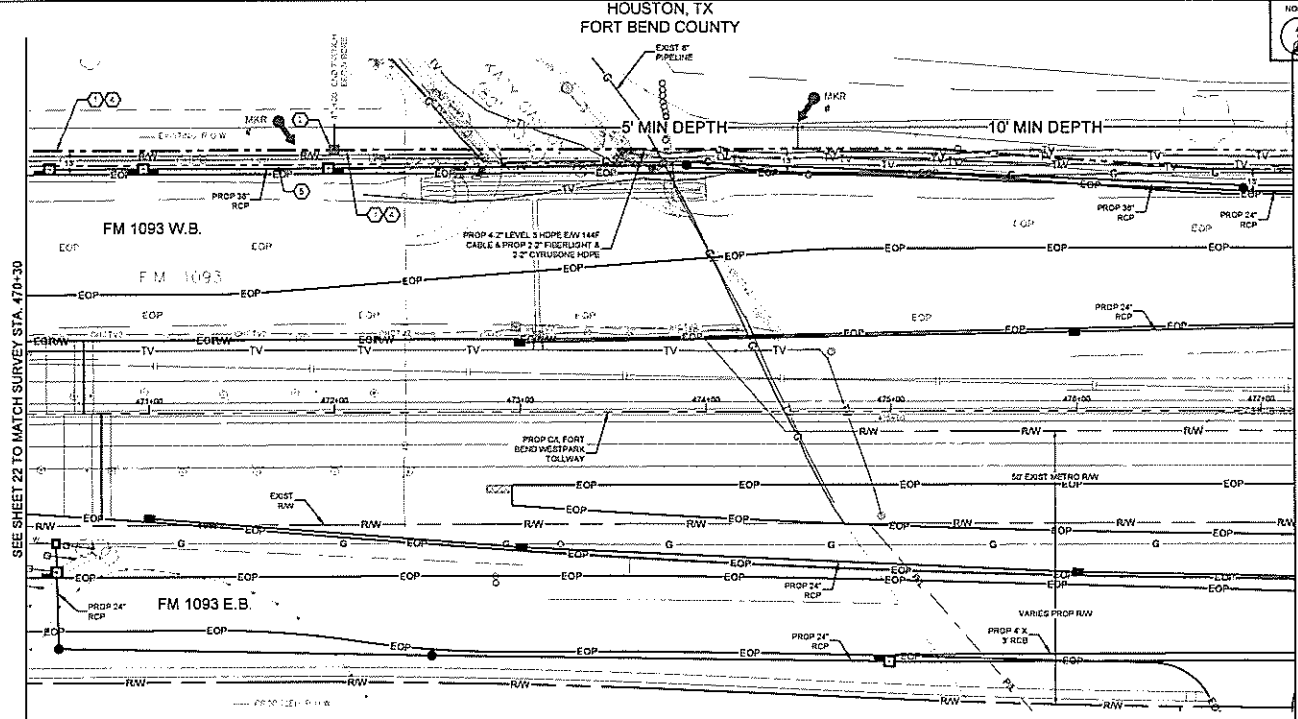
LEVEL 3 ENGINEER
KATH MALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1553 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING NAME

SCALE: VERT. 1\"/>

SHEET 22A OF 31

CONTRACTOR'S SIGNATURE

HOUSTON, TX
FORT BEND COUNTY



- CONSTRUCTION NOTES**
- CONDUIT OWNER LEVELS
CONDUIT LENGTH 177'
CONDUIT QTY: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: REMOVE 8-12" HDPE
 - PROPOSED 10' DEPTH
 - CONDUIT OWNER LEVELS
CONDUIT LENGTH 250'
CONDUIT QTY: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: REMOVE 8-12" HDPE
 - CABLE FIBERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 160'
 - CABLE FIBERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 160'
NOTES: REMOVE 144F CABLE

- CONTRACTOR NOTE**
CONTRACTOR MUST SUPPLY
ALL HDPE CONDUITS AS
NOTED BELOW
- 8-12" HDPE 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	10-25-16	AS-BUILT
2	11-13-16	REVISION # 1
DATE	TIME	COMMENT
Level(3) CONSULTANTS LEVEL 3 ENGINEER KEITH HALL ENGINEERING FIRM CONSTRUCTION SERVICES PROJECT NUMBER LOCATION: FM 1093 WESTPARK EXTENSION, HOUSTON, TX DRAWING NUMBER		
SCALE: HGR 1"=50' SHEET 23 OF 31 CONFIDENTIAL/PROPRIETARY		

Page Take Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-12" HDPE SDR-9	FT	890	
MAT-62200 - 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" HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	170	
UGB-30010-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HDPE CONDUIT UP TO 2"	FT	520	
UGB-30050-S - PLACE UP TO 289 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	1	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31070-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,100	
UGB-30700-S - DIR BORE GREATER THAN 1200' ADDITIONAL CONDUIT UP TO 2"	FT	3,640	



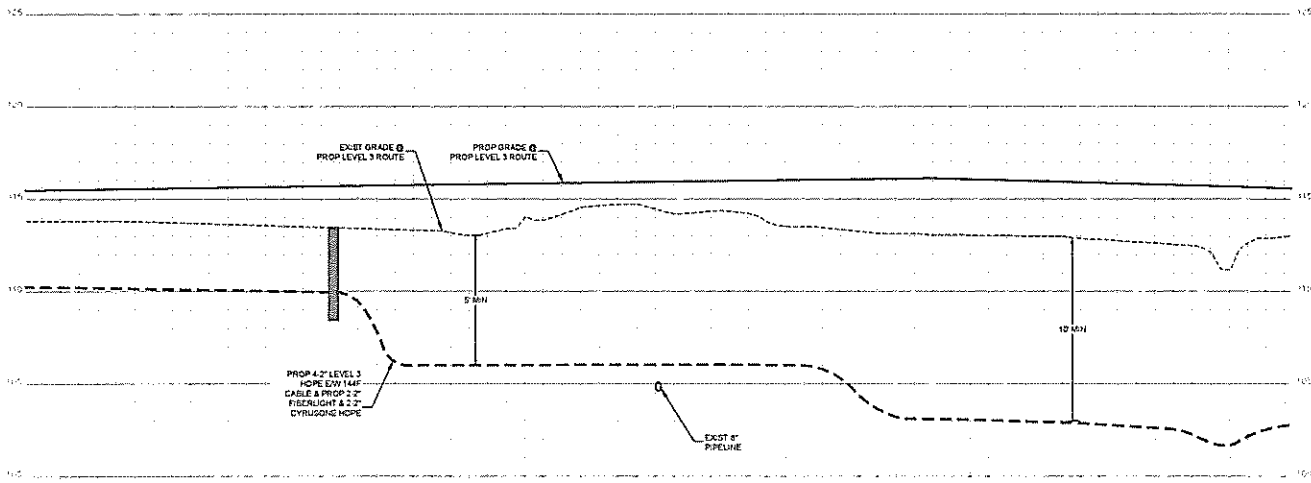
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE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

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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BLACK W PURPLE STRIPE

BLACK W ORANGE STRIPE

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BLACK W WHITE STRIPE

BLACK W GREY STRIPE

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
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CALL BEFORE YOU DIG
1-800-545-4000
48 HOURS NOTICE REQUIRED

Level(3)
CONSTRUCTION

LEVEL ENGINEER

KEITH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

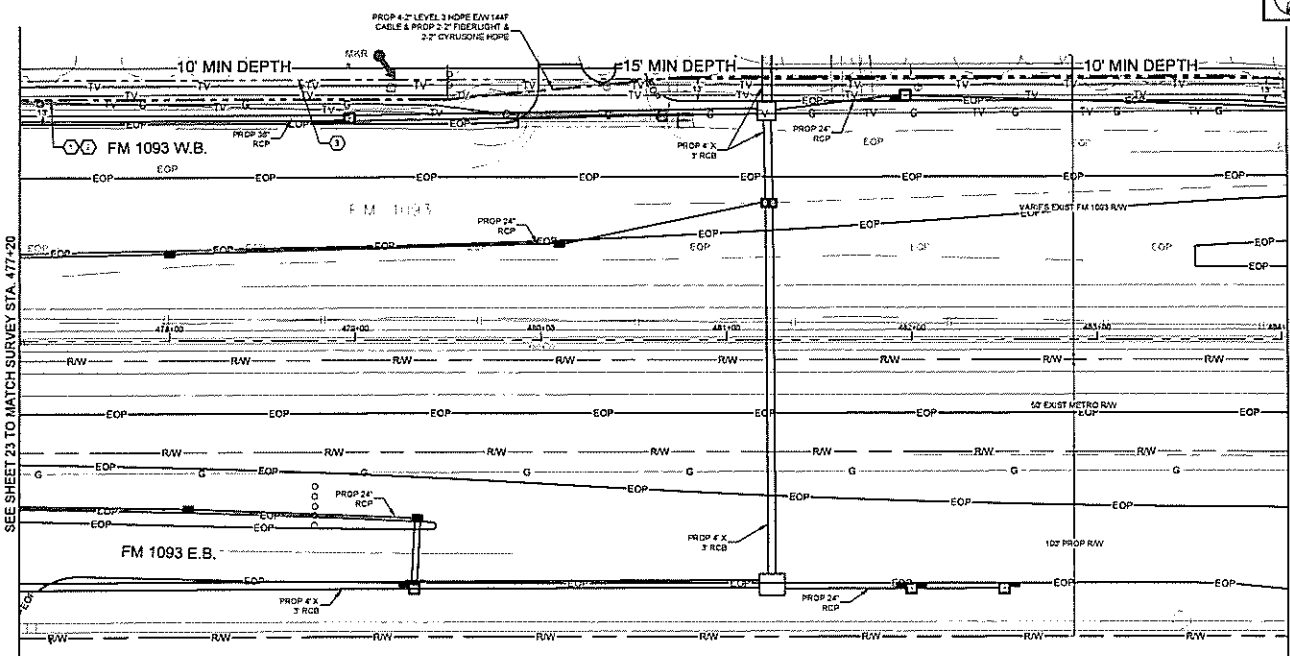
PROJECT NUMBER

LOCATION FM 1033 WESTPARK

EXTENSION HOUSTON, TX

DRAWING NAME

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT LENGTH 600'
CONDUIT SIZE 8"
CONDUIT TYPE SDR
NOTES: BORE 8-2" HOPE
2. CABLE FIBERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 600'
3. CABLE FIBERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 600'
NOTES: ADJAC 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
 - 3-2" FIBER/UNT
 - 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	THE DESIGN
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2-2-18		REVISION # 1
11-13-19		ORIGINAL
DRAWING		COMMENT

Level3
LEVEL 3 SERVICES

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

SCALE: HORIZ. 1"=50'
SHEET: 24 OF 31
CONFIDENTIAL/PROPRIETARY

Page Name OR - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-30150 - CONDUIT 8-2" 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
UGB-30500-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	650	
UGB-30500-S - PLACE UP TO 288 COUNT FIBER IN CONDUIT UP TO 1500'	FT	650	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31000-S - PLACE LOCATE MARKER POST	EA	1	
UGB-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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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

6.2" HOPE CONFIGURATION

4.7" (LEVEL 3)

BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN STRIPE

2" FIBERGLIGHT

BLACK W/ RED STRIPE

BLACK W/ BLUE STRIPE

2" CYRUSONE

BLACK W/ WHITE STRIPE

BLACK W/ GREY STRIPE

NO DATE THE DESIGN

2-2-18 REVISION # 1

11-13-15 ORIGINAL

DRAWING COMMENT

Level(3)

LEVEL ENGINEER

KEITH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION FM 1503 W. STRAIN

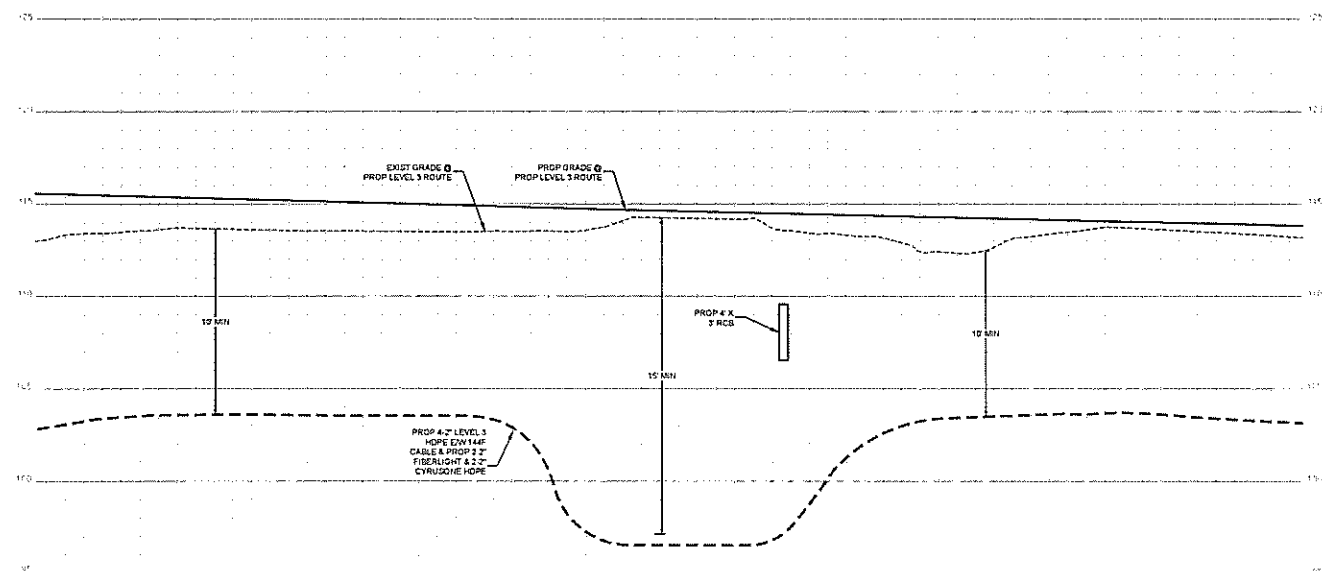
CITY OF HOUSTON, TX

DRAWING DATE

SCALE VERT 1"=5'

SHEET 24A OF 31

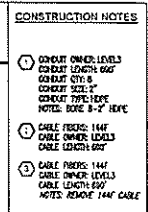
CONFIDENTIAL/PROPRIETARY



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



SEE SHEET 26 TO MATCH SURVEY STA. 490+90

Page Release Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UCD-33050-S. DIRECTIONAL ROPE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	690	
UCD-33050-S. PLACE UP TO 288 CONDUIT FOC IN CHUTE. UP TO 1550'	FT	690	
UCD-31900-S. REMOVE AND DISPOSE OF 1 1/4" CABLE	FT	650	
UCD-31950-S. PLACE LOCATE MARKER POST	EA	2	
UCD-33700-S. DIR ROPE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4,830	

CALL BEFORE YOU DIG
1-800-845-8005
48 HOURS NOTICE REQUIRED

4.2 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

3.2 CYRUSONE

☐ BLACK W/ WHITE STRIPE

☐ BLACK W/ GREY STRIPE

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Level (3)
CONDUCTIONS

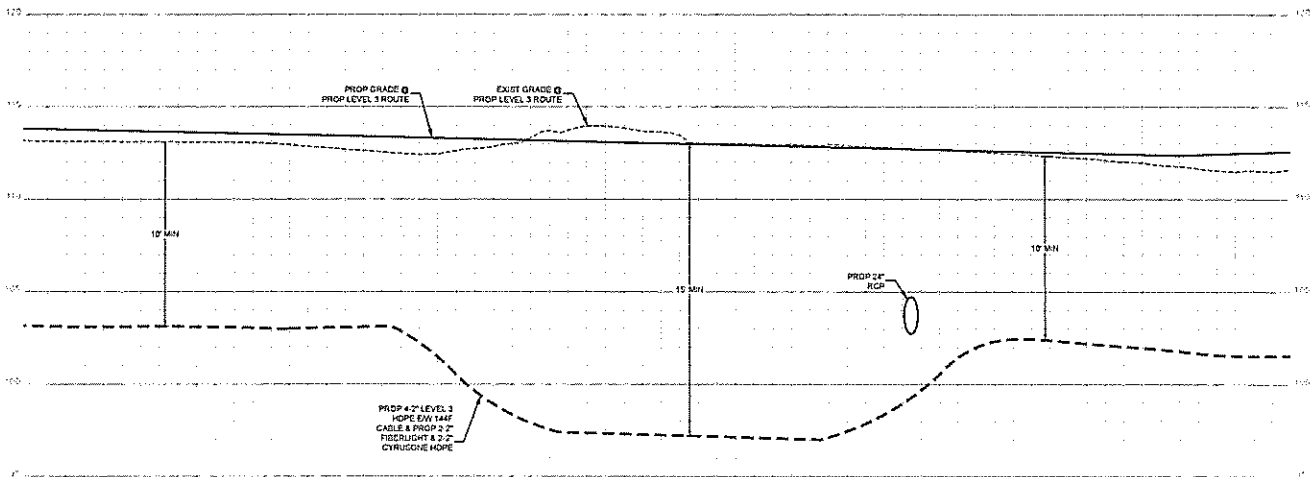
LEVEL 3 ENGINEER KEITH HALL
ENGINEERING FIRM GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION FM 1093 WESTFARM EXTENSION, HOUSTON TX
DRAWING NOOE

SCALE HDR 1"=10'
SHEET 25 OF 31

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE:
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
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11-13-18	REVISION # 1
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Level(3)

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
GOLDEN FIELD SERVICES

PROJECT NUMBER
LOCATION: FM 1051 WESTPARK
EXTENSION-HOUSTON, TX

DRAWING NAME
SCALE: VERT. 1"=8'

SHEET 25A OF 31
COST ESTIMATE PREPARED BY

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: LEVEL 3
CONDUIT LENGTH: 220'
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8"-2" HOPE
2. LEVEL 3 HANDBOOK
CALL 100 1-144F IN 141
3. PROPOSED BORE
4. CONDUIT OWNER: LEVEL 3
CONDUIT LENGTH: 450'
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8"-2" HOPE
5. CABLE TIE: 144F
CABLE OWNER: LEVEL 3
CABLE LENGTH: 500'
NOTES: REMOVE 144F CABLE
6. CABLE TIE: 144F
CABLE OWNER: LEVEL 3
CABLE LENGTH: 500'
NOTES: REMOVE 144F CABLE
7. FIDUCIAL HANDBOOK
8. ORANGE HANDBOOK

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

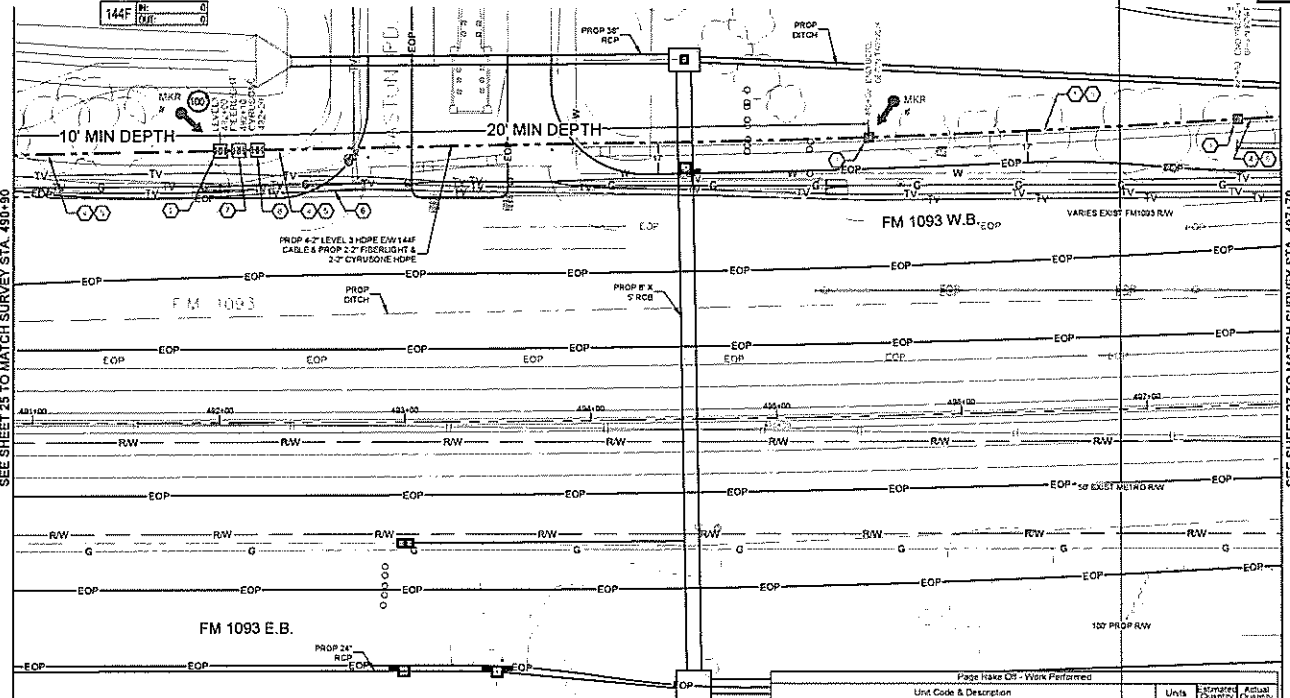
- 8" HOPE CONFIGURATION
- 4" (LEVEL 3)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIDUCIAL
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUS/ONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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Level 3

LEVEL 3 ENGINEER
KATH HALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WEST PARK
EAST HOUSTON, HOUSTON, TX
DRAWING NUMBER

SCALE: HOR. 1"=10'
SHEET 26 OF 31
CONFIDENTIAL/PROPRIETARY



SEE SHEET 25 TO MATCH SURVEY STA. 490+00

SEE SHEET 27 TO MATCH SURVEY STA. 497+70



CALL BEFORE YOU DIG
1-800-545-8885
48 HOURS NOTICE REQUIRED

Page Blank Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-50150 - CONDUIT 6" HDPE SDR 9	FT	650	
MAT-50970 - TIER 15 3/8" X 3/8" WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-92050 - WARNING TAGS AND/OR MARKERS	EA	2	

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Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	220	
UGB-30140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	220	
UGB-30500-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	450	
UGB-30500-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COIL)	FT	760	
UGB-31270-S - PLACE NEW 20" X 48" X 3/8" - NON CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT 6' X 4' X 5'	EA	2	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31970-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1 540	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	3 220	

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.

4-2" LEVEL(3)

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

- 2 1/2" FIBERLIGHT
☐ BLACK W/ RED STRIPE
☐ BLACK W/ BLUE STRIPE
 2 1/2" CYRUSKIE
☐ BLACK W/ WHITE STRIPE
☐ BLACK W/ GREY STRIPE

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NO	DATE	ENG DESIGN
		AS-BUILT
2-2-16		REVISION # 1
11-13-15		ORIGINAL
DRAFTING		COMMENT

Level(3)[®]

LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION FM 1029 WESTPARK
EXTENSION - HOUSTON TX
DRAWING NAME

SCALE VERT 1"=5'

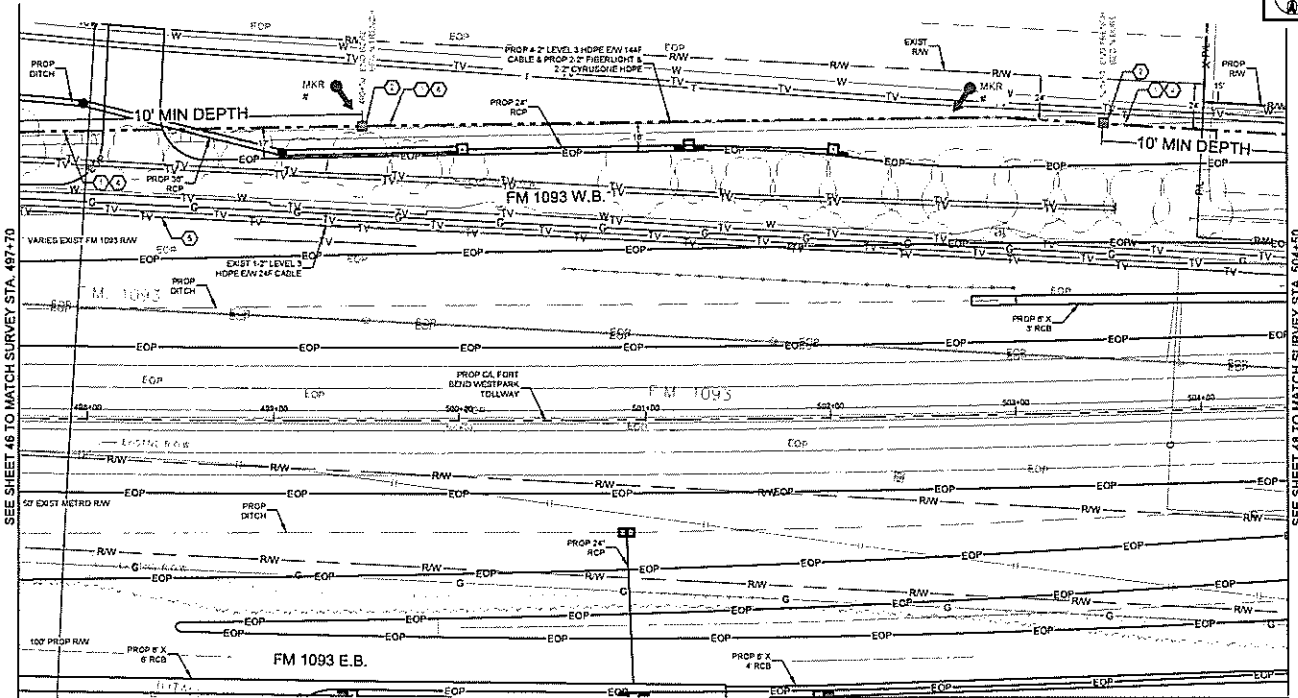
SHEET 25A OF 31

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
1-800-5-45-8005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT LENGTH 120'
2. CONDUIT SIZE 3"
CONDUIT TYPE HOPE
NOTES: BORE 8-2" HOPE
3. PROPOSED EXPOSE
4. CONDUIT OWNER LEVELS
CONDUIT LENGTH 400'
5. CONDUIT SIZE 3"
CONDUIT TYPE HOPE
NOTES: TRENCH 8-2" HOPE
6. CABLE PRODS: 144"
7. CABLE OWNER LEVELS
CABLE LENGTH 400'
8. CABLE PRODS: 144"
9. CABLE OWNER LEVELS
CABLE LENGTH 400'
10. 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" PB BRIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUS ONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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2-13-15		REVISION # 1
DRAFTING		COMMENT

Level(3)
LEVEL 3 ENGINEERING

LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWN BY: JMM

SCALE: HOB. 1"=50'
SHEET 27 OF 31
CONFIDENTIAL/PROPRIETARY

Page Rate Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-30100 - CONDUIT 8-2" HOPE SDR 9	FT	600	
MAT-92000 - WARNING TADS AND/OR MARKERS	EA	2	



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

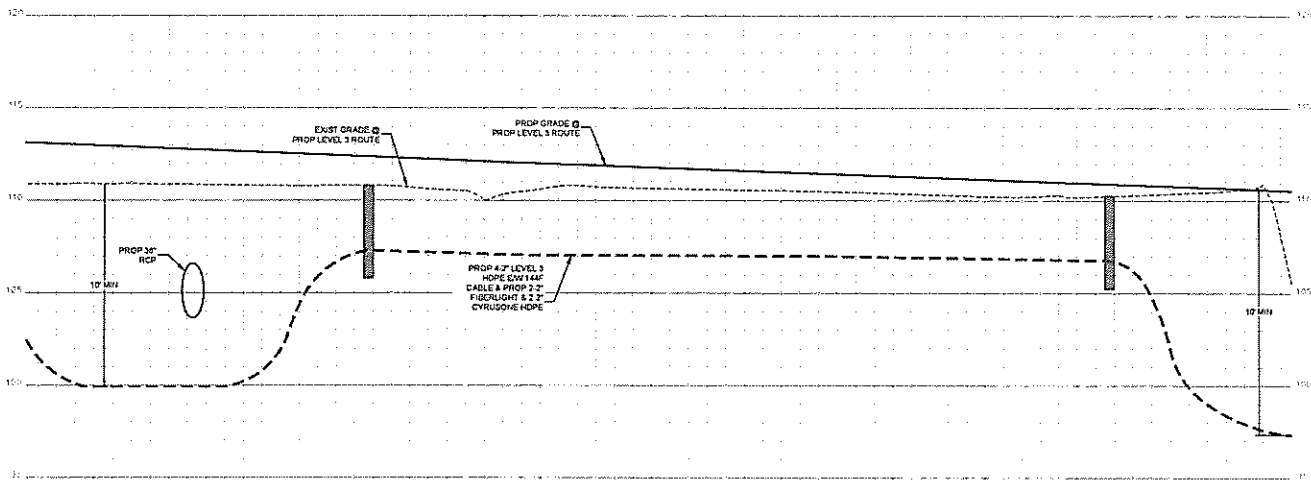
CALL BEFORE YOU DIG
1-800-545-6009
48 HOURS NOTICE REQUIRED

Page Rate Off - Work Performed			
Unit 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	600	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
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 - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1 500	

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

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BLACK W/ GREY STRIPE

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UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S
RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND CONSTRUCTIONS 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

Level(3)
CONSTRUCTORS

LEVEL 3 ENGINEER

KEITH WALL

ENGINEERED FARM

GOLDEN FELD SERVICES

PROJECT NUMBER

LOCATION: FM 1053 WESTPARK

EXTENSION: HOUSTON, TX

DRAWING NAME

SCALE: VERT 1"=5'

SHEET 27A OF 31

CONSENT AUTHORITY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT LOCATES 1007
CONDUIT CITY 8
CONDUIT 22" 2"
CONDUIT TYPE HOPE
NOTES: BORE 8-2" HOPE
2. PROPOSED BORE
CONDUIT OWNER LEVELS
CONDUIT LOCATES 1007
CONDUIT CITY 8
CONDUIT 22" 2"
CONDUIT TYPE HOPE
NOTES: BORE 8-2" HOPE
3. CABLE RISERS: 144"
CABLE OWNER LEVELS
CABLE LENGTH 800'
NOTES: BORE 8-2" HOPE
4. CABLE RISERS: 144"
CABLE OWNER LEVELS
CABLE LENGTH 800'
NOTES: BORE 8-2" HOPE

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

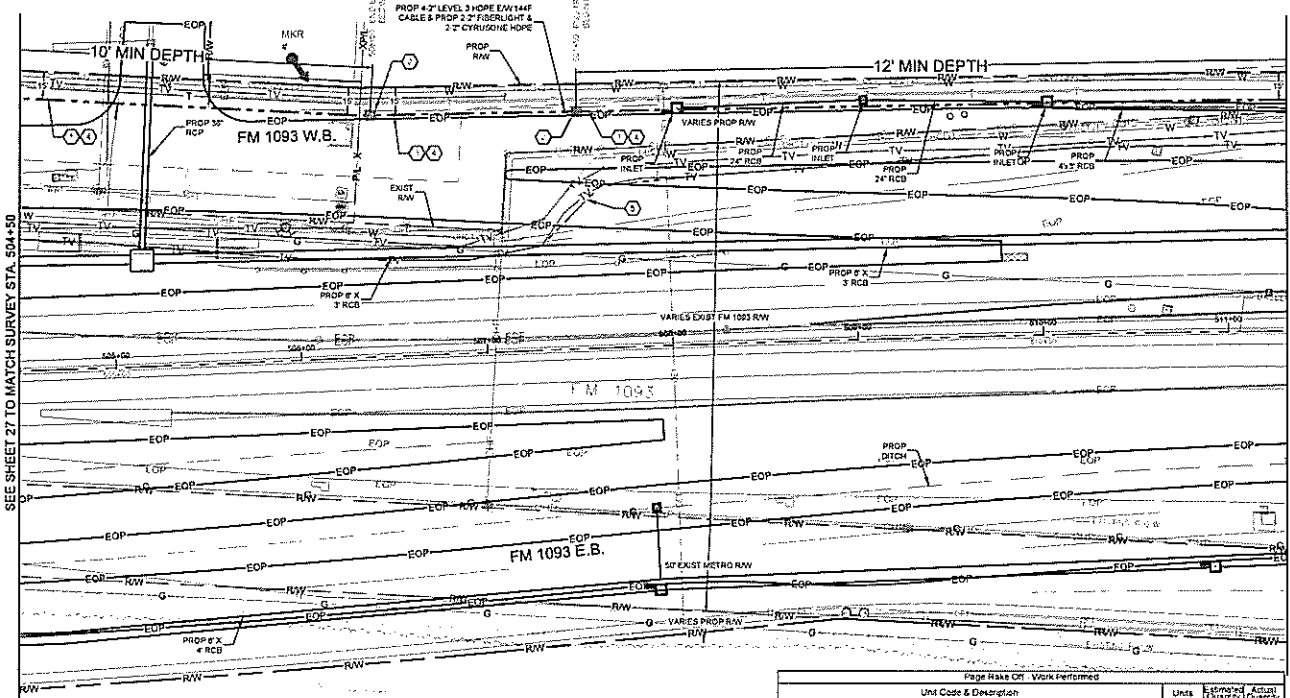
- 8" HOPE CONFIGURATION
- 4" LEVELS
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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Level(3)

LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
COLUMBIA FIELD OFFICE
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NAME

SCALE: HOR: 1"=50'
SHEET: 28 OF 31
CDR: BENTLEY/PROPRIETARY



SEE SHEET 27 TO MATCH SURVEY STA. 504+50

SEE SHEET 29 TO MATCH SURVEY STA. 511+30



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

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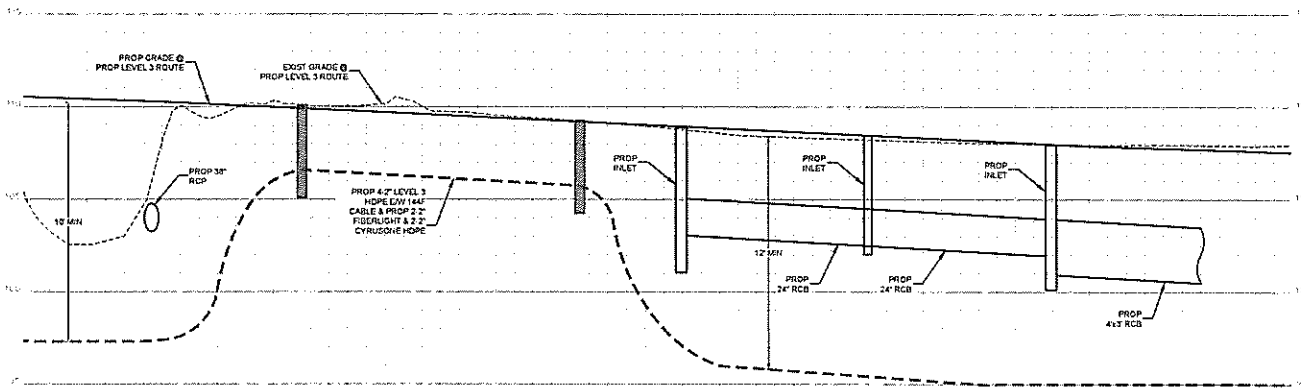
Page Make Off - Materials				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
MAT-20120 - CONDUIT 8" 2" HOPE CDR 8	FT	650		
MAT-20220 - WARNING TAGS AND/OR MARKERS	EA	1		

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	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	550		
UGB-30250-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650		
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2		
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	550		
UGB-31250-S - PLACE LOCATE MARKER POST	EA	1		
UGB-30150-S - PLACE ADDITIONAL HOPE IN 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 COUNTS AS
NOTED BELOW

6-2' HOPE CONFIGURATION

4-2' LEVEL(2)

☐ 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 END DESIGN

2-2-18 REVISION 1

11-13-18 ORIGINAL

DRAWING COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION FM 1013 WESTPARK

EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE VERT 1"=5'

SHEET 28A OF 31

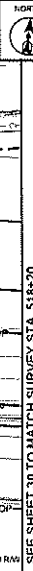
CSH IDENTICAL/PROPRIETARY

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
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DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CALL BEFORE YOU DIG
1-800-542-6025
48 HOUR NOTICE REQUIRED

144F	RE:	0
	OUT:	0



Unit Code & Description	Units	Estimated Quantity	Unit Cost
UCB-30505-5 - TREICH GREATER THAN 1500' TREICH 4" MINIMUM COVER	FT	700	200
UCB-31040-5 - PLACE 1" HOPE CONDUITS IN OPEN TREICH UP TO 2"	FT	400	200
UCB-30505-5 - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT IN CO.	FT	400	400
UCB-30505-5 - PLACE UP TO 288 CONDUIT FOC IN CONDUIT UP TO 1500' (100' IN CO.)	FT	760	200
UCB-31270-5 - PLACE NEW .3075x.936" HIGH-CONCRETE HANDHOLE	EA	3	200
UCB-31640-5 - EXCAVATE SMALL PIT EXXGXS	EA	2	200
UCB-31050-5 - REMOVE AND DISPOSE OF 1.546' CABLE	FT	690	200
UCB-30505-5 - INTERCEPT CONDUIT WHE CAST 2"	EA	1	200
UCB-31050-5 - PLACE LOCATE MARKER POST	EA	2	200
UCB-30150-5 - PLACE ADDITIONAL HOPE IN OPEN TREICH CONDUIT UP TO 2"	FT	1,400	200
UCB-30700-5 - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2,600	200

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

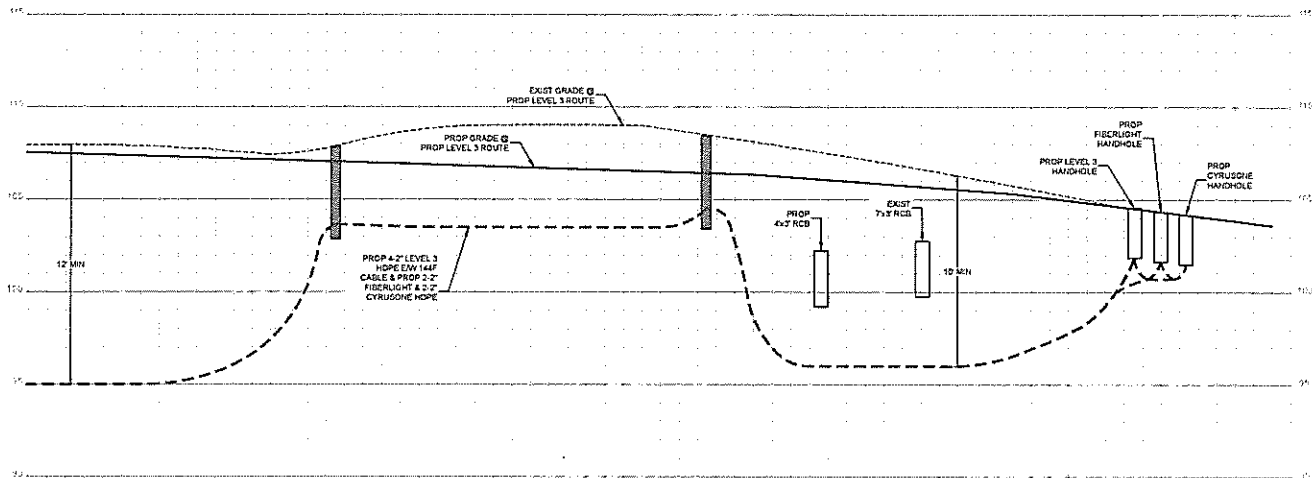
- 4-7" LEVEL(3)**
☐ BLACK W/ PURPLE STRIPE
☐ BLACK W/ ORANGE STRIPE
☐ BLACK W/ GREEN STRIPE
☐ BLACK W/ BROWN STRIPE
- 2-2" FIBERGLIGHT**
☐ BLACK W/ RED STRIPE
☐ BLACK W/ BLUE STRIPE
- 2-2" CYRUSONE**
☐ BLACK W/ WHITE STRIPE
☐ BLACK W/ GREY STRIPE

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NO.	DATE	END DESIGN
2-2-16		AS-BUILT
11-13-15		REVISION # 1
		ORIGINAL
DRAFTING		COMMENT
		
LEVEL 3 ENGINEER KEDD HALL ENGINEERING FIRM GOLDEN FIELD SERVICES PROJECT NUMBER LOCATION: FM 10355 @ SPARK EXTENSION, HOUSTON, TX DRAWING NAME		
SCALE: 1/8" = 1'-0" SHEET: 28 OF 31		

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
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DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



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

Level(3)
CONSTRUCTION

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1053 WESTPARK

EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE: VERT. 1\"/>

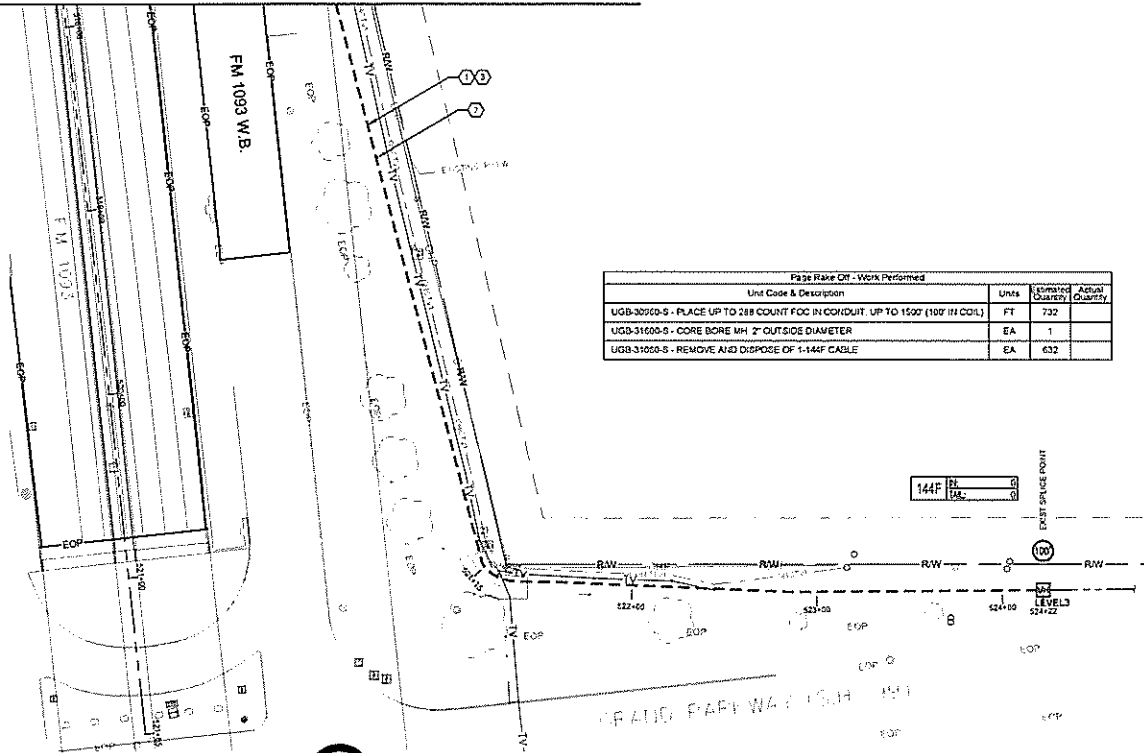
SHEET 28A OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



SEE SHEET 29 TO MATCH SURVEY STA. 517+90



CONSTRUCTION NOTES

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

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

- 8" HDPE CONFIGURATION
- 4" LEVEL (3)
- ☐ 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" CYRULONE
 - ☐ BLACK W/ WHITE STRIPE
 - ☐ BLACK W/ GREY STRIPE

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2-3-18		AS-BUILT
11-1-19		REVISION # 1
DRAWING	ORIGINAL	COMMENT

Level(3)
LEVEL 3 ENGINEER

KEDRITHALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WELDFARM
EXTENSION: HOUSTON, TX
DRAWING NUMBER

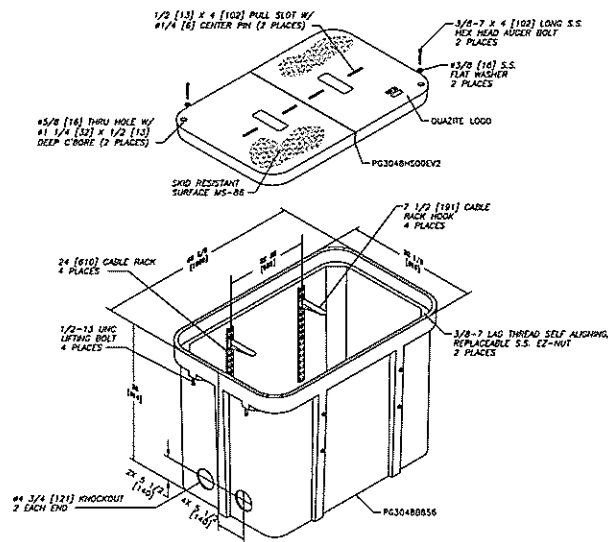
SCALE: HORIZ 1"=50'
SHEET 30 OF 31
CONFIDENTIAL/PROPRIETARY

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.



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

HANDHOLE DETAIL



TYPICAL DETAIL - A

30X48X36 ASSEMBLY
W/(4) 24" CABLE RACKS
& (4) 7 1/2" HOOKS
PG3048Z587EV2
QUARTZ - 25479685

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

3-2" HOPE CONFIGURATION

4-2" (LEVEL 3)

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

3-2" FIBERGLIGHT

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

2-2" CYRUSONE

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

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Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

ON-SITE FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1031 THE STARLINE

EXTENSION - HOUSTON, TX

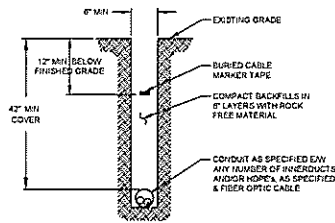
DRAWING NUMBER

SHEET 30A OF 31

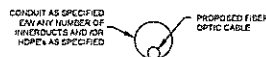
CONFIDENTIAL/PROPRIETARY

CONSTRUCTION DETAIL

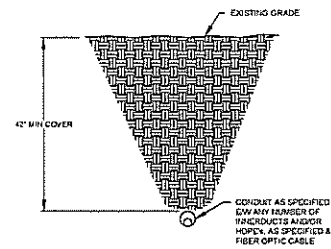
TYPICAL DETAIL "A"
TRENCH & PLACE CONDUIT



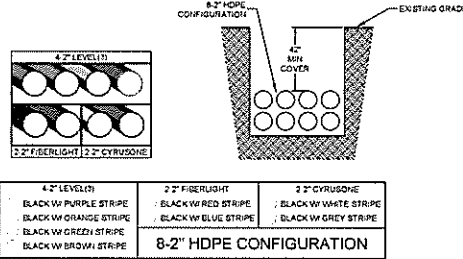
TYPICAL DETAIL "B"
CROSS SECTION OF PROPOSED HDPE



TYPICAL DETAIL "C"
DIRECTIONAL BORE CROSS SECTION
FOR CONDUIT



TYPICAL DETAIL "D"
HDPE CONFIGURATION



4" LEVEL (1)	2" FIBERLIGHT	2" CYRUSONE
BLACK W/ PURPLE STRIPE	BLACK W/ RED STRIPE	BLACK W/ WHITE STRIPE
BLACK W/ ORANGE STRIPE	BLACK W/ BLUE STRIPE	BLACK W/ GREY STRIPE
BLACK W/ GREEN STRIPE		
BLACK W/ BROWN STRIPE		

8-2" HDPE CONFIGURATION

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HDPE CONDUITS AS
NOTED BELOW

- 8-2" HDPE 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
 - 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 1023 NE STARK
EXTENSION - HOUSTON, TX
DRAWING DATE

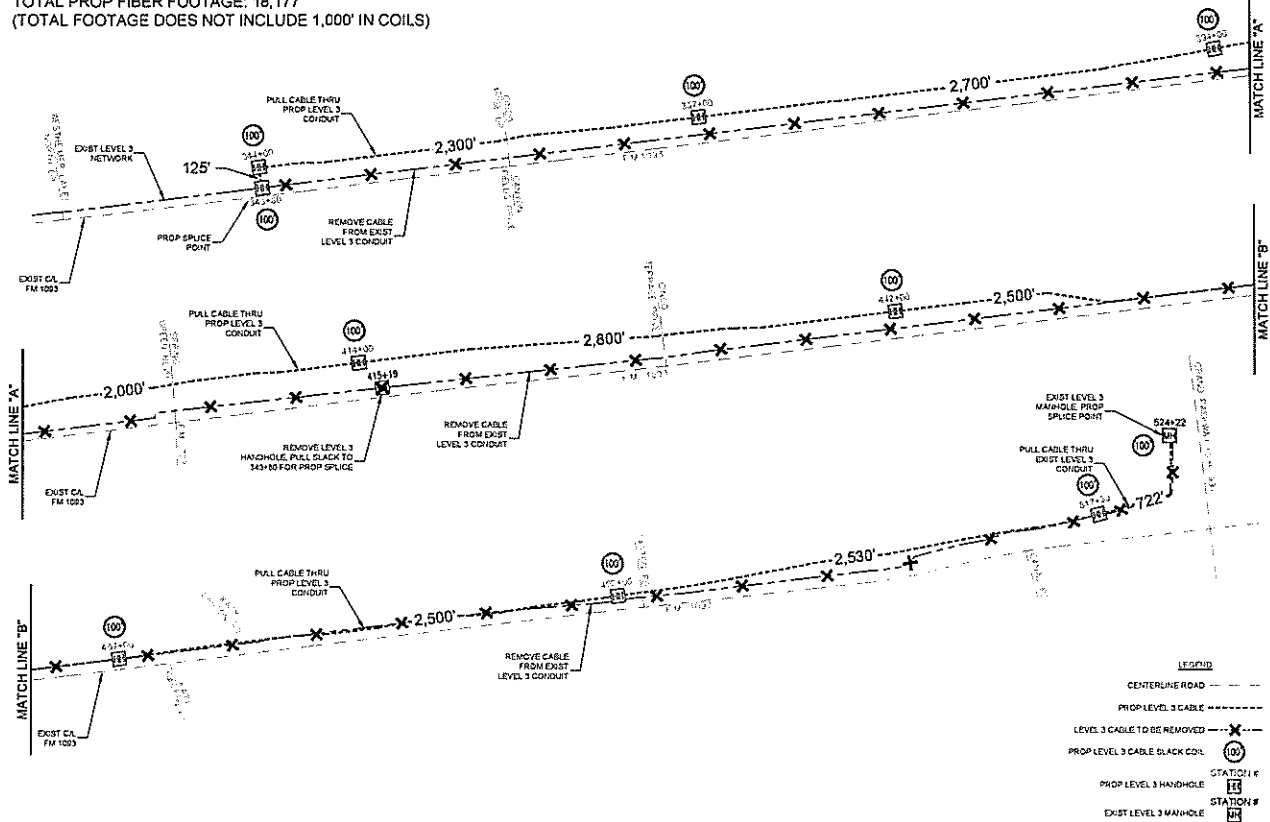
SHEET 308 OF 31
CONFIDENTIAL/PROPRIETARY

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 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

3" FIBERLIGHT

BLACK W/ RED STRIPE

BLACK W/ BLUE STRIPE

3" 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 BLACK COIL

PROP LEVEL 3 HANDHOLE

EXIST LEVEL 3 HANDHOLE

STATION #

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Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

SON DEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1203 WESTFAIR

EXTENSION: HOUSTON, TX

DRAWING NUMBER

SHEET 30C OF 31

CONFIDENTIAL PROPRIETARY

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-90360 - CONDUIT: WYE CAST 2"	EA	1	
MAT-92090 - 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" FIBERGLIGHT
- ☐ BLACK W/ RED STRIPE
- ☐ BLACK W/ BLUE STRIPE

- ☐ 2-2" CYRUSOPE
- ☐ BLACK W/ WHITE STRIPE
- ☐ BLACK W/ GREY STRIPE

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11-12-15		REVISION # 1
		ORIGINAL
DRAFTING		CONTRACT



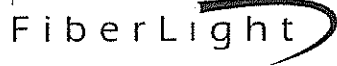
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELD DRIVE 2
PROJECT NUMBER
LOCATION: FM 1535 HOUSTON
EXTENSION - HOUSTON, TX
DRAWING NAME

Exhibit B

FiberLight Construction Cost Estimate

Date
Fort Bend County

UAC 3/14/16
Initial Date
Fiberlight

**ESTIMATE****Customer**

Name Fort Bend County FM 1093 Westpark Extension
Address _____
City _____ State TX ZIP _____
Phone _____

Date _____
Order No. _____
Rep _____

Scope of Work

FM 1093 Westpark Extension Joint Relocation - FiberLight portion - Per Standard Utility Agreement U-0018

Qty	Description	Unit Price	TOTAL
1	FiberLight Share of Construction Costs	\$ 180,771.30	\$ 180,771.30
1	FiberLight Splicing - QTY 648	\$ 21,502.00	\$ 21,502.00
23500	FiberLight Fiber Placement	\$ 1.30	\$ 30,550.00
23500	FiberLight Material- Fiber Optic Cable	\$ 1.55	\$ 36,425.00
1	FiberLight share of Engineering	\$ 2,733.86	\$ 2,733.86
1	FiberLight Internal Costs and Overhead	\$ 5,900.00	\$ 5,900.00
		SubTotal	\$ 277,882.16
		Shipping	
		TOTAL	\$ 277,882.16

Payment Credit

Comments FiberLight Construction Cost Estimate - Exhibit "B"

Tax Rate(s) _____
TOTAL \$ 277,882.16

Office Use Only

HAVE A NICE DAY

Exhibit C

FiberLight Schedule of Work and Estimated Dates of Completion

(As Shown Below)

Construction Schedule:

Begin Construction: March 28, 2015

Complete Construction: May 16, 2016

Date
Fort Bend County

WBE 3/14/16
Initial Date
Fiberlight

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

Certificate Number:
2016-26158

Date Filed:
03/15/2016

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Fiberlight, LLC
Alpharetta, GA United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Fort Bend County

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
23381- 03/15/16 - Utility Relocation regarding FM 1093/Westpark, Mobility Bond Project No. 748.

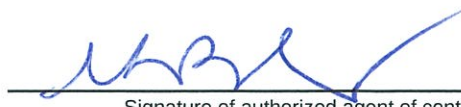
4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Covard, Randall	Alpharetta, TX United States GA (DSC)		X
NT Assets, LLC	Denver, CO United States	X	
Thermo Development, Inc.	Denver, CO United States	X	
FL Investment Holdings, LLC	Denver, CO United States	X	
Cash, Tony	Alpharetta, GA United States	X	
Kormos, Ronald	Alpharetta, GA United States	X	
Coyne, Kevin	Alpharetta, GA United States	X	

5 Check only if there is NO Interested Party.

☐

6 AFFIDAVIT

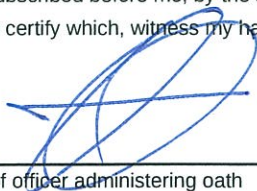
I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.



Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

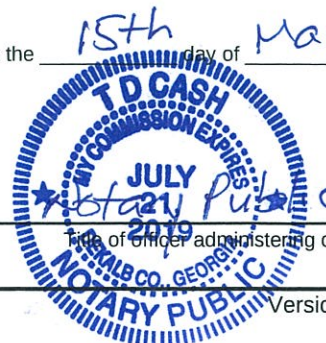
Sworn to and subscribed before me, by the said Kevin Coyne, this the 15th day of March, 2016, to certify which, witness my hand and seal of office.



Signature of officer administering oath

T.D. Cash

Printed name of officer administering oath



Signature of officer administering oath