

STANDARD UTILITY AGREEMENT

U-0010: Level 3 Communications, LLC
County: Fort Bend
Highway: FM 1093 Westpark Extension

This Agreement by and between the County of Fort Bend, Texas, ("**County**"), and **Level 3 Communications, 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.

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

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

Date
Fort Bend County

JS 3/15/16
Initial Date

Level 3

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

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

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

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

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

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

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

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 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.

_____	_____	JP	3/15/16
	Date	Initial	Date
Fort Bend County			Level 3

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.

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

UTILITY

Utility: Level 3 Communications, LLC
Name of Utility

By: 
Authorized Signature

Jeffrey Pouchard
Print or Type Name

Title: Vice President

Date: 3/15/16

Date
Fort Bend County

JP 3/15/16
Initial Date
Level 3

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

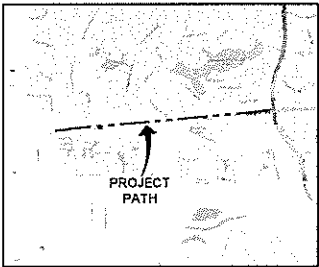
JP *3/15/14*
Initial Date
Level 3

Exhibit A

Level 3 Plans & Specifications

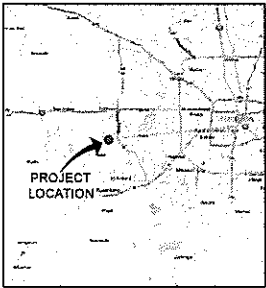
(62 Pages that Follow)

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
F.M. 1093 & WESTPARK
TOLLWAY DUE TO CITY OF
HOUSTON INFRASTRUCTURE
EXPANSION OF WESTPARK
TOLLWAY

PROJECT DESCRIPTION
CLIENT: HOUSTON
CITY OF HOUSTON
ADDRESS: FORT BEND
COUNTY, TEXAS
STATE: TEXAS
CITY: HOUSTON
CUSTOMER/CLIENT

1		
2		
3		
NO.	DATE	END SECTION
2-3-18	10/20/18	SECTION 2.1
11-13-18	11/13/18	SECTION 2.2
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	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 ATTACHMENT CALLOUT - EXISTING USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS
	POLE ATTACHMENT CALLOUT - PROPOSED USE DYNAMIC PULL DOWN TO SELECT FROM 1 TO 6 ATTACHMENTS
	CABLE SPAN CALLOUT - EXISTING FOR USE ON PAPER SPACE (SHOWN AT 50%)
	CABLE SPAN CALLOUT - PROPOSED FOR USE ON PAPER SPACE (SHOWN AT 50%)
	CONDUIT CALLOUT - EXISTING FOR USE ON PAPER SPACE (SHOWN AT 50%) WITH OR WITHOUT INNER DUCT INFO
	CONDUIT CALLOUT - PROPOSED FOR USE ON PAPER SPACE (SHOWN AT 50%) WITH OR WITHOUT INNER DUCT INFO
	STRAND CALLOUT - EXISTING FOR USE ON PAPER SPACE (SHOWN AT 50%)
	STRAND CALLOUT - PROPOSED FOR USE ON PAPER SPACE (SHOWN AT 50%)
	SYMBOL CORRESPONDS TO PHOTO LOCATION AND ORIENTATION SEE SHEET # FOR SITE PHOTOGRAPHS

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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	
SHEET 2 OF 31	
CONFIDENTIAL/PROPRIETARY	

GENERAL NOTES 1

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

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

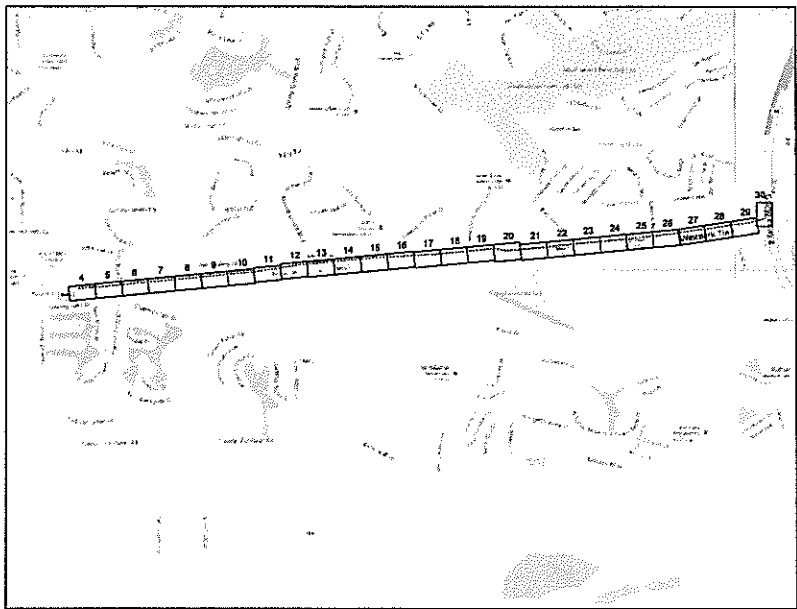
LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTERSTATE PIPELINE LLC WHERE APPLICABLE) ARE SHOWN IN APPROXIMATE LOCATION ONLY. SERVICES LINES ARE NOT USUALLY SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES 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.

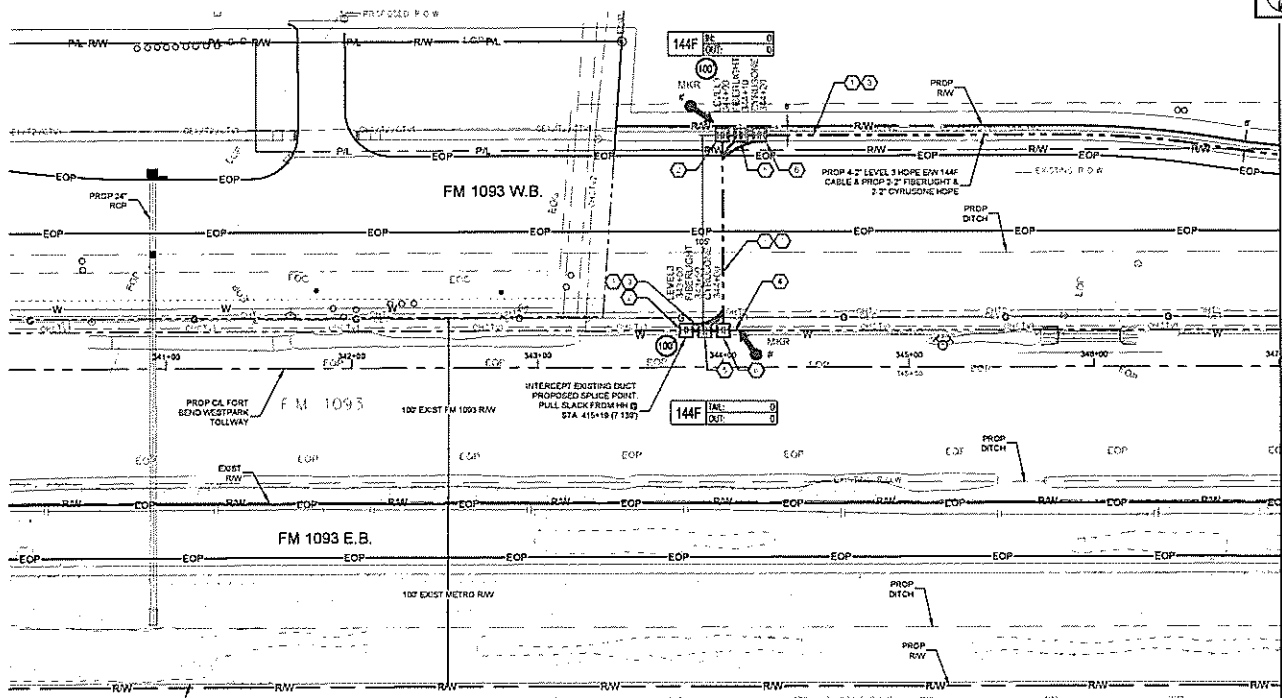
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NO	DATE	END DESIGN
2-2-18		AS-BUILT
11-12-18		REVISION # 1
DATE THIS		COMMENT
Level(3) CONSULTANTS		
LEVEL 3 ENGINEER KEITH HALL		
ENGINEERING FIRM GOLDEN FIELD SERVICES		
PROJECT NUMBER		
LOCATION: FM 1093 WEST PARK EXTENSION - HOUSTON, TX		
DRAWING NAME		
SHEET 28 OF 31		
COURTESY: PROPLETARY		

INDEX SHEET



3		
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NO.	DATE	ENG. DESIGN
2-2-18		AP-BUL
11-15-18		REVISION 1
DRAWING		ORIGIN
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



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

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'

5. NOTES: REMOVE 144F CABLE
FIBER OPTIC - 2
6. CRUISE INVOLE - 2

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

- 8-2\"/>

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

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\"/>

SHEET 4 OF 31

CONTRACTOR: FORT BEND COUNTY

Page Name Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HDPE SDR 9	FT	425	
MAT-90970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	6	
MAT-92030 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Name Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30250-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	405	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	425	
UGB-30260-S - PLACE UP TO 218 COUNT FOC IN CONDUIT UP TO 1600' (200' IN COLL)	FT	625	
UGB-31270-S - PLACE NEW .35"X48"X35" - NON-CONCRETE HANDHOLE	EA	6	
UGB-31090-S - REMOVE AND DISPOSE OF 1.144' CABLE	FT	200	
UGB-30730-S - INTERCEPT CONDUIT W/VE CAST 2"	EA	1	
UGB-31020-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30160-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,835	

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

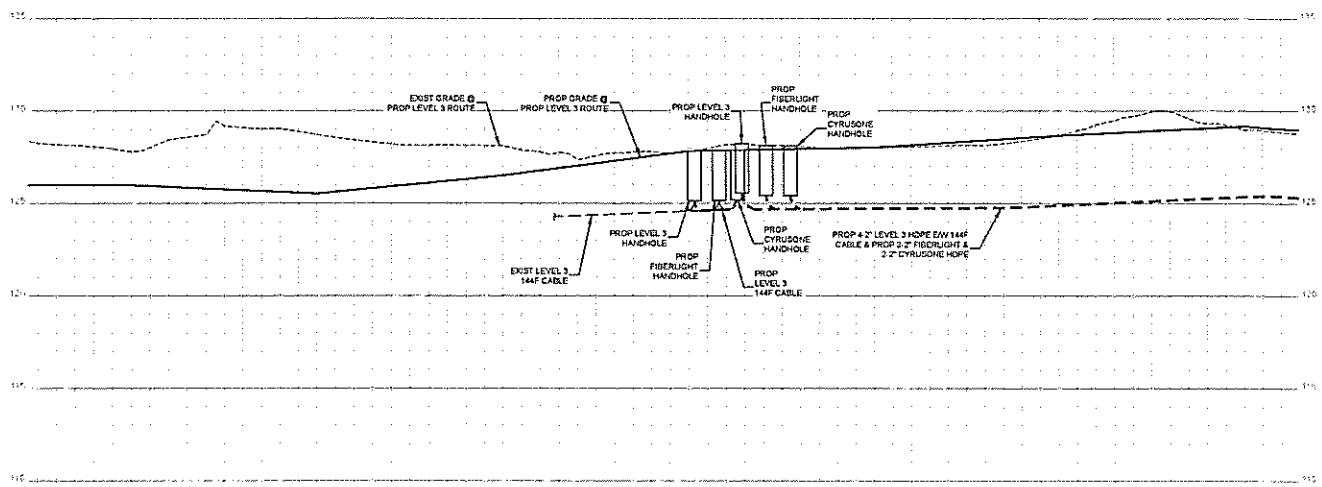


CALL BEFORE YOU DIG
1-800-545-6000
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

1		
2		
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4	DATE	END SECTION
5	2-2-18	AS-BUILT
6	11-13-13	ORIGINAL
7	DRAWING	COMMENT



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

SCALE: VERT 1\"/>

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

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

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

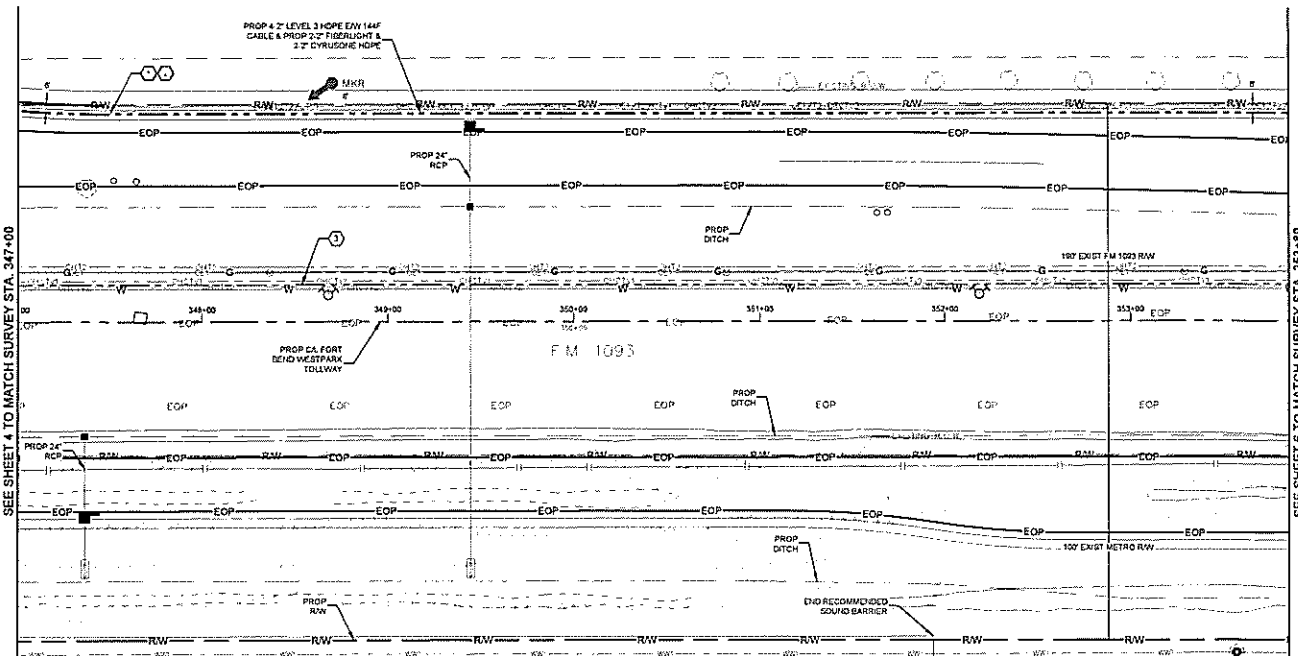
- 8-2" HOPE CONFIGURATION
- 4-2" LEVELS
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLASS
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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

Level(3)
CONSULTANTS

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

SCALE: HORIZ 1"=50'
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	



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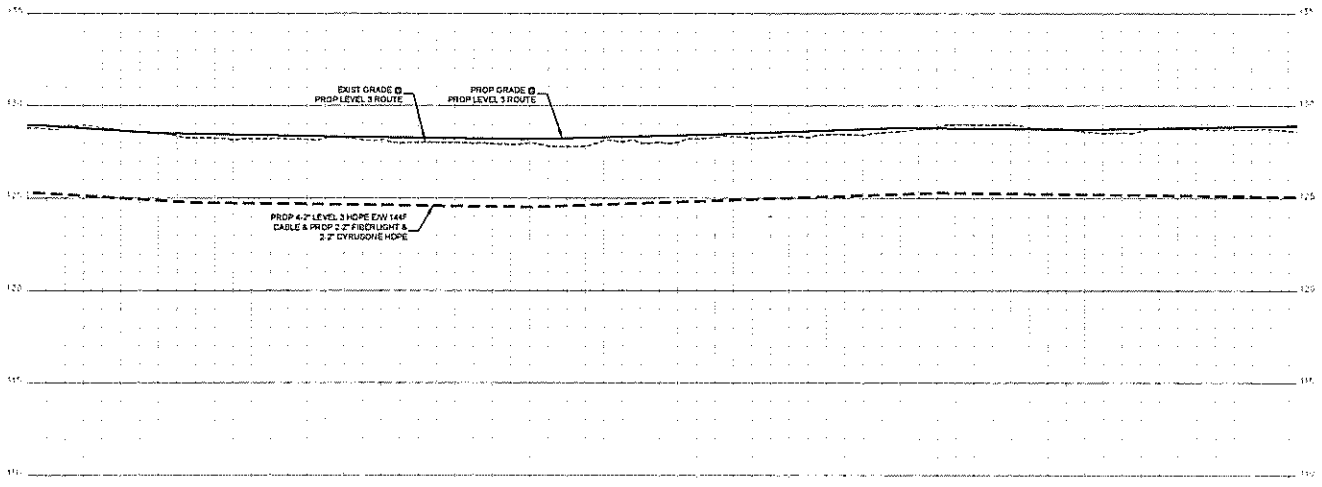
Page Make Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGD-30250-S - TRENCH GREATER THAN 1500' TRENCH 45" MINIMUM COVER	FT	650	
UGD-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	650	
UGD-30250-S - PLACE UP TO 289 COUNT FOC IN CONDUIT UP TO 1500'	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

- 6.0\"/>

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

Level(3)
ENGINEERS

LEVEL 3 ENGINEER
KEITH WILL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1013 WC ST PARK
EXTENSION - HOUSTON, TX
DRAWING NAME

SCALE: VERT. 1\"/>

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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

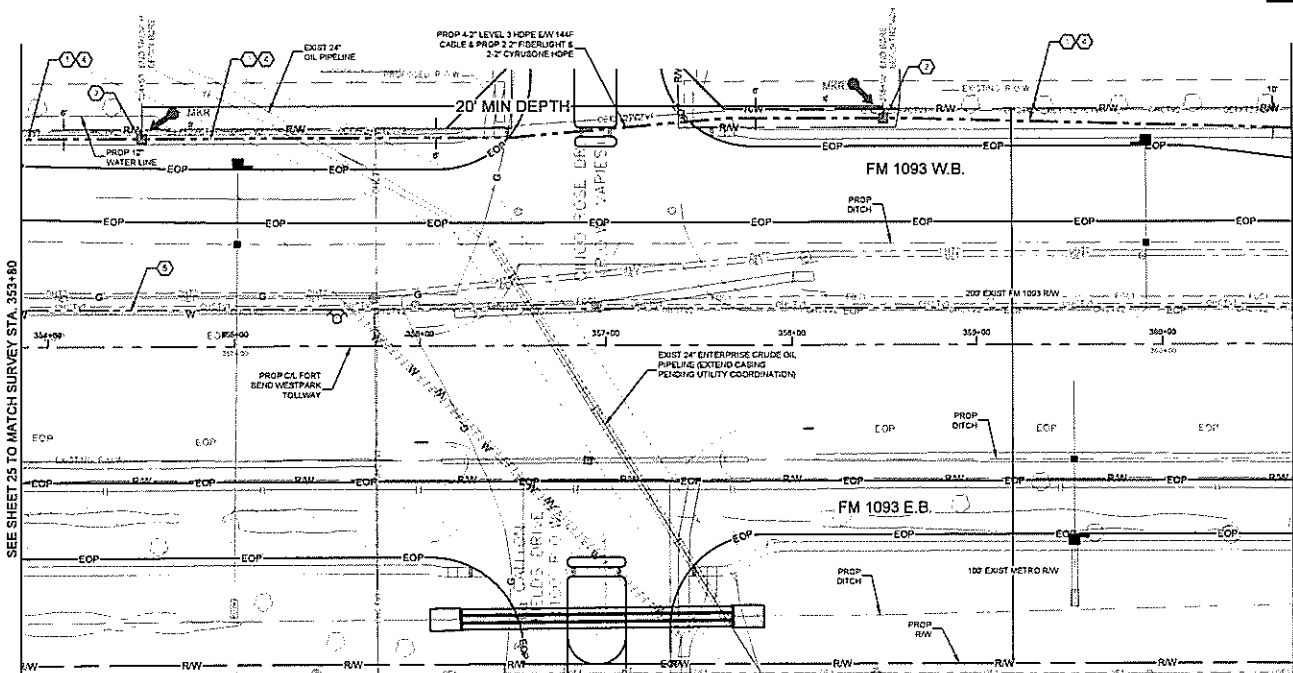
- 8-2" HOPE CONFIGURATION
- 4" (LEVEL 3)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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	650	
MAT-02050 - WARNING TAGS AND/OR MARKERS	EA	2	



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48 HOURS NOTICE REQUIRED

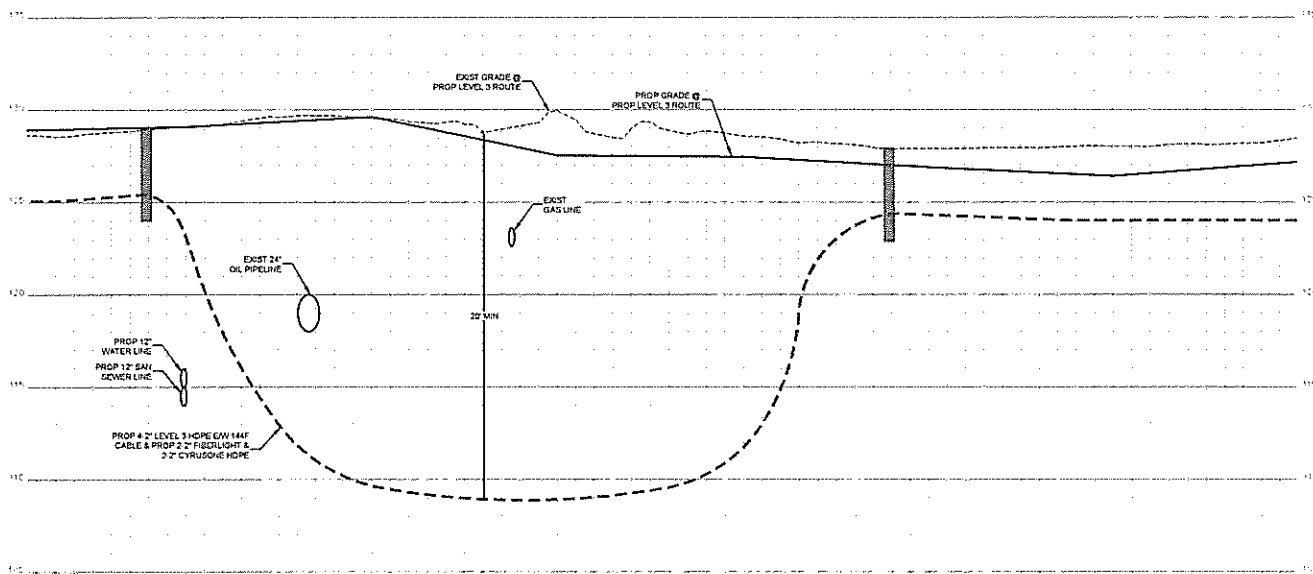
Page Raise Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	250	
UGB-30140-S - PLACE 1- HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	250	
UGB-30200-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30250-S - PLACE UP TO 250 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	2	
UGB-33150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,630	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2,600	

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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NO.	DATE	ENG. DESIGN
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Level(3)
CORPORATION

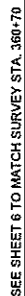
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: TX 103 WINE PARK
EXTENSION - HOUSTON, TX
DRAWING NOTE

SCALE: VERT 1"=4'
SHEET 6A OF 31
CONSTRUCTION PROPRIETARY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
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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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NO	DATE	END DESIGN
2-2-18		AS-BUILT
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
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48 HOURS NOTICE REQUIRED

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

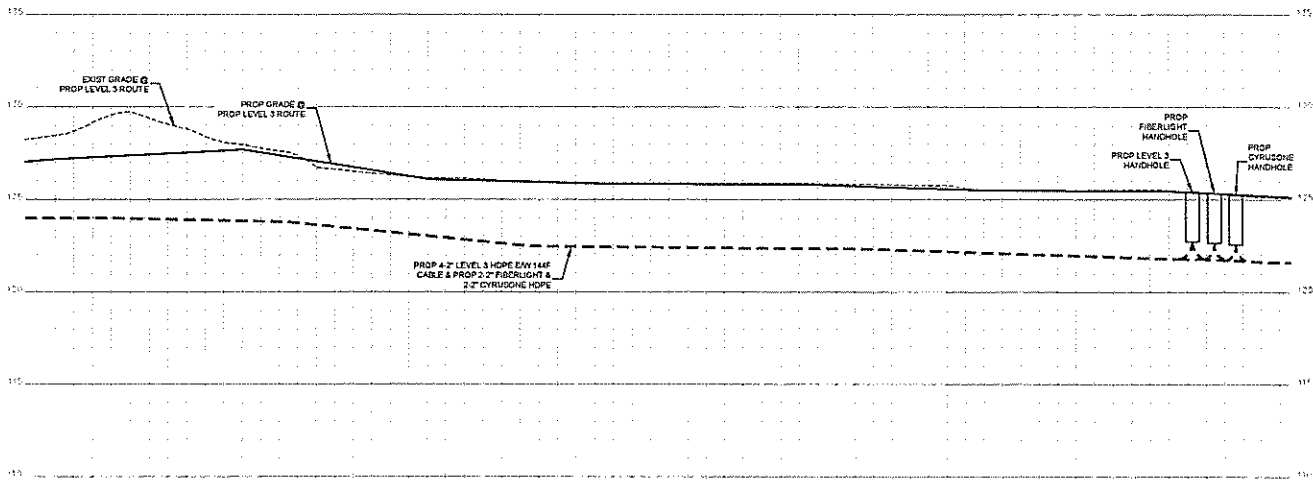
Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT.00150 - CONDUIT 3/4" HDPE SDR-9	FT	630	
MAT.00970 - TIE 15 3/2"x45"x3/8" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT.02000 - WARNING TAGS AND/OR MARKERS	EA	1	

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 CONDUIT IN OPEN TRENCH UP TO 2"	FT	650		
UGB-30100-5. PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COIL)	FT	780		
UGB-31270-5. PLACE NEW: 30x45x350" 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-30100-5. 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

6\"/>

4\"/>

BLACK W/PURPLE STRIPE

BLACK W/ORANGE STRIPE

BLACK W/GREEN STRIPE

BLACK W/BROWN STRIPE

2\"/>

BLACK W/RED STRIPE

BLACK W/BLUE STRIPE

2\"/>

BLACK W/WHITE STRIPE

BLACK W/ GREY STRIPE

1

2

NO DATE ENG DESIGN

3-1-16 REVISION # 1

11-13-18 ORIGINAL

DRAFTING COMMENT

Level(3)

LEVEL 3 ENGINEER

KATH HALL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION FM 1051 WESTPARK

EXTENSION, HOUSTON, TX

DRAWING STAFF

SCALE: VERT 1\"/>

SHEET 7A OF 31

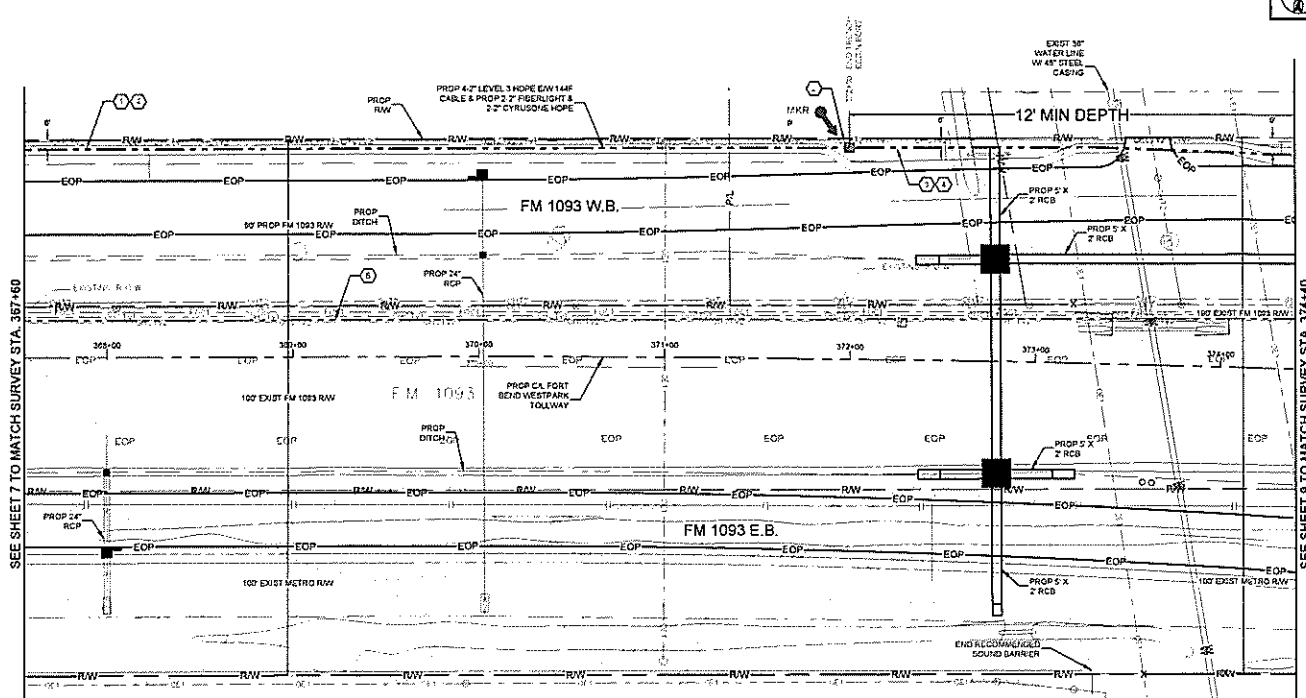
CONFIDENTIAL/PROPRIETARY

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 440'
CONDUIT DIA. 42"
CONDUIT TYPE HOPE
NOTES: TRENCH 8'-2" HOPE
- PROPOSED SDR 9
- CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 288'
CONDUIT DIA. 42"
CONDUIT TYPE HOPE
NOTES: TRENCH 8'-2" HOPE
- CABLE FIBERS: 144F
CABLE OWNER LEVEL 3
CABLE LENGTH 600'
- CABLE FIBERS: 144F
CABLE OWNER LEVEL 3
CABLE LENGTH 600'

NOTES: REMOVE 144F CABLE

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

- 8'-2" HOPE CONFIGURATION
42" LEVEL 3
- BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBER OPTIC
 - BLACK W/ BLUE STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	REVISION
1		AS-BUILT
2-16		REVISION # 1
17-13		ORIGINAL

DRAWING COMMENT

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 Take 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	

Page Take Off - Work Performed

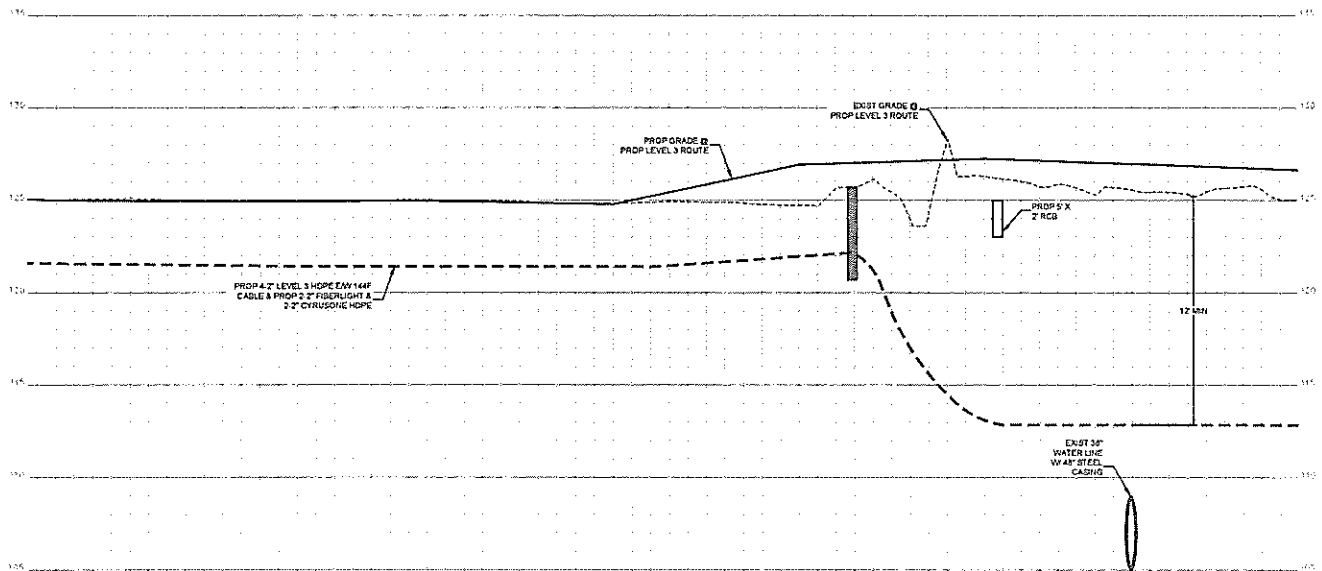
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 42" MINIMUM COVER	FT	440	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	440	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	240	
UGB-30050-S - 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-31050-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
1-800-543-4000
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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NO	DATE	ENG. DESIGN
2-5-18		PROPOSED / 1
11-13-15		ORIGINAL
DRAWING		COMMENT



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 8A OF 31

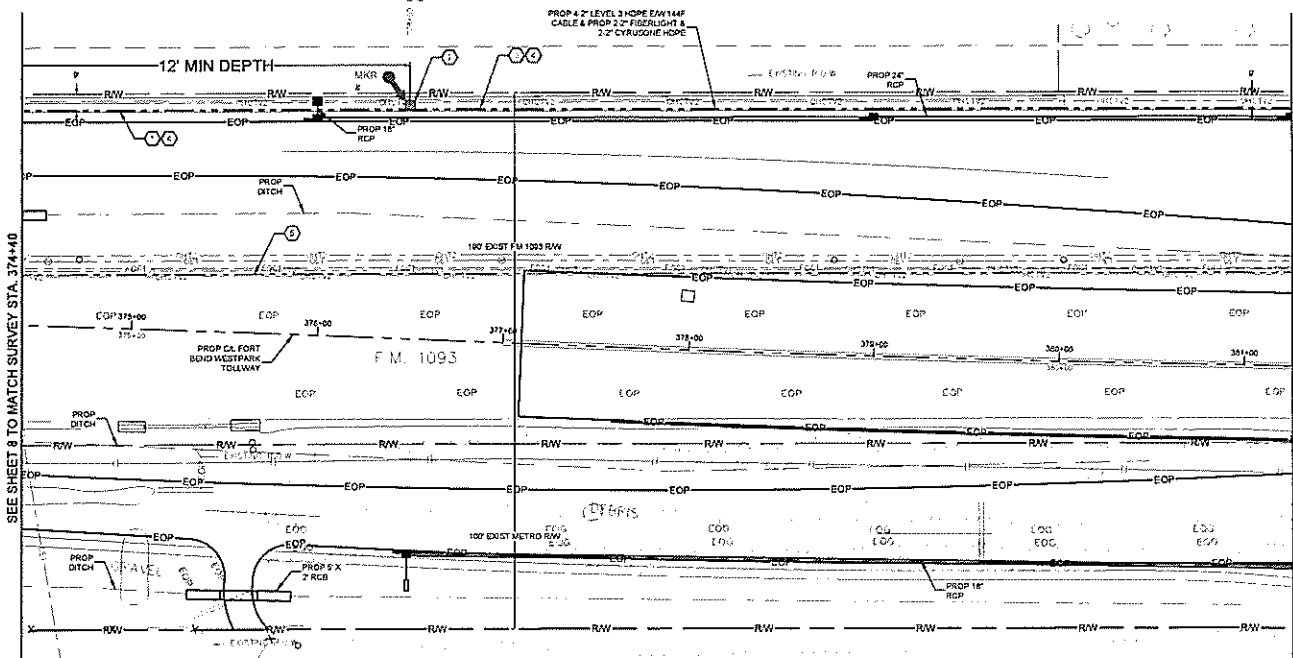
CONFIDENTIAL/PROPRIETARY

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CALL BEFORE YOU DIG
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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

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 LEVEL 3
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

4-1/2" 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
1-800-545-0005
48 HOURS NOTICE REQUIRED

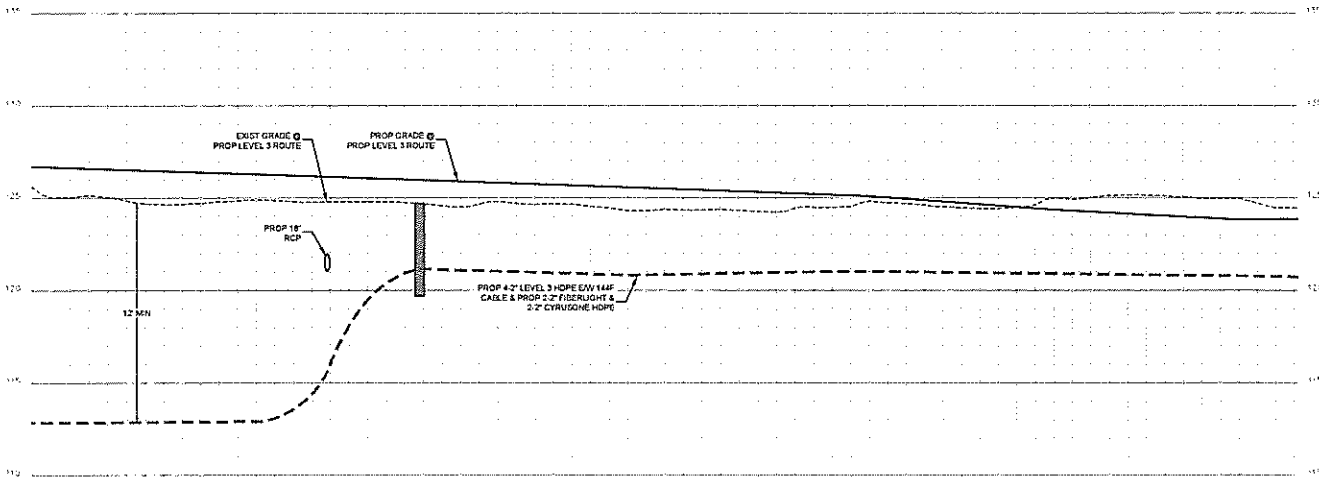
Page Name Off - Work Performed			
Unit Code & Description		Units	Estimated Quantity
UGB-30055-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER		FT	400
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"		FT	400
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"		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\"/>

4\"/>

BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

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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 SPARK

EXTENSION: HOUSTON, TX

DRAWING NAME

SCALE: VERT. 1\"/>

SHEET 9A OF 31

CONFIDENTIAL/PROPRIETARY

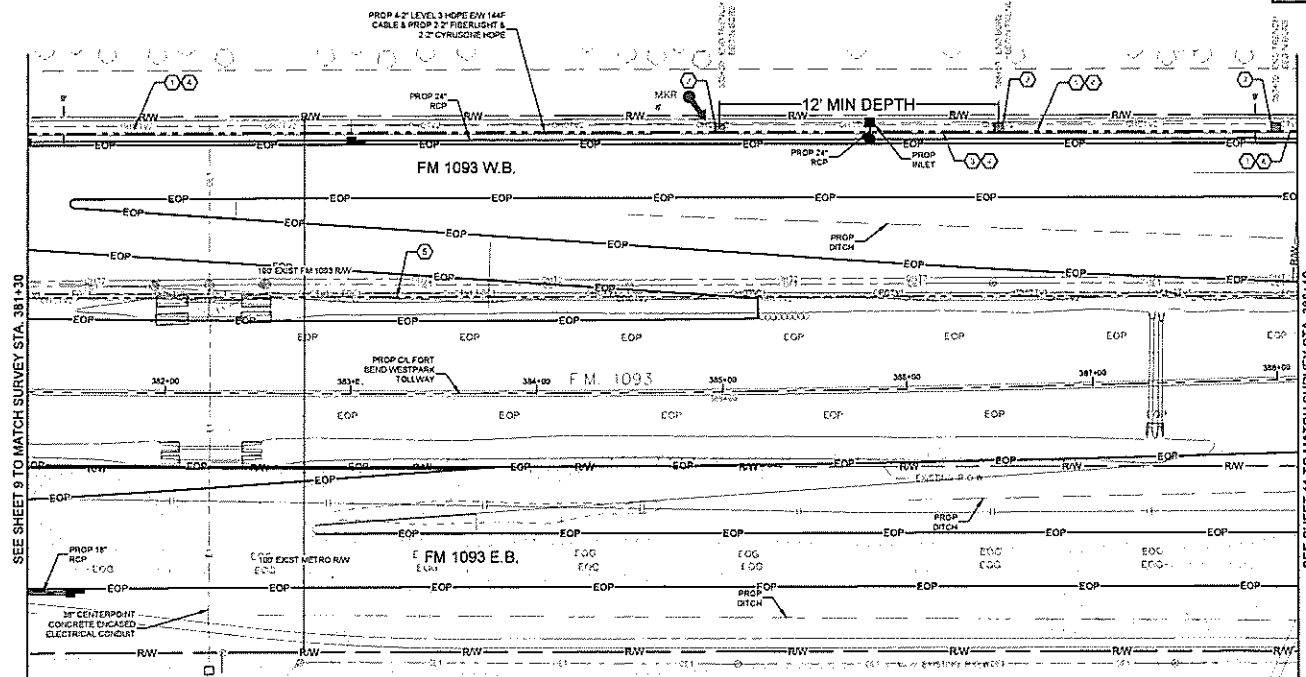
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
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RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND
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CALL BEFORE YOU DIG
1-800-545-6205

48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT UNDER 150'
CONDUIT QTY: 9
CONDUIT TYPE: 8\"/>
- 2. PROPOSED CONDUIT
CONDUIT OWNER LEVELS
CONDUIT UNDER 150'
CONDUIT QTY: 8
CONDUIT SIZE: 8\"/>
- 3. CABLE PILES: 144'
CABLE OWNER LEVELS
CABLE LENGTH: 500'
NOTE: REMOVE 144' CABLE
- 4. CABLE PILES: 144'
CABLE OWNER LEVELS
CABLE LENGTH: 500'
NOTE: REMOVE 144' CABLE

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

8\"/>

- 4\"/>
 - BLACK W/ PURPLE STRIPE
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NO.	DATE	BY	REVISION
1	11-13-18	ORIGINAL	AS-BUILT

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\"/>

Page Range Of - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-20150 - CONDUIT 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Range Of - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-32255-S. TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	526	
UGB-32145-S. PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	EA	526	
UGB-32255-S. DIRECTIONAL BORE GREATER THAN 1500' 1" HOPE CONDUIT UP TO 2"	EA	160	
UGB-32255-S. PLACE UP TO 283 CONDUIT FOC IN CONDUIT. UP TO 1500'	FT	680	
UGB-31645-S. EXCAVATE SMALL PIT 6'X4'X3'	EA	3	
UGB-31955-S. REMOVE AND DISPOSE OF 1-144' CABLE	FT	680	
UGB-31810-S. PLACE LOCATE MARKER POST	EA	1	
UGB-32151-S. PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,640	
UGB-32170-S. DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,120	

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

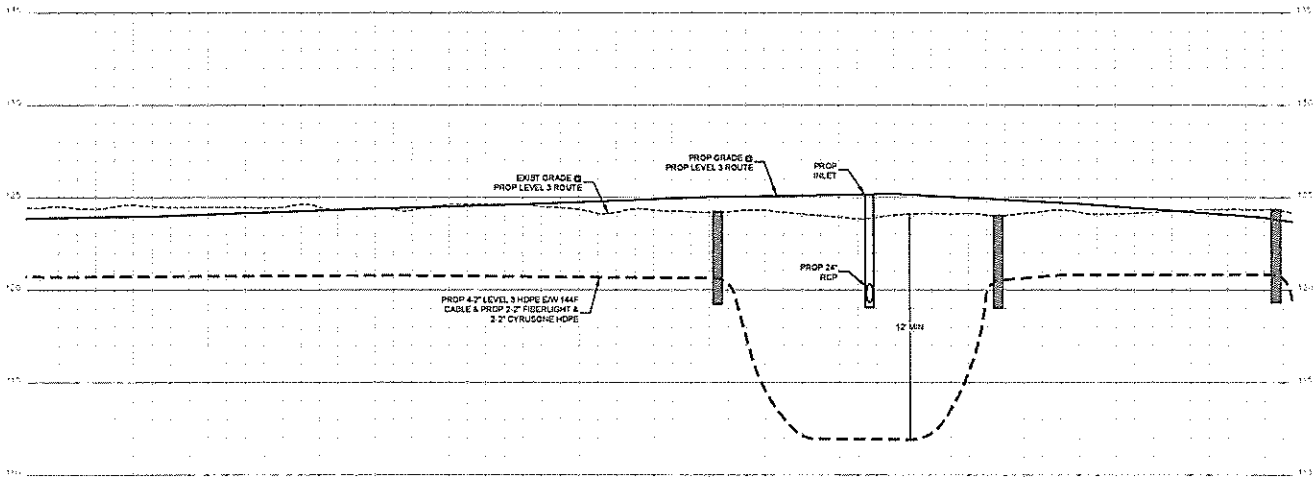


CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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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
1-800-545-6005
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

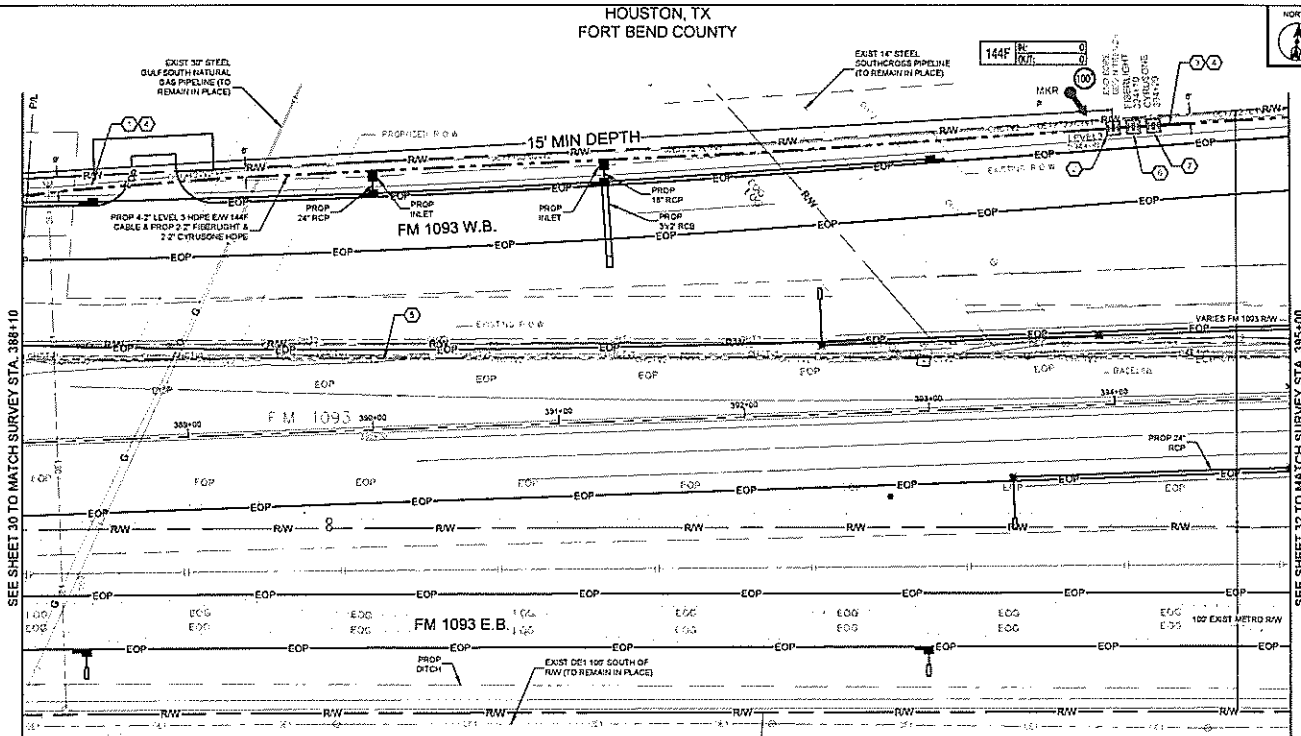
DRAWING NAME

SCALE: VERT 1\"/>

SHEET 10A OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- CONDUIT OVER LEVEL
CONDUIT LENGTH 500'
CONDUIT SIZE 2"
CONDUIT TYPE HDPE
NOTE: SEE 8-2" HOPE
- LEVEL SHIELD
CONDUIT LENGTH 100'
CONDUIT SIZE 2"
CONDUIT TYPE HDPE
NOTE: TYPICAL 8-2" HOPE
- CABLE TRENCH 144"
CABLE OVER LEVEL
CABLE LENGTH 100'
NOTE: SEE 8-2" HOPE
- CABLE TRENCH 144"
CABLE OVER LEVEL
CABLE LENGTH 100'
NOTE: SEE 8-2" HOPE
- CABLE TRENCH 144"
CABLE OVER LEVEL
CABLE LENGTH 100'
NOTE: SEE 8-2" HOPE
- CONDUIT OVER LEVEL
CONDUIT LENGTH 100'
CONDUIT SIZE 2"
CONDUIT TYPE HDPE
NOTE: TYPICAL 8-2" HOPE

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS 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
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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Level(3)
ENGINEERING FIRM
CONSTRUCTION SERVICES

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

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

Page Break Off - Materials			
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	

Page Break Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	100	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	100	
UGB-30020-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	500	
UGB-30050-S - PLACE UP TO 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 1-144" 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	

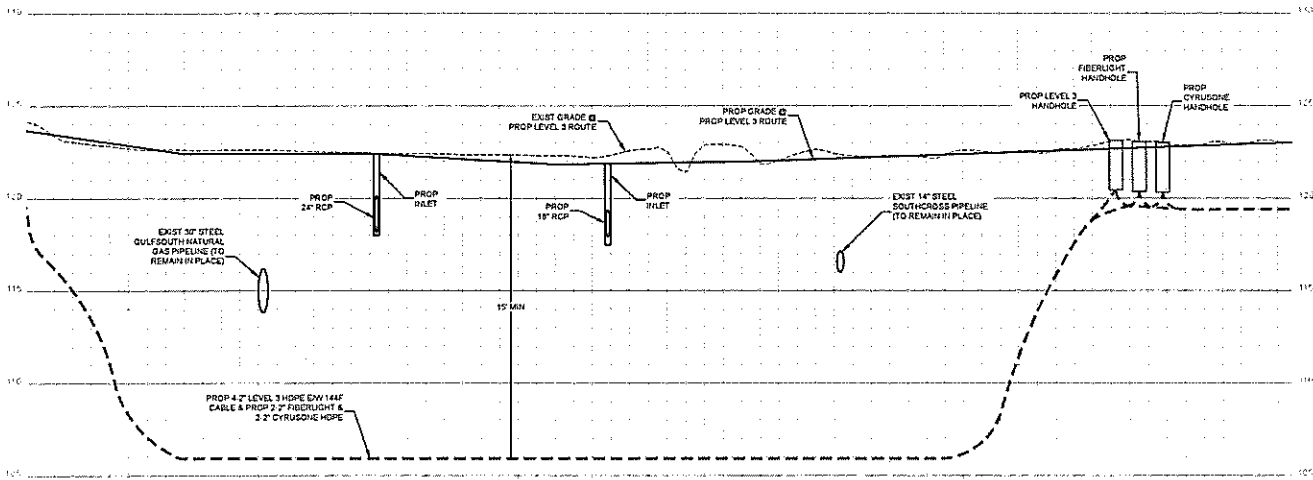
CALL BEFORE YOU DIG
1-800-545-6000
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

6\"/>

4\"/>

BLACK W/ PURPLE STRIPE

BLACK W/ ORANGE STRIPE

BLACK W/ GREEN STRIPE

BLACK W/ BROWN STRIPE

2\"/>

BLACK W/ RED STRIPE

BLACK W/ BLUE STRIPE

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BLACK W/ WHITE STRIPE

BLACK W/ GREY STRIPE

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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 NUMBER

SCALE VERT 1\"/>

SHEET 11A OF 31

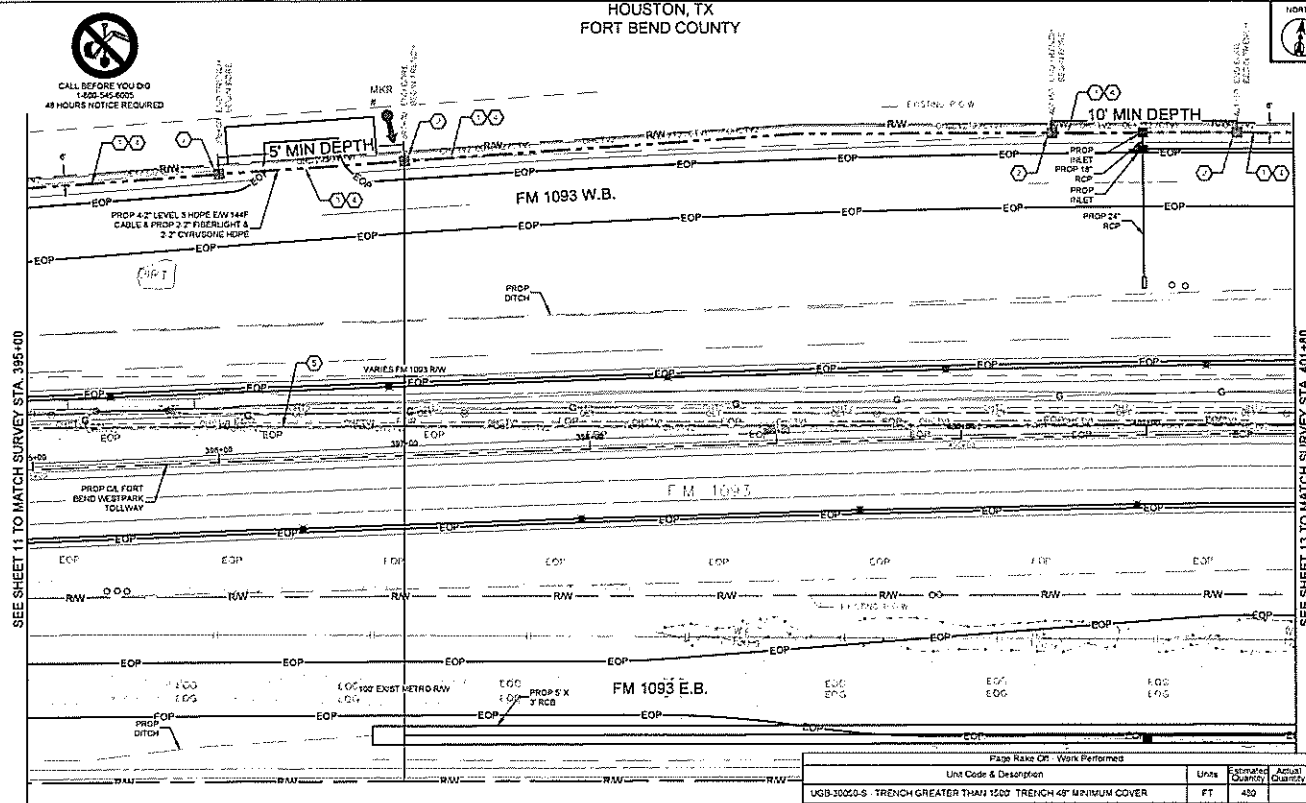
CONFIDENTIAL/PROPRIETARY

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



CALL BEFORE YOU DIG
1-800-545-4000
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

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Level(3)
LEVEL 3 ENGINEER
10000 FIELD SERVICES
ENGINEERING FIRM
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION: HOUSTON, TX
DRAWING DATE
SCALE: HOR. 1"=40'
SHEET: 12 OF 31
CONFIDENTIAL/PROPRIETARY

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	

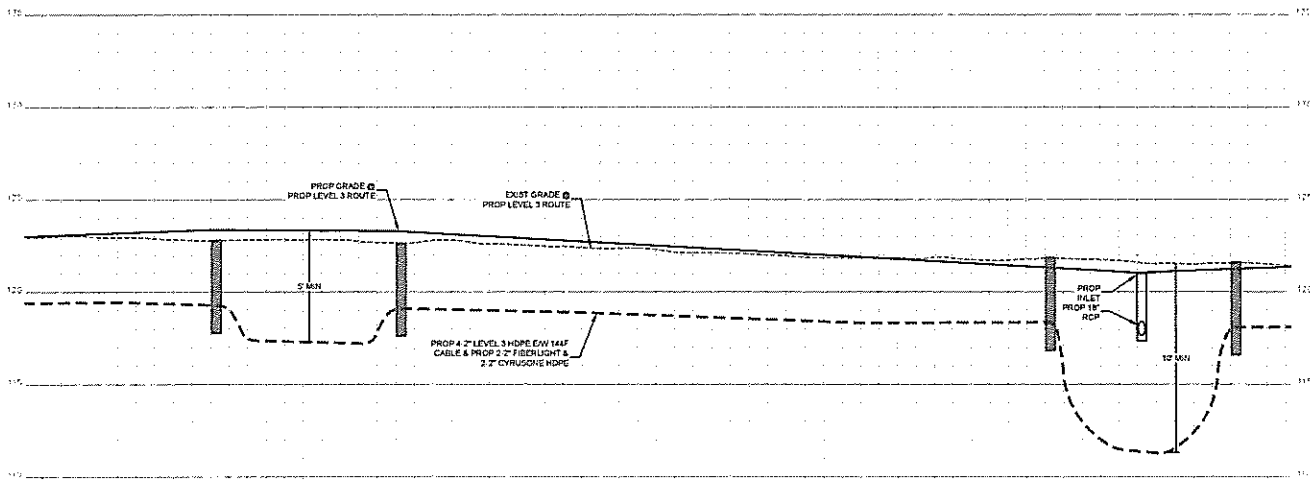
Page Rate CR - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	450	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	450	
UGB-30090-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	200	
UGB-30050-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	550	
UGB-31040-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.

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
FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S
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CALL BEFORE YOU DIG
1-800-543-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



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



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

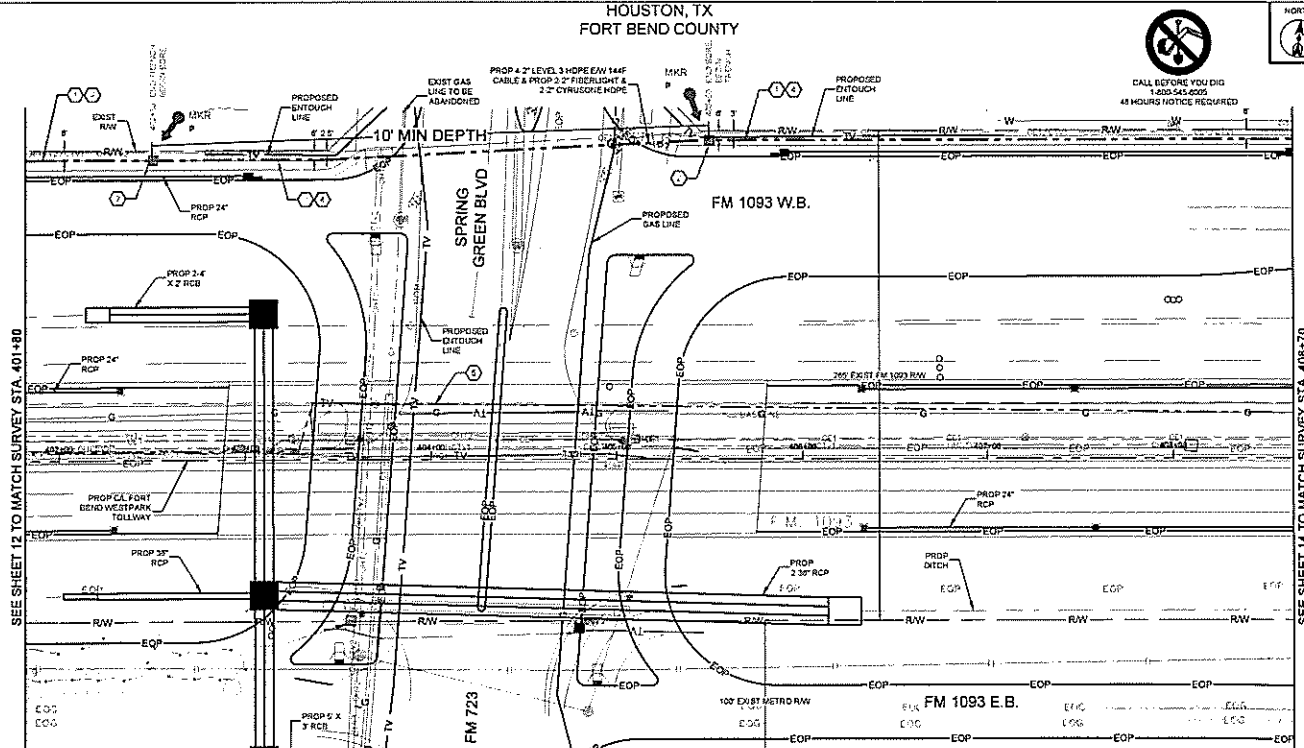
- 8" HOPE CONFIGURATION
- 4" (LEVELS)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLASS
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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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



SEE SHEET 12 TO MATCH SURVEY STA. 401+80

SEE SHEET 14 TO MATCH SURVEY STA. 408+70

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

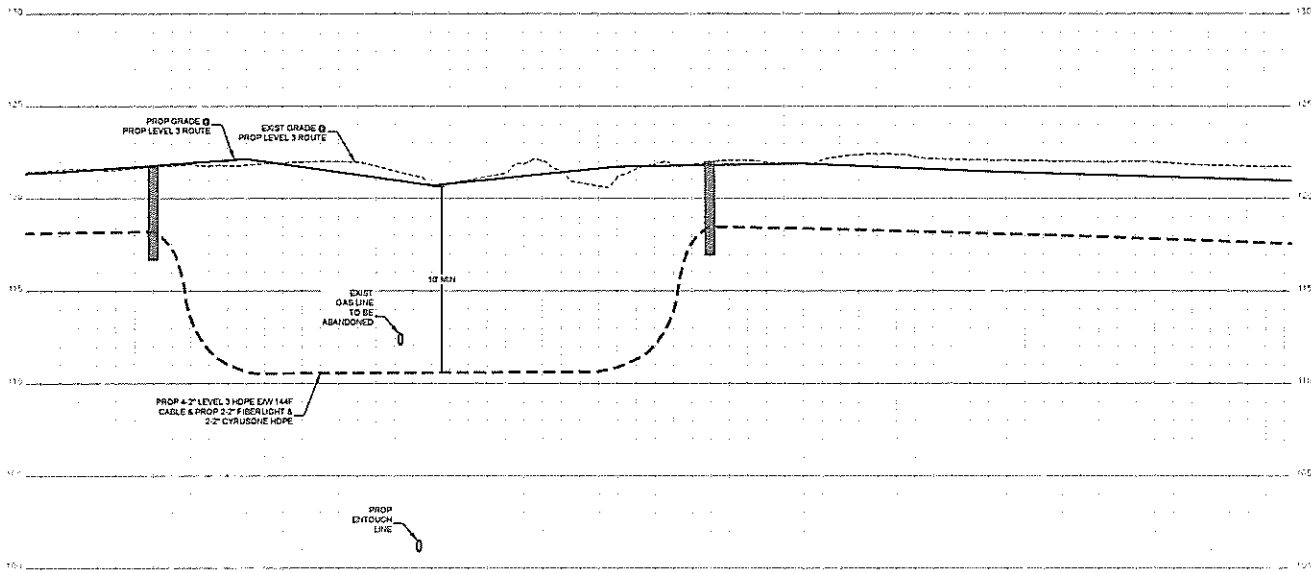
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-32050-S - TRENCH GREATER THAN 1500' TRENCH 48" MAXIMUM COVER	FT	450	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	400	
UGB-30030-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	200	
UGB-30050-S - 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

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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

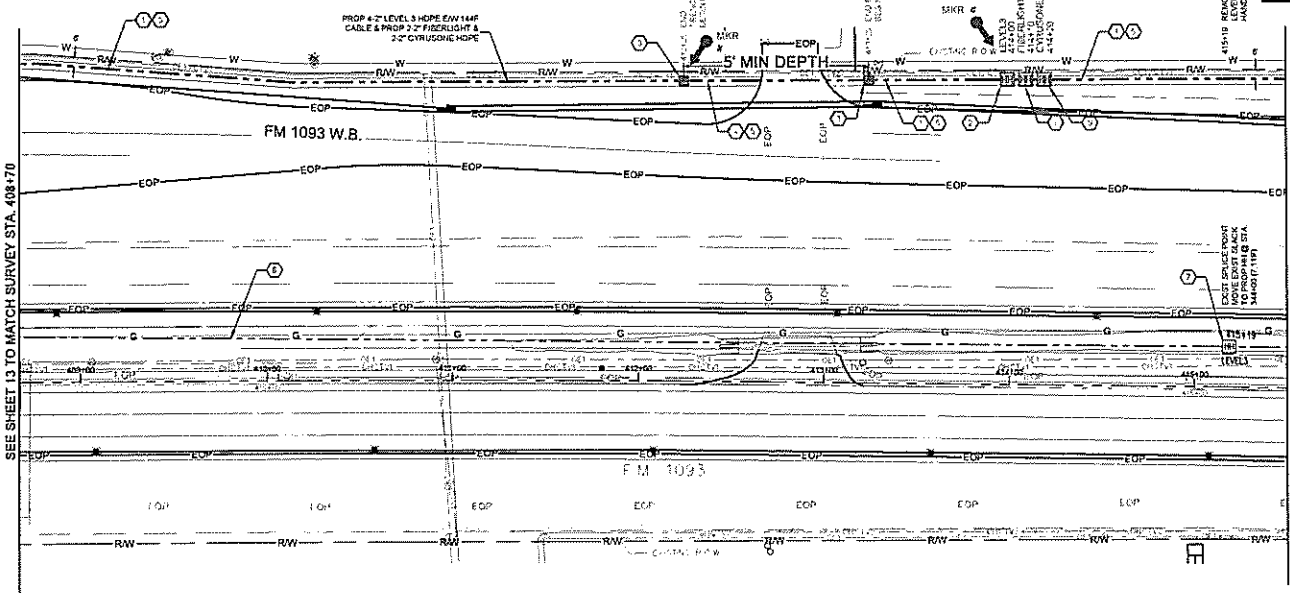
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CALL BEFORE YOU DIG
1-800-545-6205
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY

144F
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CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
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CONTRACTOR NOTE

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

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Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8" 2" HOPE EDR 8	FT	550	
MAT-00570 - TIER 15 30"x48"x30" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-92000 - 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	550	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	550	
UGB-30030-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	100	
UGB-30050-S - PLACE UP TO 288 COUNT FCC IN CONDUIT UP TO 1500' (100' IN COIL)	FT	750	
UGB-31570-S - PLACE NEW - 30"x48"x30" - NON-CONCRETE HANDHOLE	EA	3	
UGB-31540-S - EXCAVATE SMALL PIT 6'x4'x5'	EA	2	
UGB-31000-S - REMOVE AND DISPOSE OF 1" 144F CABLE	FT	650	
UGB-31250-S - REMOVE EXISTING - 30"x48"x30" - NON-CONCRETE HANDHOLE	EA	1	
UGB-31500-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,000	
UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	700	

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

Level(3)
CONSTRUCTION

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
CONSULTING SERVICES

PROJECT NUMBER

LOCATION FM 1093 WESTFARM
EASTHOUS, HOUSTON, TX

DRAWING NAME

SCALE: HON 1"=50'

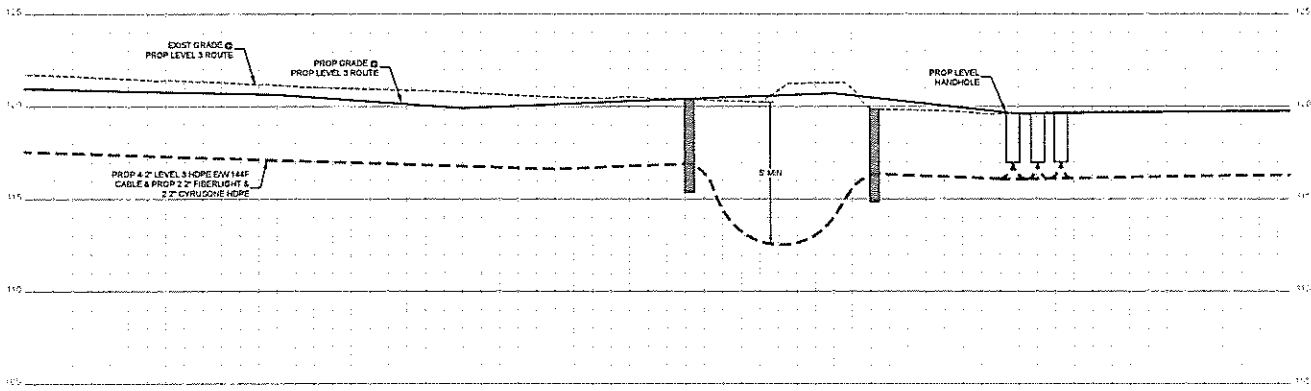
SHEET 14 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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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/ WHITE STRIPE

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NO DATE ENG. DESIGN

2-25-18 REVISION # 1

11-13-18 ORIGINAL

DATE COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

CONDEN FIELD SERVICES

PROJECT NUMBER

LOCATION FM 1093 WESTPARK

EXTENSION, HOUSTON, TX

DRAWING NAME

SCALE VERT 1\"/>

SHEET 14A OF 31

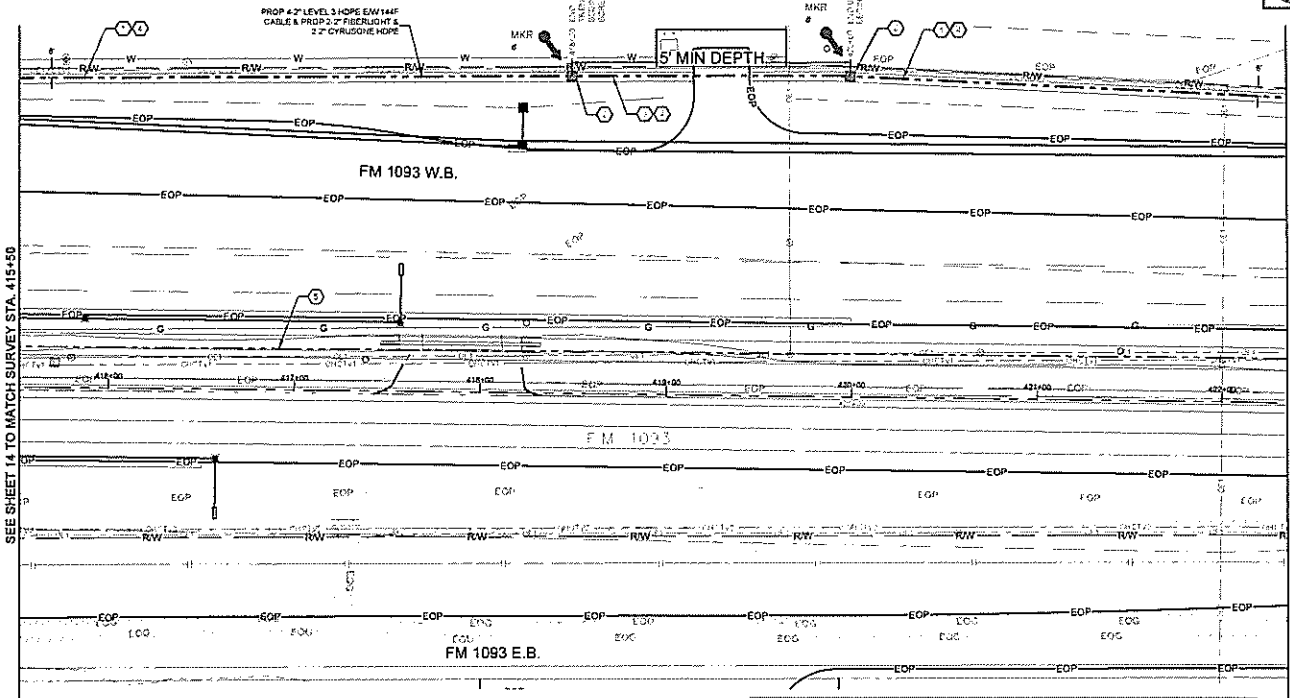
CONFIDENTIAL/PROPRIETARY

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

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

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

- 6'-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)
ENGINEERING FIRM
CONSULTING 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
1-800-545-6000
48 HOURS NOTICE REQUIRED

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

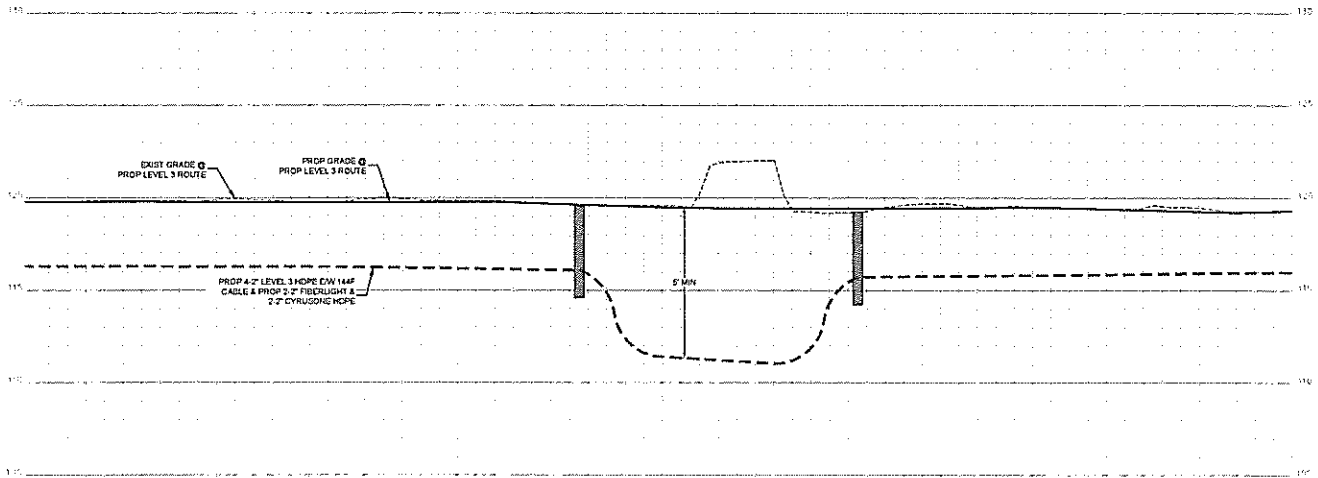
Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8'-2" HOPE SDR-9	FT	650	
MAT-82020 - WARNING TAGS AND/OR MARKERS	EA	2	

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

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
2-3-18	AS-BUILT
11-13-13	REVISION # 1
DRAWING	COMMENT

Level(3)
ENGINEERING FIRM

LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
500 5TH FIELDS SERVICE
PROJECT NUMBER
LOCATION # N 1003 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NAME

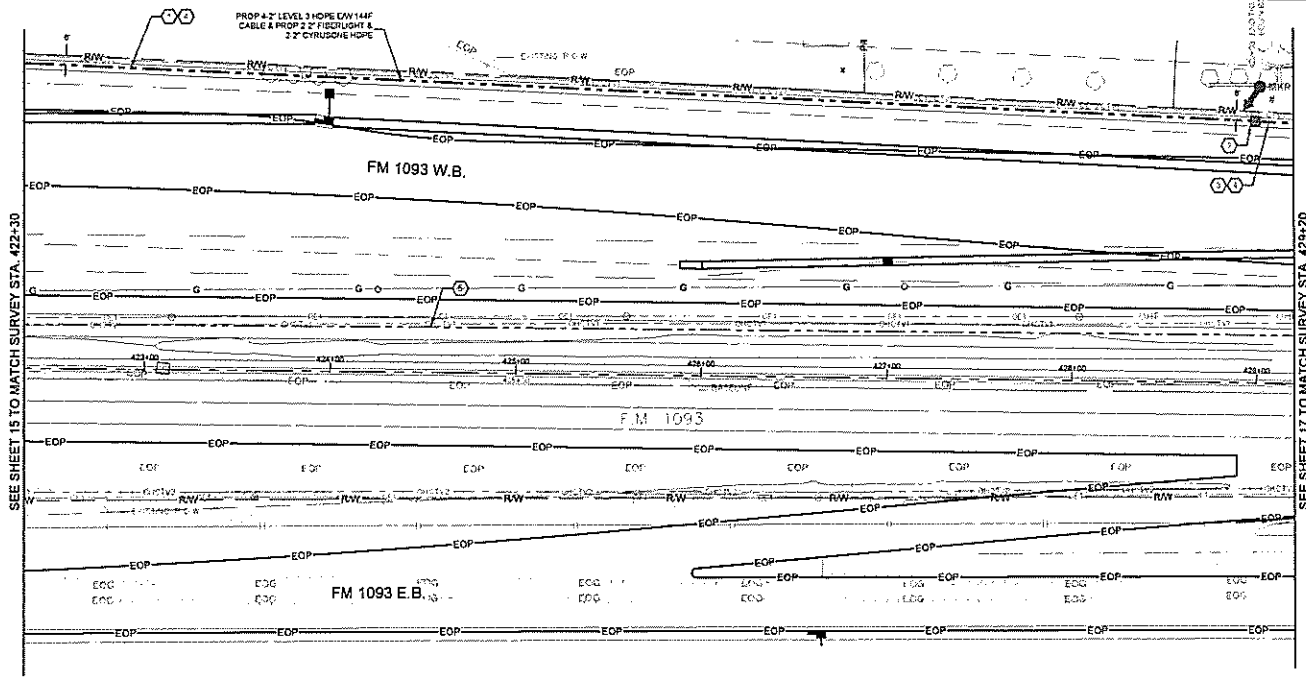
SCALE: VERT 1"=5'
SHEET 15A OF 31
CONFIDENTIAL/PROPRIETARY

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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
1-800-545-8005
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 TYPE HOPE
NOTES: TRENCH 8-2" HOPE
PROPOSED BOXES
 - CONDUIT OWNER LEVELS
CONDUIT LENGTH 20'
CONDUIT STD. 8"
CONDUIT TYPE HOPE
CONDUIT TYPE HOPE
NOTES: HOPE 8-2" HOPE
 - CABLE PILES: 144F
CABLE OWNER LEVELS
CABLE LENGTH 650'
 - CABLE PILES: 144F
CABLE OWNER LEVELS
CABLE LENGTH 650'

- 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
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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'

SHEET 16 OF 31

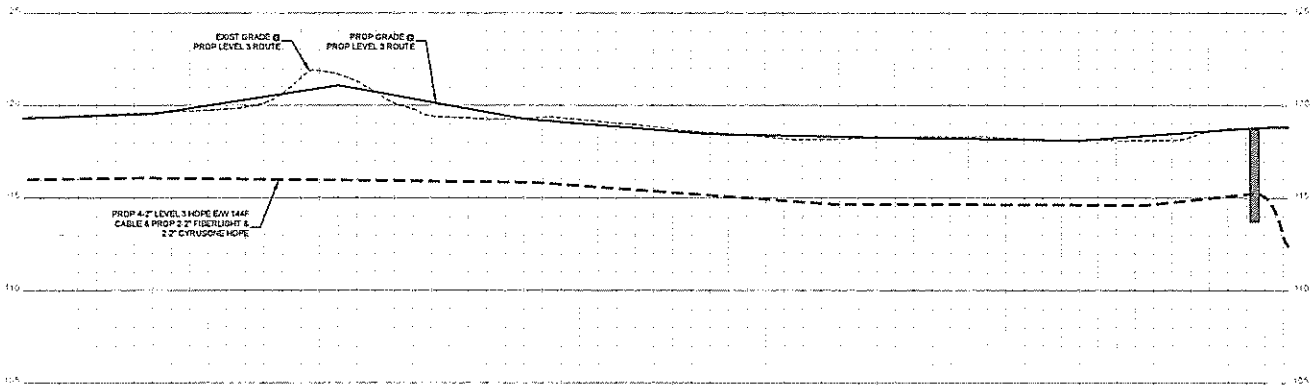
CONFIDENTIAL/PROPRIETARY

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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



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

Level(3)

LEVEL 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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 330'
CONDUIT CTY. B
CONDUIT SIZE 8"
CONDUIT TYPE HOPE
NOTES: BORE 8-1/2" HOPE
TRENCH 8-1/2" HOPE
2. TRENCH 8-1/2" HOPE
3. CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 360'
CONDUIT CTY. B
CONDUIT SIZE 8"
CONDUIT TYPE HOPE
NOTES: BORE 8-1/2" HOPE
TRENCH 8-1/2" HOPE
4. CABLE PEGS: 144"
CABLE OWNER LEVEL 3
CABLE LENGTH 360'
5. CABLE PEGS: 144"
CABLE OWNER LEVEL 3
CABLE LENGTH 360'

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

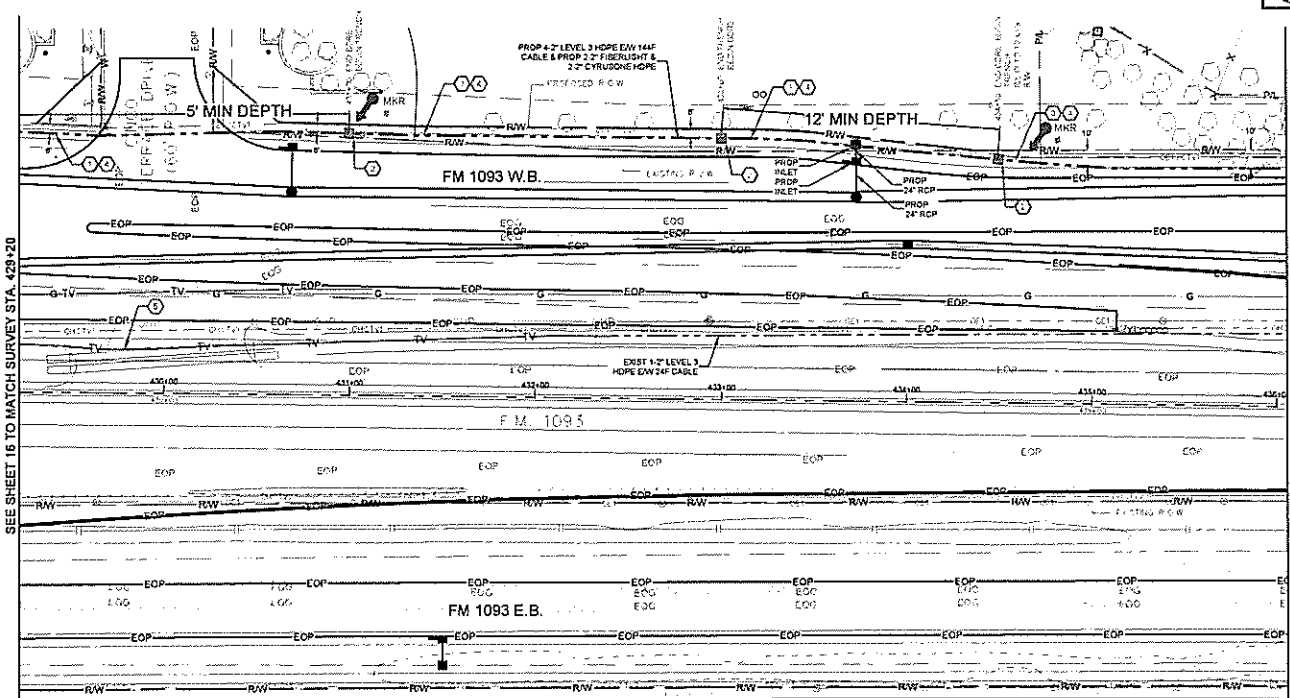
- 8-1/2" HOPE CONFIGURATION
- 4-1/2" LEVEL 3
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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Level(3)
LEVEL ENGINEER
KEITH HALL

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

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



SEE SHEET 16 TO MATCH SURVEY STA. 429+20

SEE SHEET 18 TO MATCH SURVEY STA. 438+10



CALL BEFORE YOU DIG
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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.

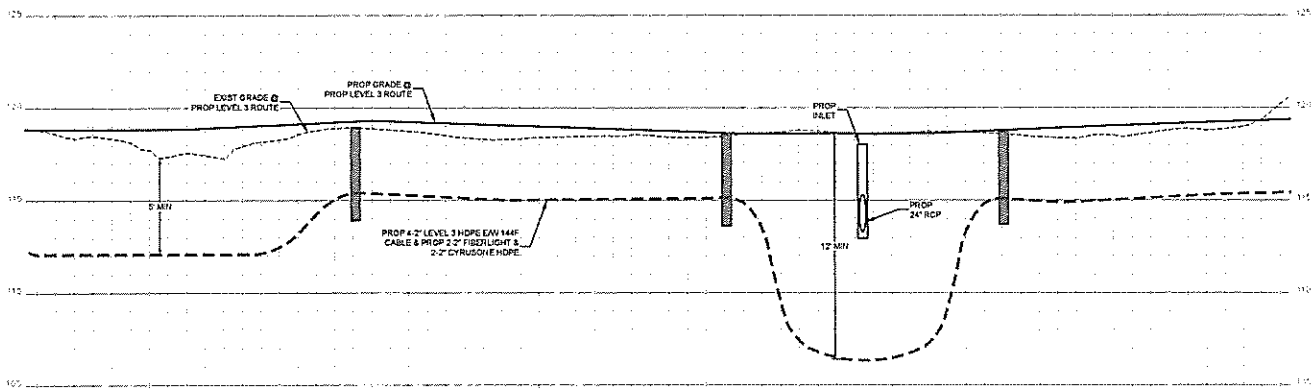
Page Have Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-50150 - CONDUIT 8-1/2" HOPE SDR-9	FT	650	
MAT-02020 - WARNING TADS AND/OR MARKERS	EA	2	

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 1-144F 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/ ORANGE STRIPE

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NO DATE ENG DESIGN

2-2-18 AS-BUILT

11-13-15 REVISION # 1

00/0/00 ORIGINAL

00/0/00 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

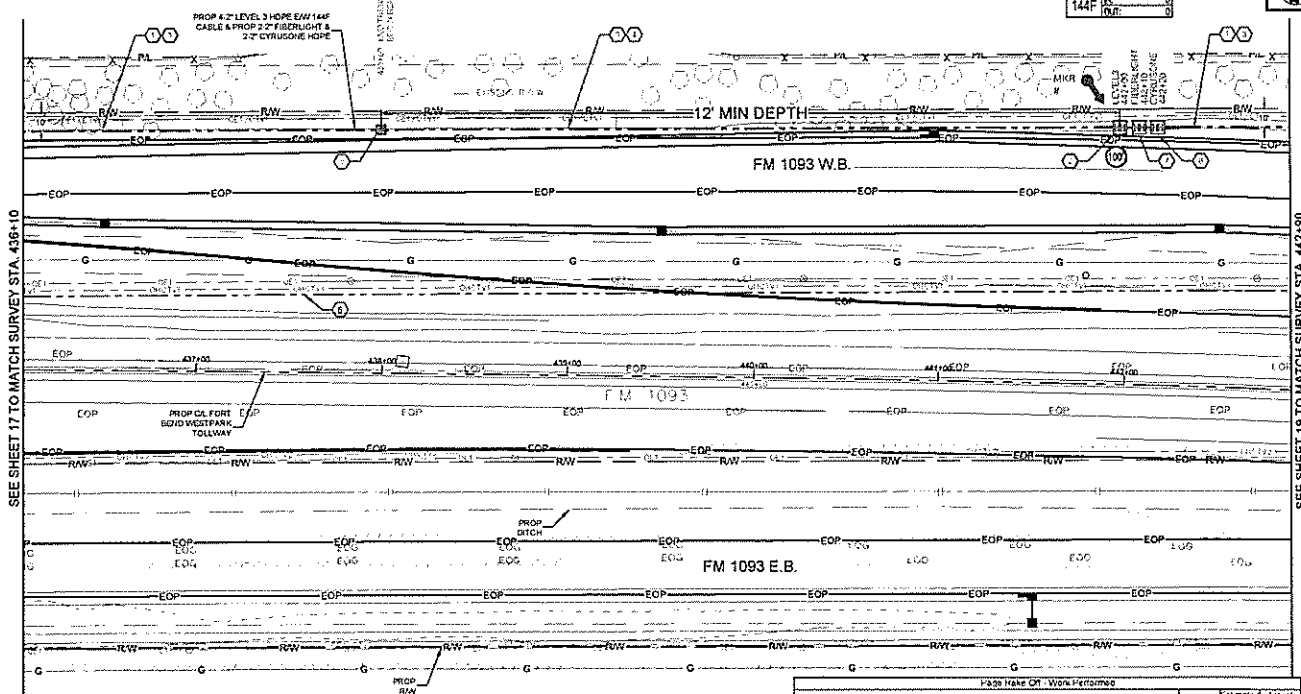
CDG 000126/CDG PROPRIETARY

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1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT UNITS: 200'
CONDUIT CTS: 6
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTE: BENCH 8-2" HOPE
2. UTILITY INVOICES
CCL 1007 1-144F N 101
3. CABLE FIBERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH: 700'
CABLE CTS: 100'
CABLE SIZE: 2"
CABLE TYPE: HDPE
NOTE: BENCH 8-2" HOPE
4. CONDUIT OWNER LEVELS
CONDUIT UNITS: 400'
CONDUIT CTS: 6
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTE: BENCH 8-2" HOPE
5. PROPOSED BOREPIT
6. CABLE FIBERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH: 700'
CABLE CTS: 100'
CABLE SIZE: 2"
CABLE TYPE: HDPE
NOTE: BENCH 8-2" HOPE
7. FIBERLIGHT VEHICLE
8. 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" FIBERLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2-2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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Level 3

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

SCALE: HOR 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	700	
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	600	
UGB-31800-S - PLACE LOCATE MARKER POST	EA	1	
UGB-32150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,950	
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.

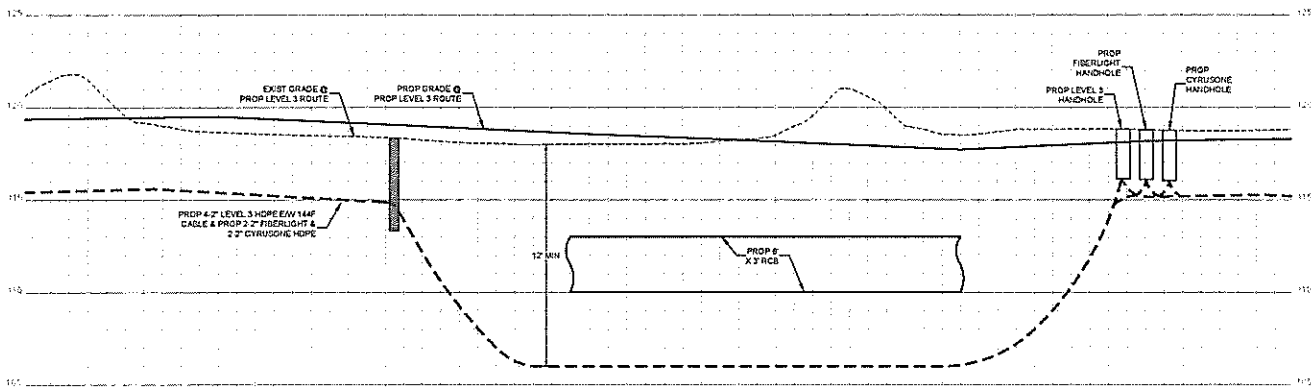


CALL BEFORE YOU DIG
1-800-545-6000
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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"=3'
SHEET 18A OF 31
CONTRACTOR: M. J. REED & SONS

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

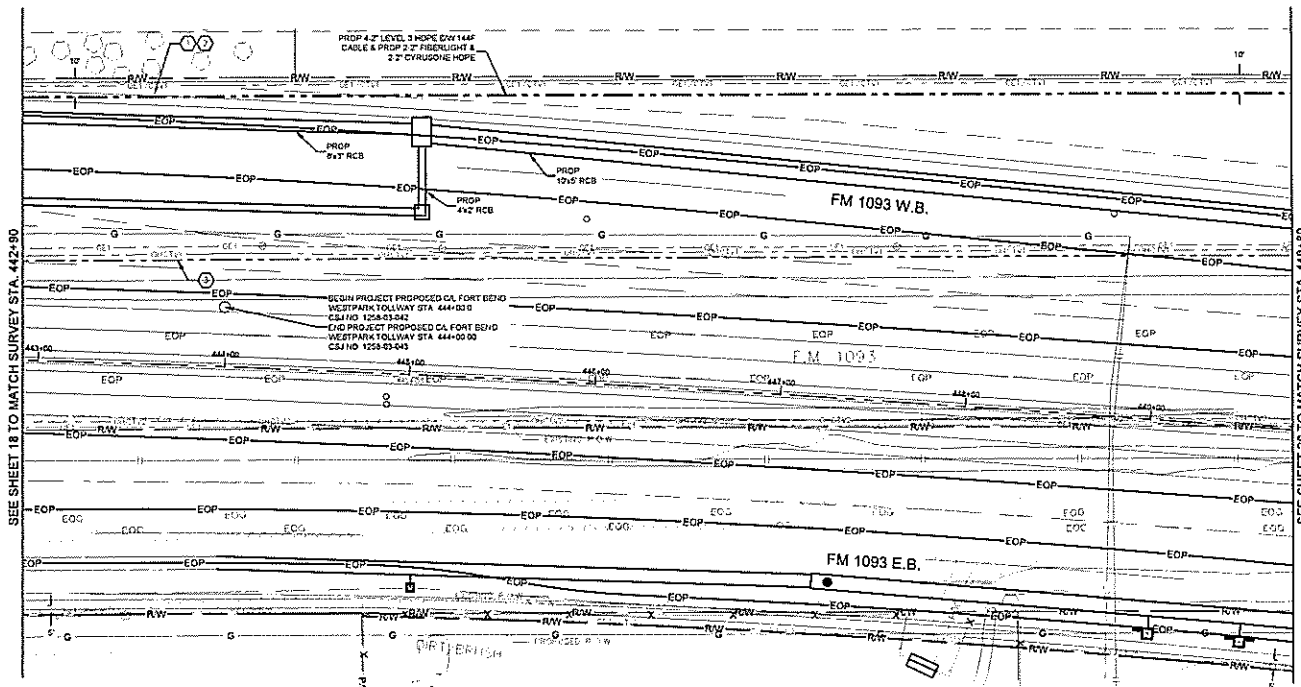
- 8-2" HOPE CONFIGURATION
- 4-2" (LEVELS)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2-2" FIBERGLASS
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2-2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	ENG. DESIGN
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11-13-18		REVISION / 1
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: HORIZ. 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	

Page Make Off - Work Performed			
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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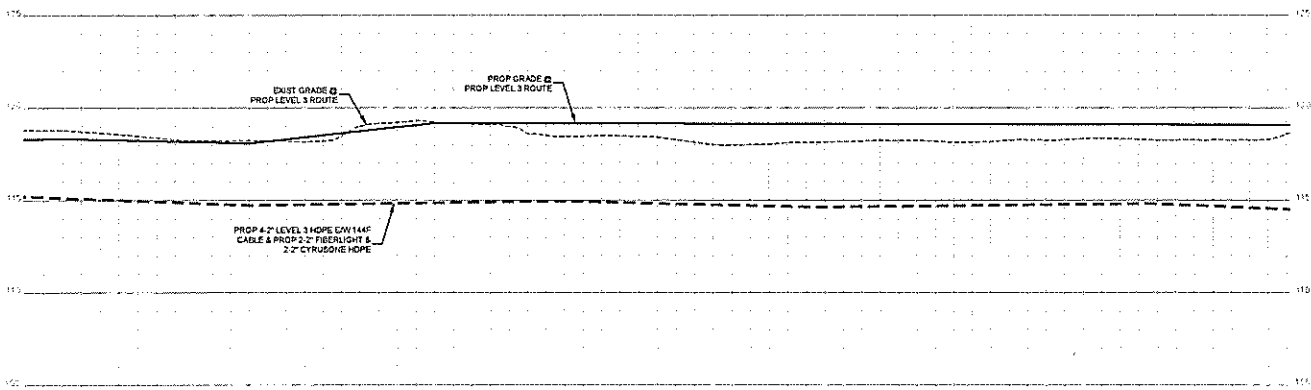


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1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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☐ BLACK W/ PURPLE STRIPE

☐ BLACK W/ ORANGE STRIPE

☐ BLACK W/ GREEN STRIPE

☐ BLACK W/ BROWN STRIPE

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NO DATE ENG DESIGN

2-2-18 AS-BUILT

11-13-18 ORIGINAL

DATE COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH MILL

ENGINEERING FIRM

GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1013 WEST PARK

EXTENSION: HOUSTON, TX

DRAWING NAME

SCALE: VERT 1\"/>

SHEET 10A OF 31

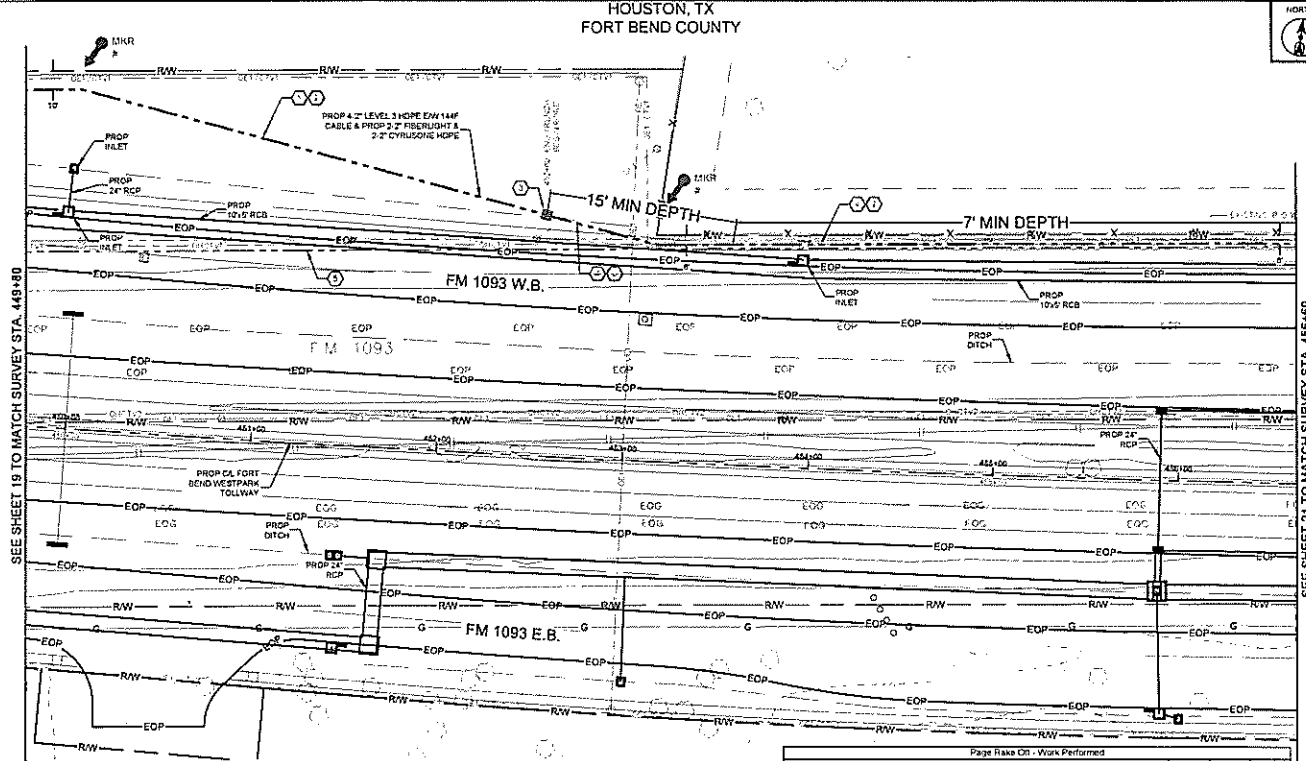
CONFIDENTIAL/PROPRIETARY

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CALL BEFORE YOU DIG
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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT LENGTH 320'
CONDUIT SIZE 6"
CONDUIT TYPE HDPE
NOTES: REMOVE 8'-2" HOPE
2. CABLE PRODS 144F
CABLE OWNER LEVELS
CABLE LENGTH 687'
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 687'

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

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

NO.	DATE	END SHEET
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11-15-19	ORIGINAL	
DRAWING	DATE	REVISION

Level(3)

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

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

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-20150 - CONDUIT 6" HOPE SDR 9	FT	687	
MAT-20220 - WARNING TAGS AND/OR MARKERS	EA	2	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-32055-S - TRENCH GREATER THAN 1500' TRENCH 45" MINIMUM COVER	FT	320	
UGB-30145-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	320	
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	620	
UGB-31545-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	1	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	2	
UGB-32150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1950	
UGB-32700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2500	

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CALL BEFORE YOU DIG
1-800-4-A-DIG
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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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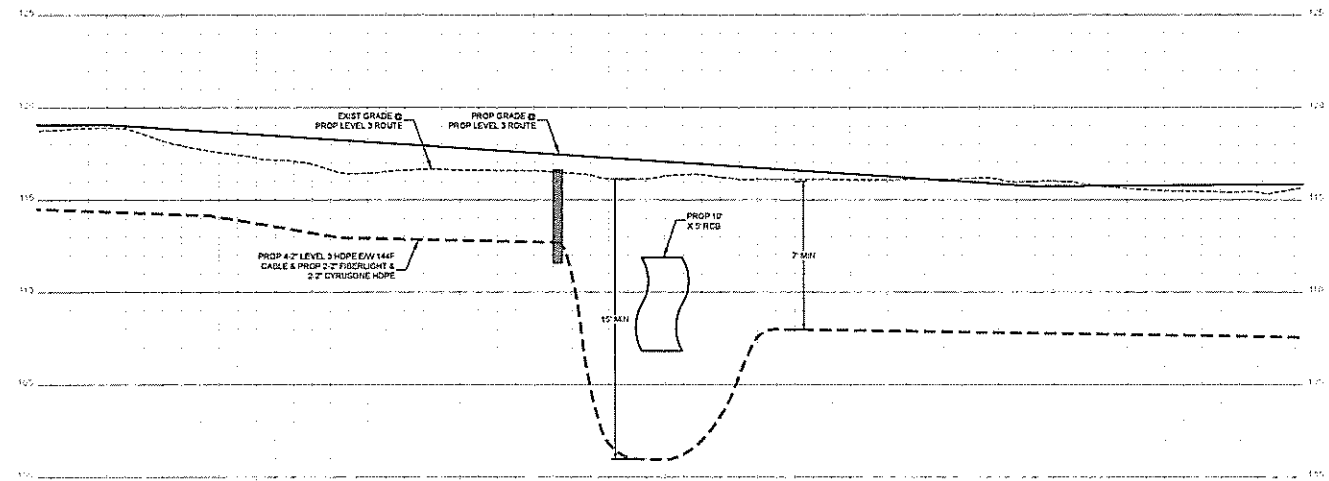
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CALL BEFORE YOU DIG
1-800-545-6205
48 HOURS NOTICE REQUIRED

Level(3)
ENGINEERS

LEVEL 3 ENGINEER

KETH HALL

ENGINEERING FIRM

10000 FIELD SERVICES

PROJECT NUMBER

LOCATION 10000 WESTPARK

EXTENSION HOUSTON, TX

DRAWN BY NAME

SCALE: VERT. 1"=5'

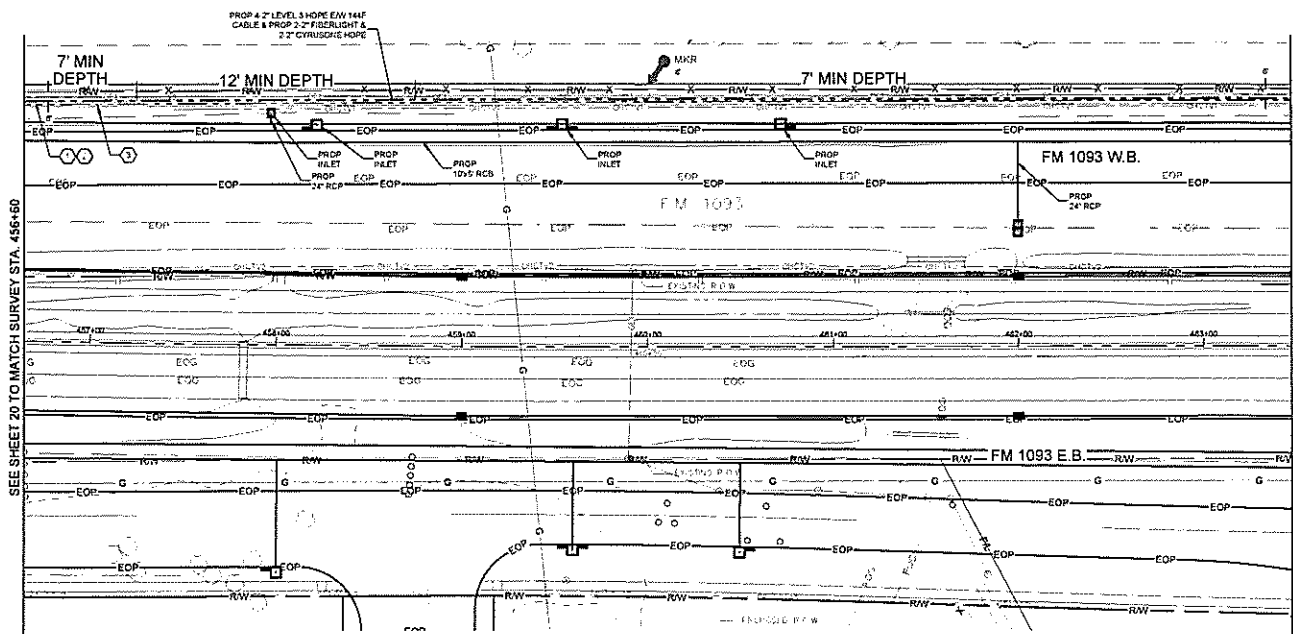
SHEET 20A OF 31

CONFIDENTIAL/PROPRIETARY

⑥ CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 690'
CONDUIT GTP: 6
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE: 6-2" HOPE

⑦ CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'

⑧ CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE



SEE SHEET 20 TO MATCH SURVEY STA. 456+60

SEE SHEET 22 TO MATCH SURVEY STA 463+50



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

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Page Name Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-2" HDPE SDR-9	FT	650	
MAT-90000 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Name Off - Work Performed				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOLE CONDUIT UP TO 2"	FT	650		
UGB-30050-S - PLACE UP TO 285 COUNT FOC IN CONDUIT, UP TO 1500'	FT	650		
UGB-31000-S - REMOVE AND DISPOSE OF 1 1/4" CABLE	FT	650		
UGB-31050-S - PLACE LOCATE MARKER POST	EA	1		
UGB-30070-S - DIR BORE GREATER THAN 1500' additional CONDUIT UP TO 2"	FT	4,830		

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

B-7 HOPE CONFIGURATION

4.2 LEVEL(3)

☐ BLACK W/ ORANGE STRIPE

☐ BLACK W/ GREEN STRIPE
☐ BLACK W/ BROWN STRIPE

2-1 FIBERLIGHT

☐ BLACK W/ RED STRIPE

7.2 GYNSOME

☐ BLACK W/WHITE STRIPE

☐ BLACK W/ GREY STRIPE

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NO	DATE	ENG DESIGN
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2-2-18	AD-BULY
	REVISION 9

1-13-18	ORIGINAL
DRAFTING	CONSENT

Level (3):

LEVEL 3
COURTESY OF THE U.S. AIR FORCE

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
GOLDEN FIELD SERVICES

PROJECT NUMBER
LOCATION: FM 1003 WESTPARK

EXTENSION - HOUSTON, TX
CHANNING STAGE

[illegible]

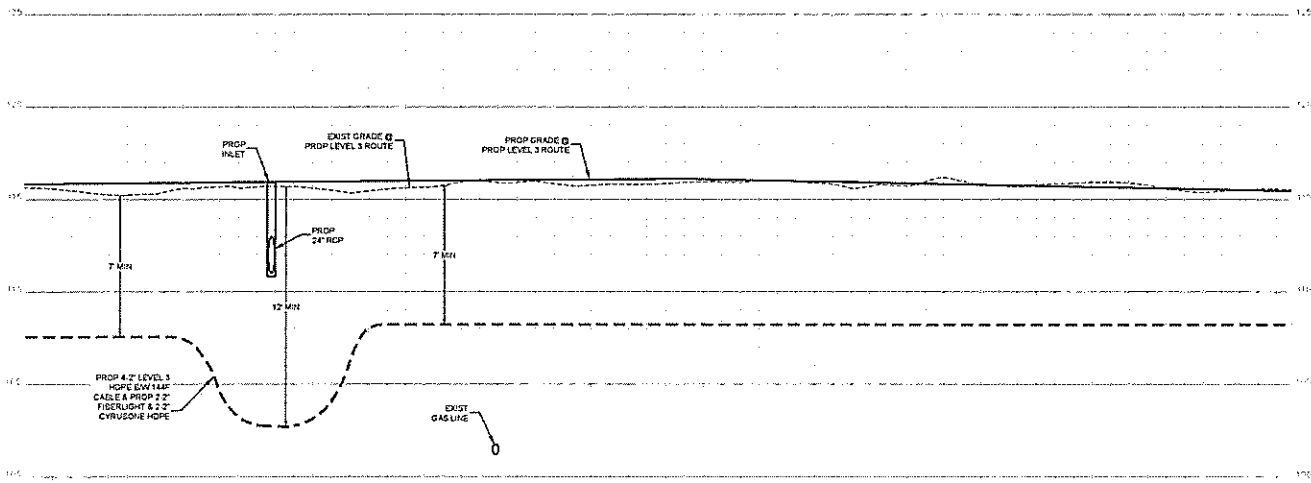
SHEET 21 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

6-2\"/>

4-2\"/>

☐ BLACK W/ PURPLE STRIPE

☐ BLACK W/ ORANGE STRIPE

☐ BLACK W/ GREEN STRIPE

☐ BLACK W/ BROWN STRIPE

☐ 2\"/>

☐ BLACK W/ RED STRIPE

☐ BLACK W/ BLUE STRIPE

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☐ BLACK W/ WHITE STRIPE

☐ BLACK W/ GRAY STRIPE

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NO. DATE END REASON

2-3-18 AS-BUILT

11-13-13 REVISION 2.1

DRAWING ORIGIN

COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH HALL

ENGINEERING FIRM

500 WEST FIELD SERVICE

PROJECT NUMBER

LOCATION 1 PM 1023 WESTPARK

EXTENSION HOUSTON, TX

DRAWING NAME

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.

VARIES PROP R.W.



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

SEE SHEET 21 TO MATCH SURVEY STA. 463+50

SEE SHEET 23 TO MATCH SURVEY STA. 470+50

FIBERGLASS HOPE - MATERIALS			
Unit Code & Description		Units	Estimated Quantity
MAT-80150 - CONDUIT 8" HOPE SDR 9		FT	650
MAT-80270 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER		EA	3
MAT-82000 - WARNING TAGS 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.

Unit Code & Description			
Unit Code & Description		Units	Estimated 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 30"x48"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

CONSTRUCTION NOTES

- CONDUIT OWNER LEVELS
CONDUIT LOCATED BY
CONDUIT QTY: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: BORE 8"-2" HOPE
- LEVELS INVOLE
CONDUIT LOCATED BY
CONDUIT QTY: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HDPE
NOTES: BORE 8"-2" HOPE
- CONDUIT OWNER LEVELS
CONDUIT LOCATED BY
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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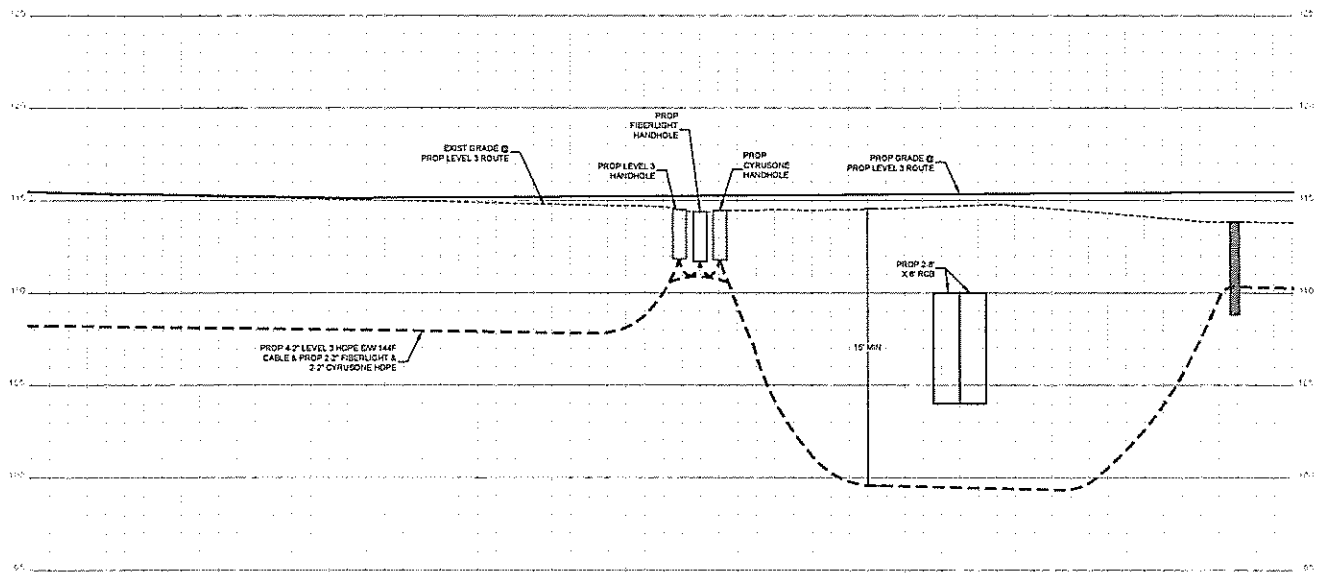
Level(3)
LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
SOLUTION FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NUMBER

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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.

- 4\"/>

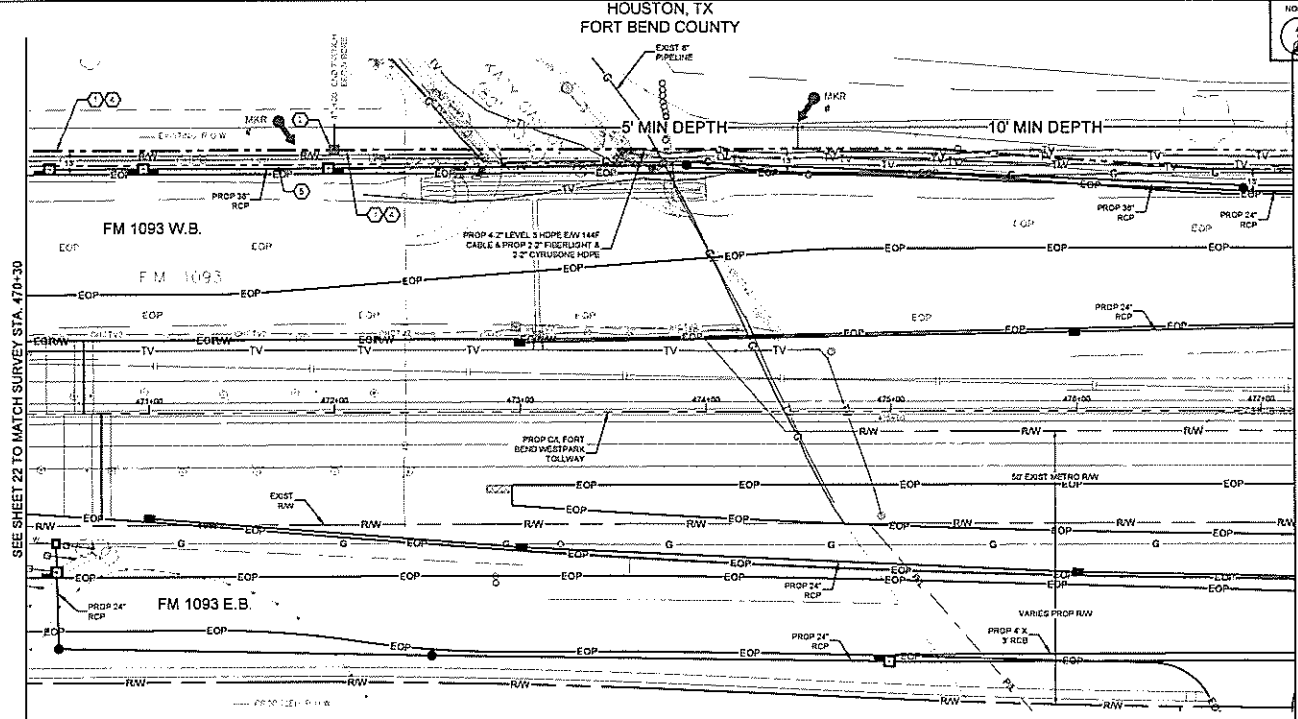
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Level(3)

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

SCALE: VERT. 1"=5'
SHEET 22A OF 31
COURTESY: FORT BEND COUNTY

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 FIBER: 144F
CABLE OWNER LEVELS
CABLE LENGTH 160'
 - CABLE FIBER: 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	11-13-13	AS-BUILT
2-3-16	11-13-13	REVISION # 1
11-13-13		ORIGINAL
DATE/TIME		COMMENT
Level(3) CONSULTING ENGINEERS LEVEL 3 ENGINEER KEITH HALL ENGINEERING FIRM CONSULTING SERVICES PROJECT NUMBER LOCATION: FM 1093 WESTPARK EXTENSION, HOUSTON, TX DRAWING NUMBER		
SCALE: HORIZ 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.

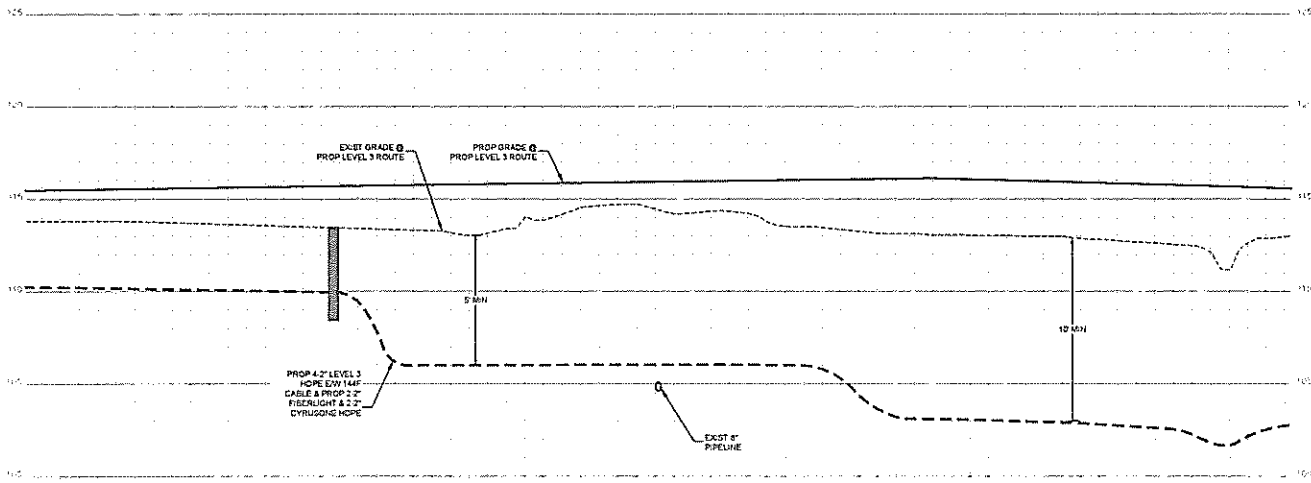


CALL BEFORE YOU DIG
1-800-545-8005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

6.2\"/>

NO.	DATE	END REASON
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2-3-18		AS-BUILT
11-13-13		ORIGINAL
DRAWING		COMMENT

Level(3)
ENGINEERING

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

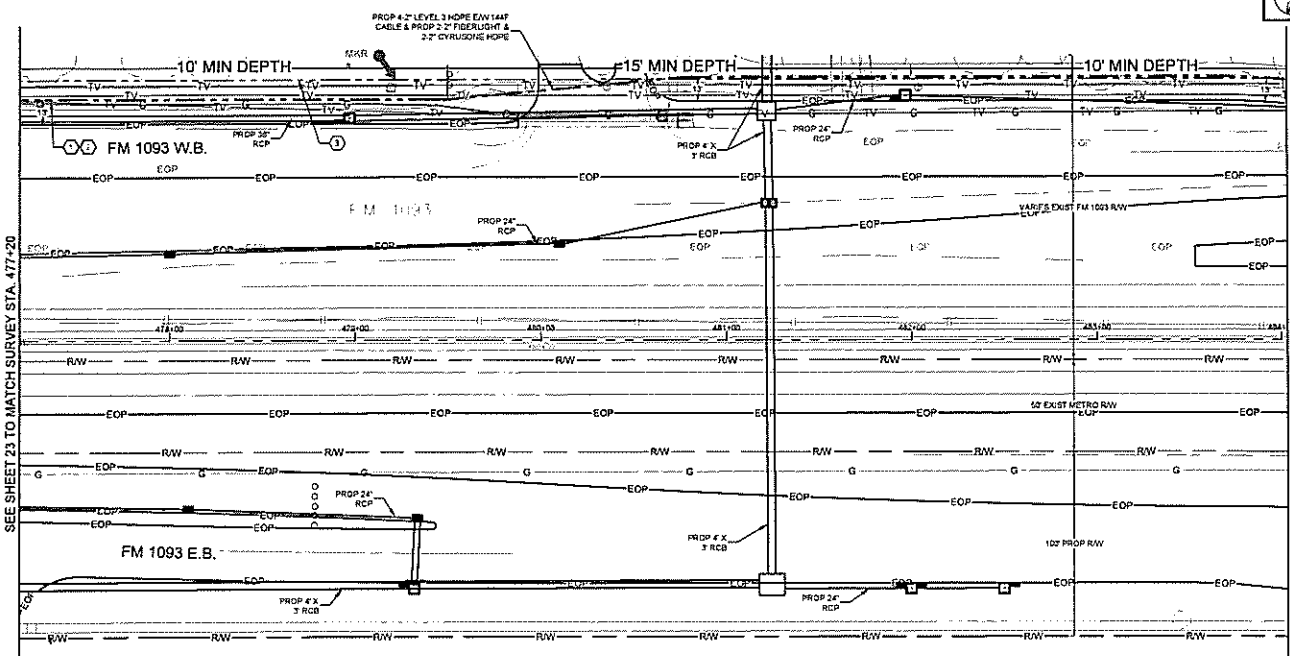
SCALE VERT 1\"/>

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



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

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
1		AS-BUILT
2-2-18		REVISION # 1
11-13-15		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
UGS-30500-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	650	
UGS-30500-S - PLACE UP TO 288 COUNT FIBER IN CONDUIT UP TO 1500'	FT	650	
UGS-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGS-31000-S - PLACE LOCATE MARKER POST	EA	1	
UGS-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4,700	



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

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 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

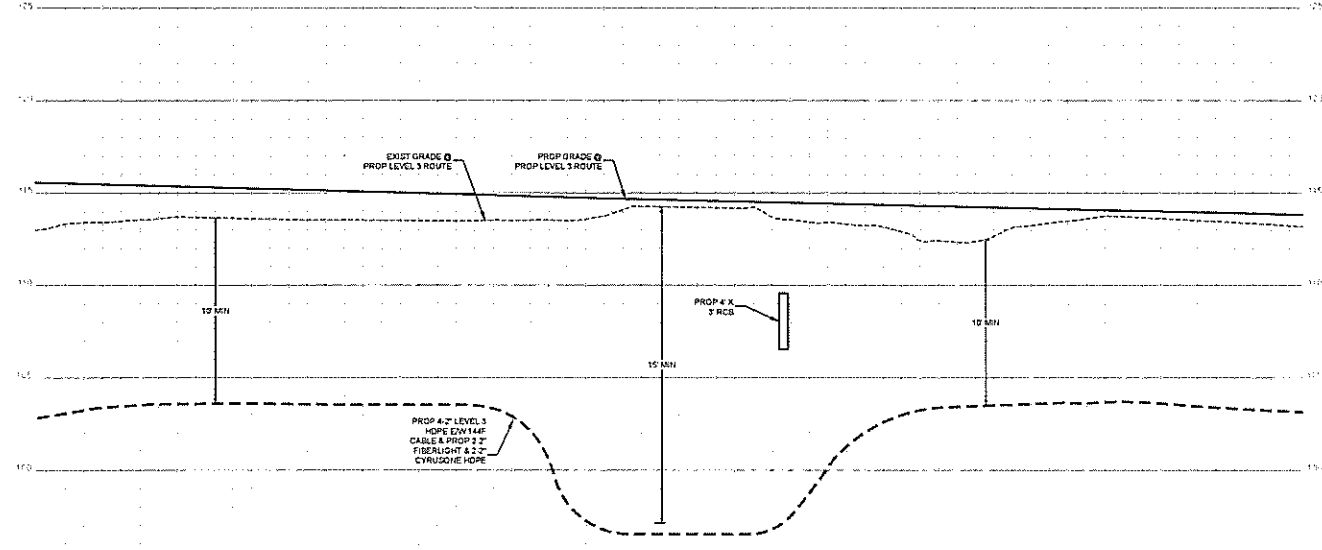
CITY OF HOUSTON, TX

DRAWING DATE

SCALE VERT 1"=5'

SHEET 24A OF 31

CONFIDENTIAL/PROPRIETARY



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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

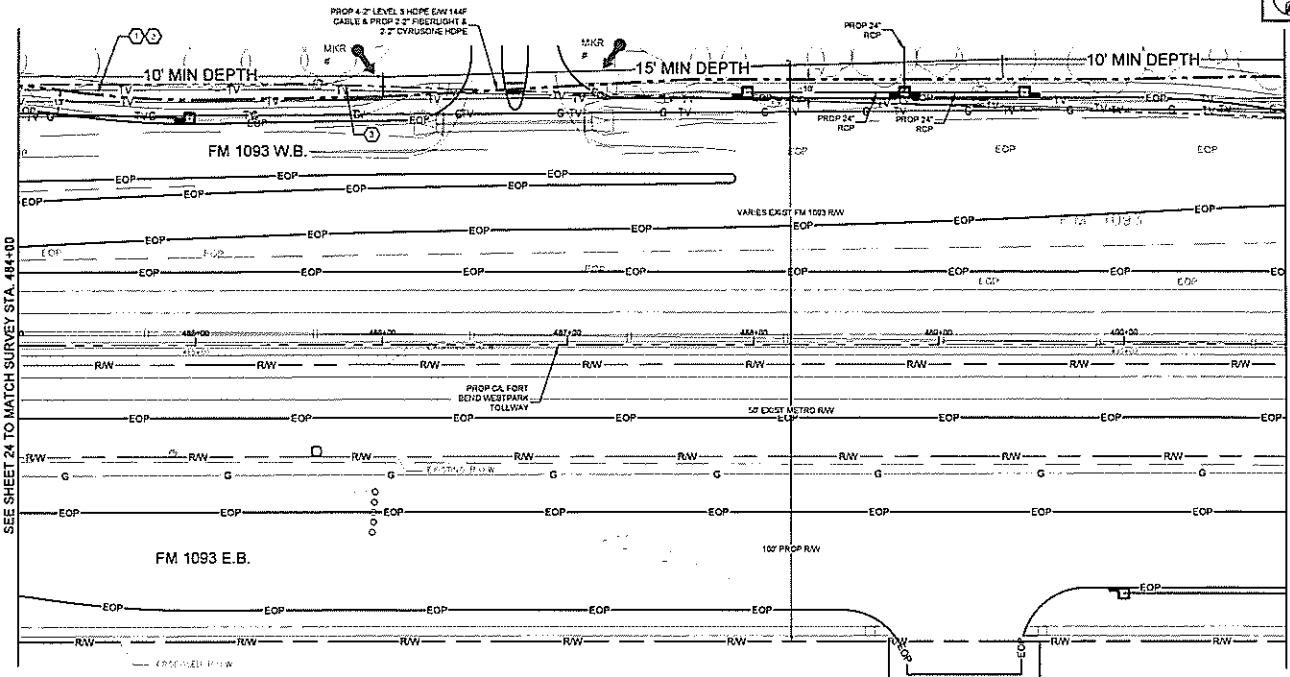
1. EXIST OWNER LEVELS
CONCRETE UNDER EOP
CONCRETE CITY 8
CONCRETE SIDE 7
CONCRETE TIE-ROPE
NOTE: BORE 8-2' HERE
2. CABLE FEEDS: 114F
CABLE OWNER LEVELS
CABLE LENGTH: 100'
3. CABLE FEEDS: 114F
CABLE OWNER LEVELS
CABLE LENGTH: 100'

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

- 8" HOPE CONFIGURATION
- 4" (LEVEL 2)
 - 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" CYRUSGLO
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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DRAWING	REVISION	COMMENT

Level 3
LEVEL 3 ENGINEERS
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 W. ST. PARK
EXTENSION: HOUSTON, TX
DRAWING NAME
SCALE: HORIZ. 1"=100'
SHEET 25 OF 31
CONFIDENTIAL/PROPRIETARY



Page Take Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-30150 - CONDUIT 8-2" HOPE SDR-9	FT	650	
MAT-32200 - WARNING TACS AND/OR MARKERS	EA	2	

Page Take Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30550-S - DIRECTIONAL BORE GREATER THAN 1200' 1" HOPE CONDUIT UP TO 2"	FT	650	
UGB-30550-S - PLACE UP TO 289 COUNT FOC IN CONDUIT UP TO 1550'	FT	650	
UGB-31050-S - REMOVE AND DISPOSE OF 1 114F CABLE	EA	2	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4,830	



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
1-800-543-5005
48 HOURS NOTICE REQUIRED

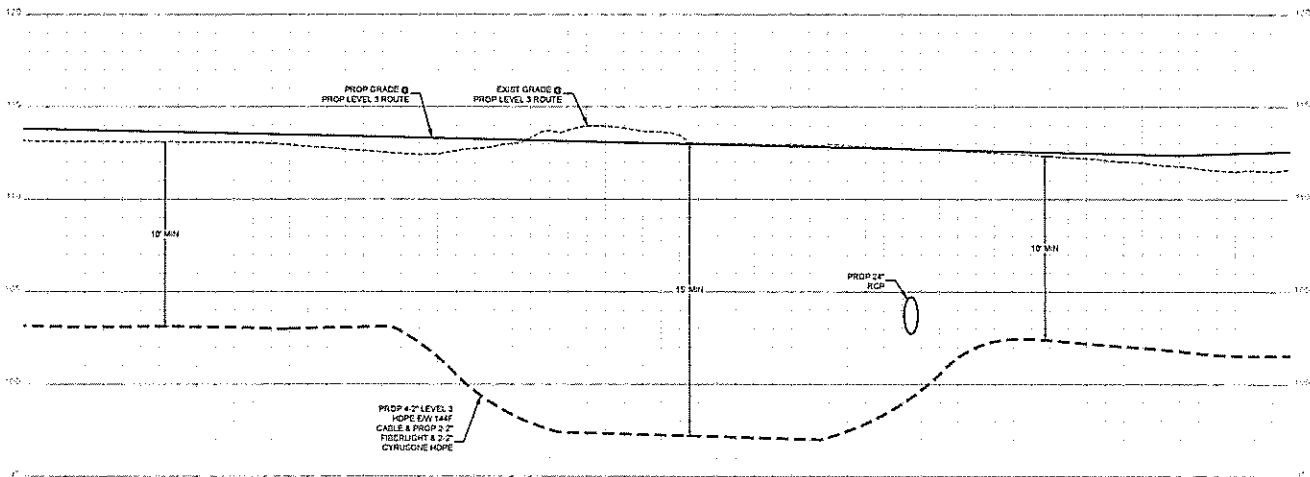
SEE SHEET 24 TO MATCH SURVEY STA. 484+00

SEE SHEET 26 TO MATCH SURVEY STA. 490+80

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/ 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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2-2-18	AS-BUILT	
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11-13-18	ORIGIN	
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DRAWING	COMMENT
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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

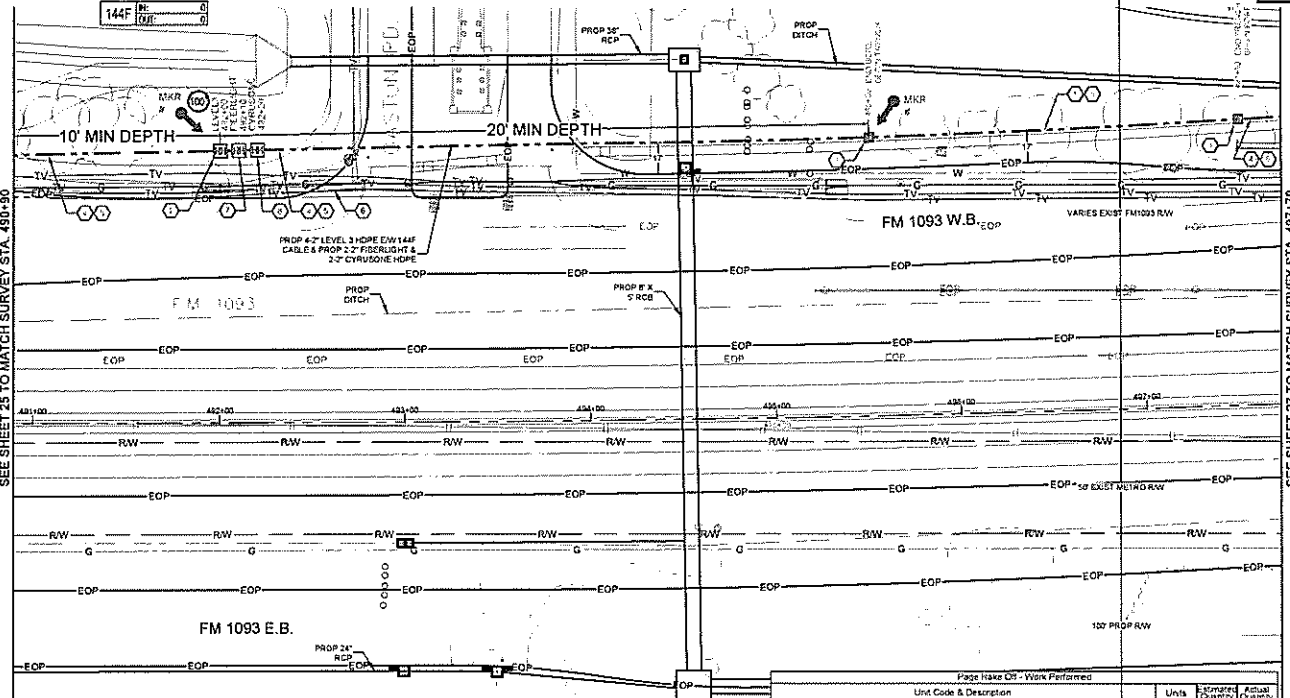
EAST HOUSTON, HOUSTON, TX

DRAWING NUMBER

SCALE: HORIZ. 1"=10'

SHEET 26 OF 31

CONFIDENTIAL/PROPRIETARY



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" HOPE SDR 9	FT	650		
MAT-50970 - TIER 15 3/4"X3/4" 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"X48"X30" - NON CONCRETE HANDHOLE	EA	3		
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	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		

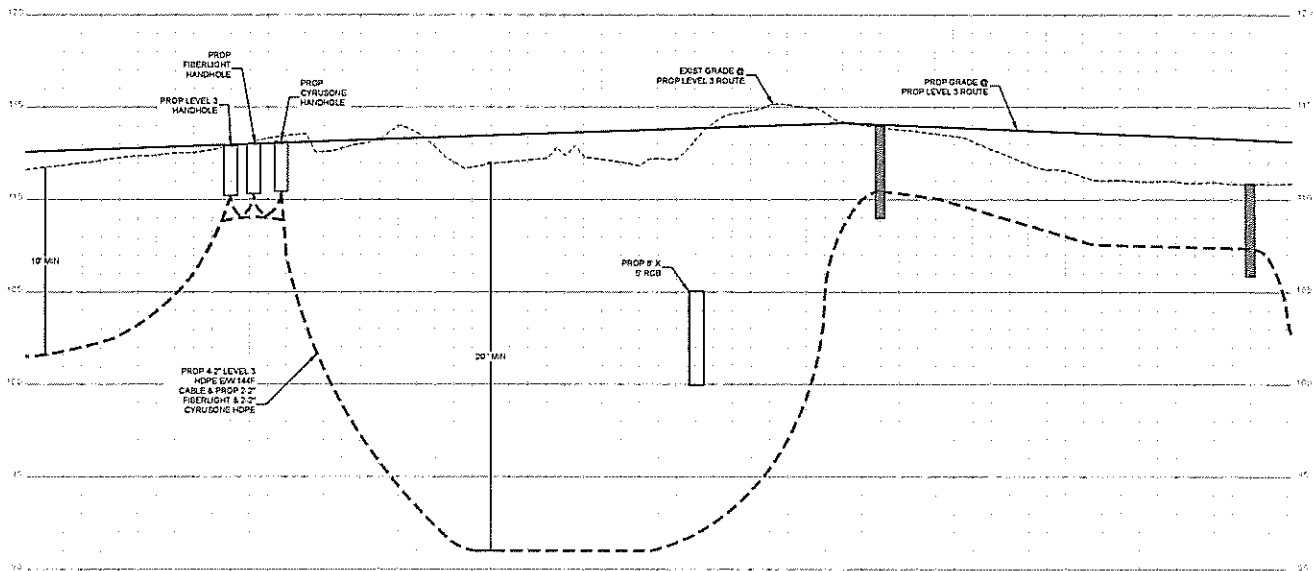
SEE SHEET 25 TO MATCH SURVEY STA. 490+00

SEE SHEET 27 TO MATCH SURVEY STA. 497+70

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



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

Level(3)
ENGINEERS

LEVEL 3 ENGINEER
KEITH MALL

ENGINEERING FIRM
GOLDEN FIELDS SERVICES

PROJECT NUMBER:
LOCATION: FM 1503 WESTPARK
EXTENSION - HOUSTON, TX

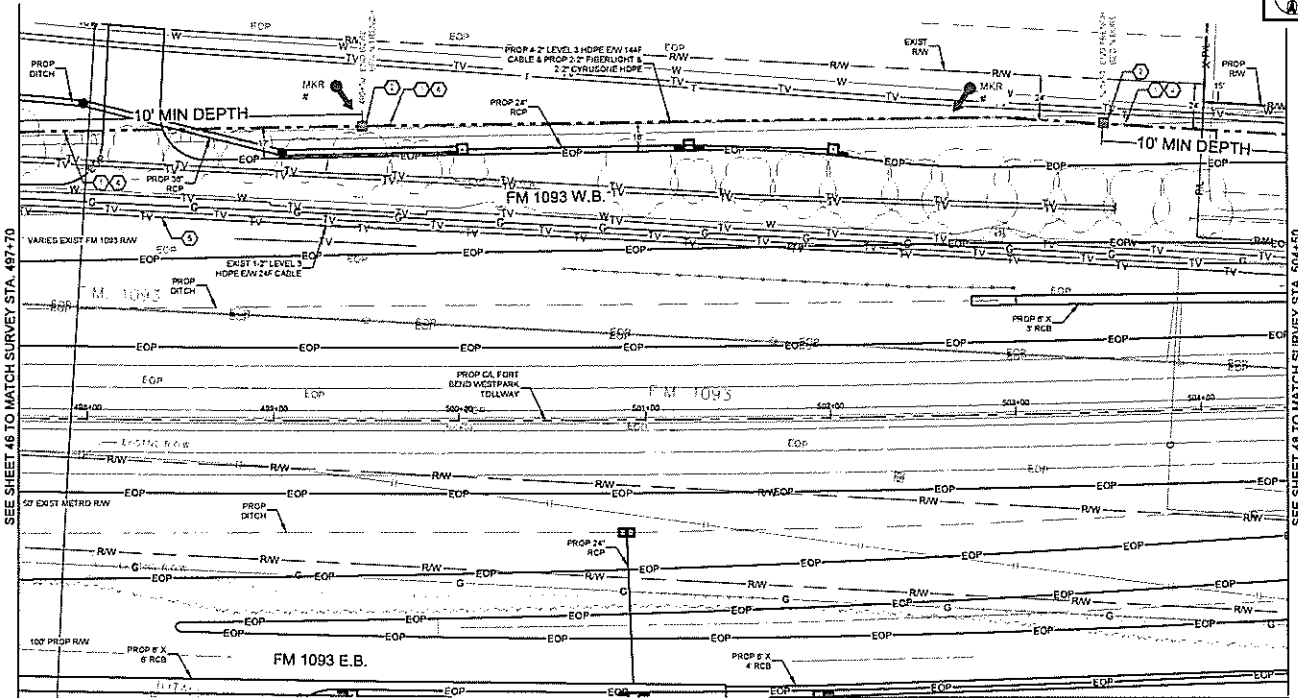
DRAWING NAME:

SCALE: VERT 1"=5'

SHEET 26A OF 31

CONFIDENTIAL/PROPRIETARY

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 BORE
4. CONDUIT OWNER LEVELS
CONDUIT LENGTH 400'
5. CONDUIT SIZE 3"
CONDUIT TYPE HOPE
NOTES: TRENCH 8-2" HOPE
6. CABLE PROPOSED 144F
CABLE OWNER LEVELS
CABLE LENGTH 144F
7. CABLE PROPOSED 144F
CABLE OWNER LEVELS
CABLE LENGTH 144F

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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Level(3)
LEVEL 3 ENGINEERING, INC.
11111 RICHMOND AVE., SUITE 100
HOUSTON, TEXAS 77036
713.861.1111
WWW.LEVEL3ENGINEERING.COM

LEVEL 3 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 TAPS AND/OR MARKERS	EA	2	

Page Rate Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30000-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-30000-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	250	
UGB-30000-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-31040-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31000-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	

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

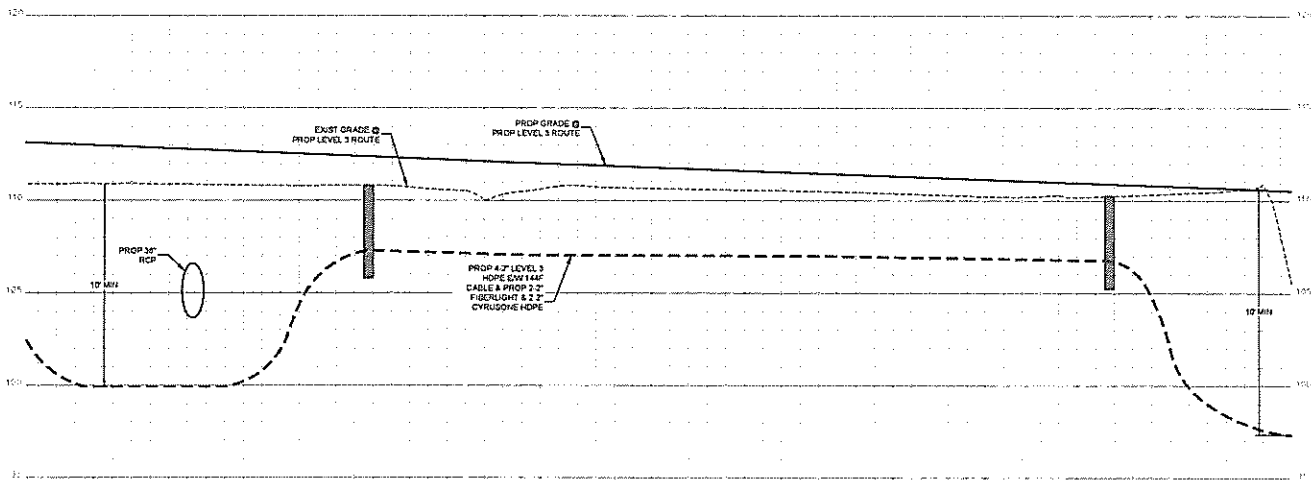


CALL BEFORE YOU DIG
1-800-545-6009
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE:
CONTRACTOR MUST SUPPLY
ALL HDPE CONDUITS 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 ORIGINAL

COMMENT

Level(3)

LEVEL 3 ENGINEER

KEITH WALL

ENGINEERED FARM

GOLDEN FELD SERVICES

PROJECT NUMBER

LOCATION: FM 1053 VIC STPARK

EXTENSION: HOUSTON, TX

DRAWING NAME

SCALE: VERT 1\"/>

SHEET 27A OF 31

CONSENT ALPHAPRIMARY

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
1-800-545-6205
48 HOURS NOTICE REQUIRED

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

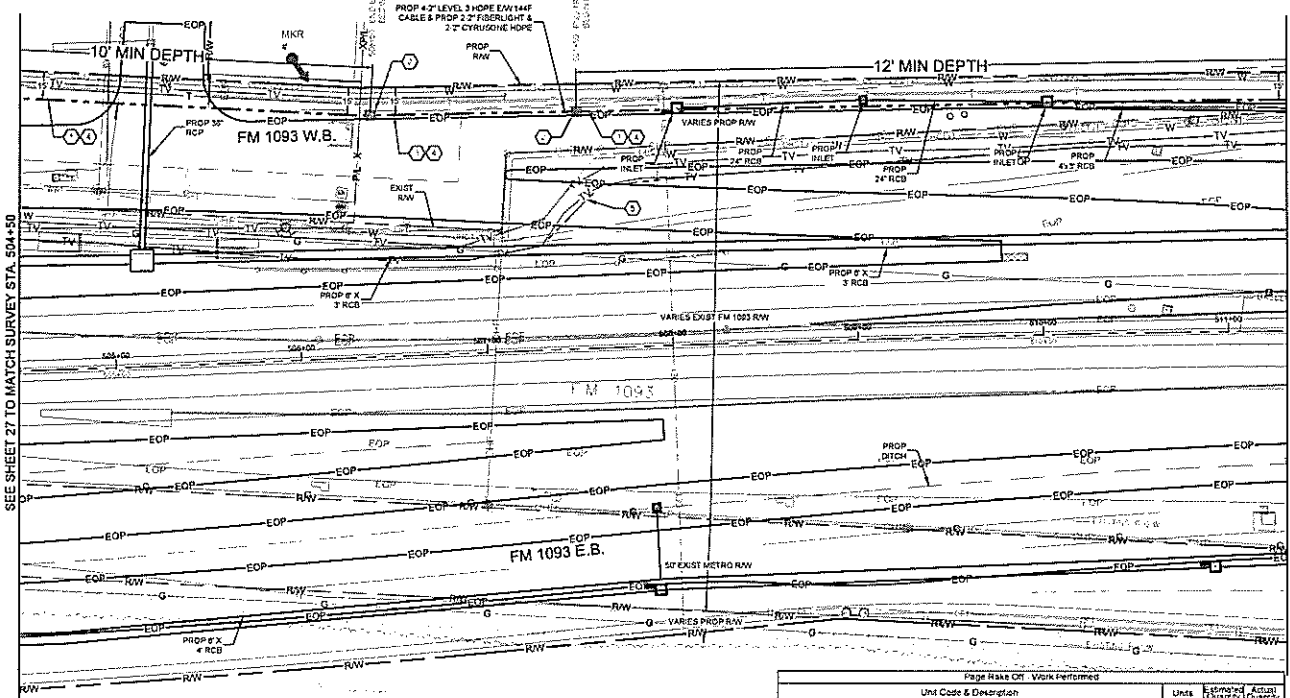
- 8" HOPE CONFIGURATION
- 4" LEVELS
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERLIGHT
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Level(3)
LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
COLUMBIA FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NAME

SCALE: HOR: 1"=50'
SHEET: 28 OF 31
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

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.

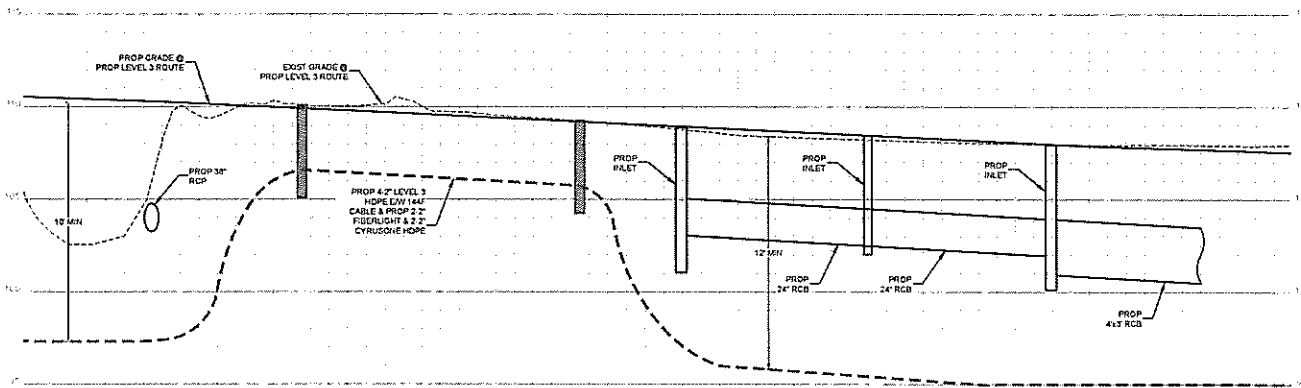
Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-20120 - CONDUIT 8" 2" HOPE CDR 8	FT	650	
MAT-20220 - WARNING TAGS AND/OR MARKERS	EA	1	

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 1-144" 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

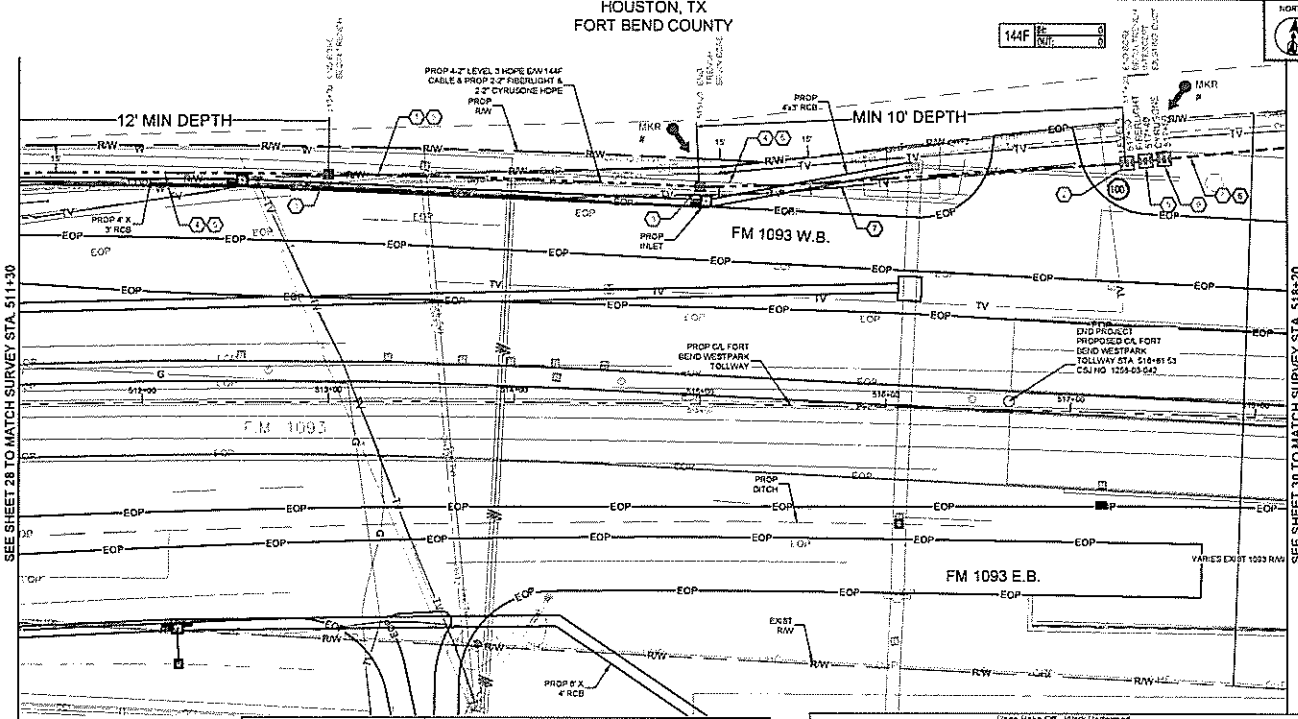
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND
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CALL BEFORE YOU DIG
1-800-542-6025
48 HOUR NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY

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CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 250'
- 2 CONDUIT OWNER 8
CONDUIT SIZE 2"
- 3 CONDUIT TYPE HOPE
NOTES: BORE 8-2" HOPE
- 4 CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 450'
- 5 CONDUIT OWNER 8
CONDUIT SIZE 2"
- 6 CONDUIT TYPE HOPE
NOTES: BORE 8-2" HOPE
- 7 CABLE FIBER: 144F
CABLE OWNER LEVEL 3
CABLE LENGTH 700'
- 8 CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 650'
- 9 CONDUIT OWNER 8
CONDUIT SIZE 2"
- 10 CONDUIT TYPE HOPE
- 11 CABLE FIBER: 144F
CABLE OWNER LEVEL 3
CABLE LENGTH 650'
- 12 CONDUIT TYPE HOPE
- 13 CRUISE W/VEHICLE

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

- 6-2" HOPE CONFIGURATION
- 4-2" LEVELS
- BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLASS
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 6-2" HOPE EDR 8	FT	600	
MAT-00370 - TIER 15 3/4"X48"X36" WITH KNOCK-OUTS AND RACKING INCLUDING COVER	EA	3	
MAT-00350 - CONDUIT WYE CAST 2"	EA	1	
MAT-00200 - WARNING TAGS AND/OR MARKERS	EA	2	



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

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	200	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	200	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30050-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COILS)	FT	780	
UGB-31070-S - PLACE NEW 30"x45"x36" NON-CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X3'	EA	2	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-30730-S - INTERCEPT CONDUIT WYE CAST 2"	EA	1	
UGB-31000-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1 400	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2 000	

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Level(3)
ENGINEERS

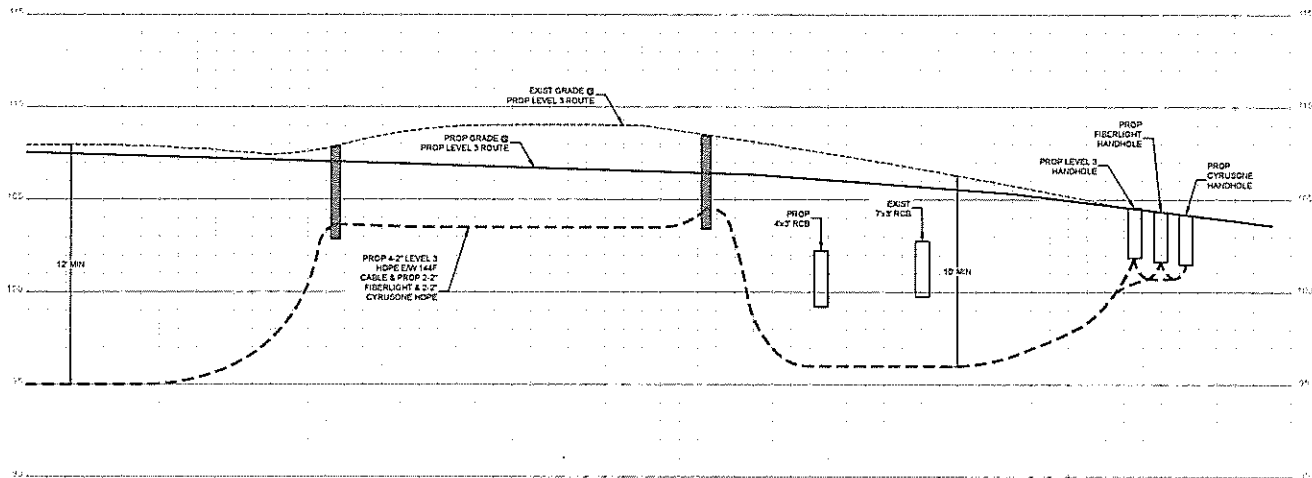
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELDS SERVICE
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EAST HOUSTON, HOUSTON, TX
DRAWING NAME

SCALE: NDR 1"=50'
SHEET 29 OF 31
EOPBENTJALPAPR09E TARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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

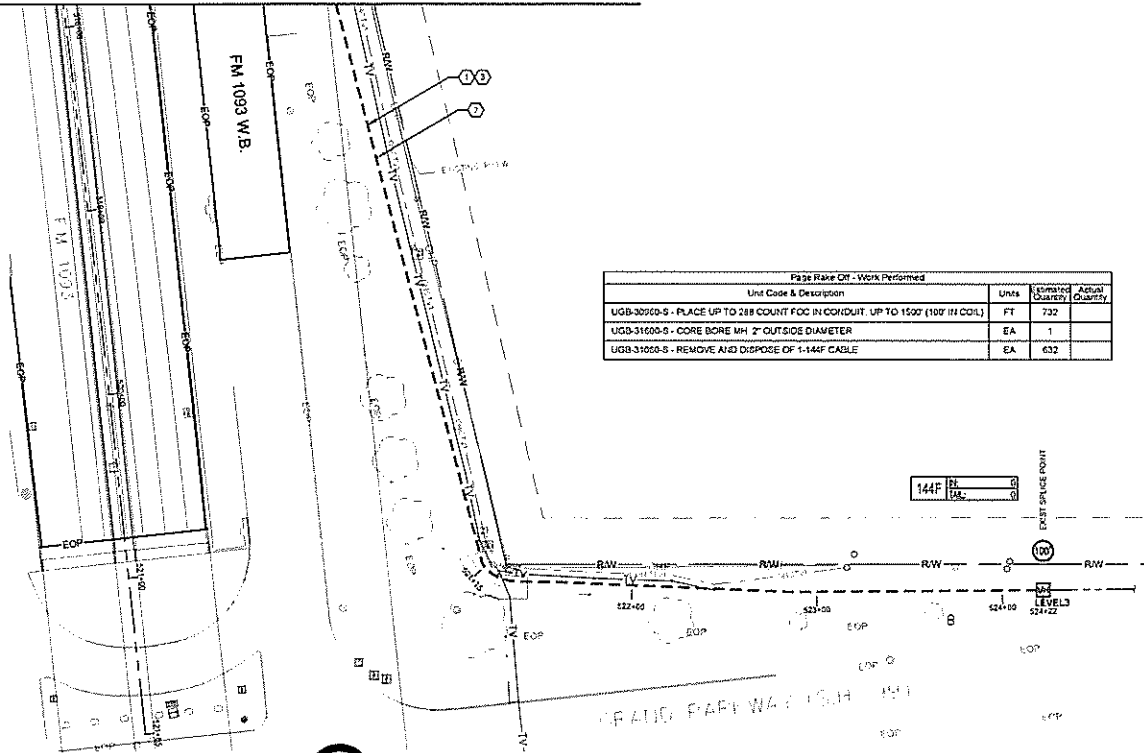


CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



SEE SHEET 29 TO MATCH SURVEY STA. 517+90



Page Blank Off - Work Performed			
Unit Code & Description	Units	Contract Quantity	Actual Quantity
UGB-30750-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' IN COIL)	FT	732	
UGB-31600-S - CORE BORE MH 2" OUTSIDE DIAMETER	EA	1	
UGB-31650-S - REMOVE AND DISPOSE OF 1-144F CABLE	EA	632	

144F	BL	0
	GR	0

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

NO.	DATE	END REVISION
1		AS-BUILT
2-3-18		REVISION # 1
11-13-19		ORIGINAL
DRAWING		COMMIT

Level(3)
LEVEL 3 ENGINEER

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

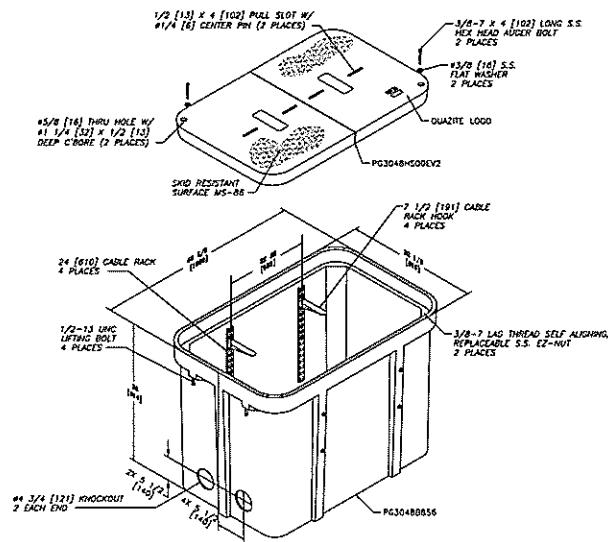
SCALE: HORIZ 1"=50'
SHEET 30 OF 31
CONFIDENTIAL/PROPRIETARY

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 STAR

EXTENSION - HOUSTON, TX

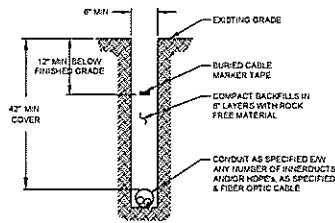
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SHEET 30A OF 31

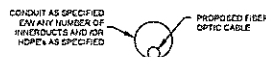
CONFIDENTIAL/PROPRIETARY

CONSTRUCTION DETAIL

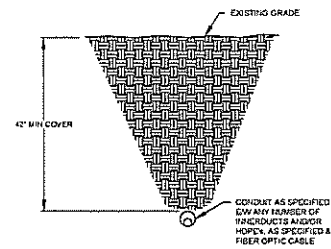
TYPICAL DETAIL "A"
TRENCH & PLACE CONDUIT



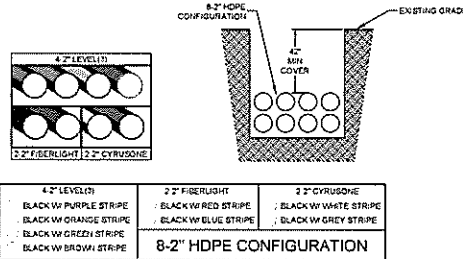
TYPICAL DETAIL "B"
CROSS SECTION OF PROPOSED HDPE



TYPICAL DETAIL "C"
DIRECTIONAL BORE CROSS SECTION
FOR CONDUIT



TYPICAL DETAIL "D"
HDPE CONFIGURATION



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HDPE CONDUITS AS
NOTED BELOW

8-2" HDPE 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
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☐ 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

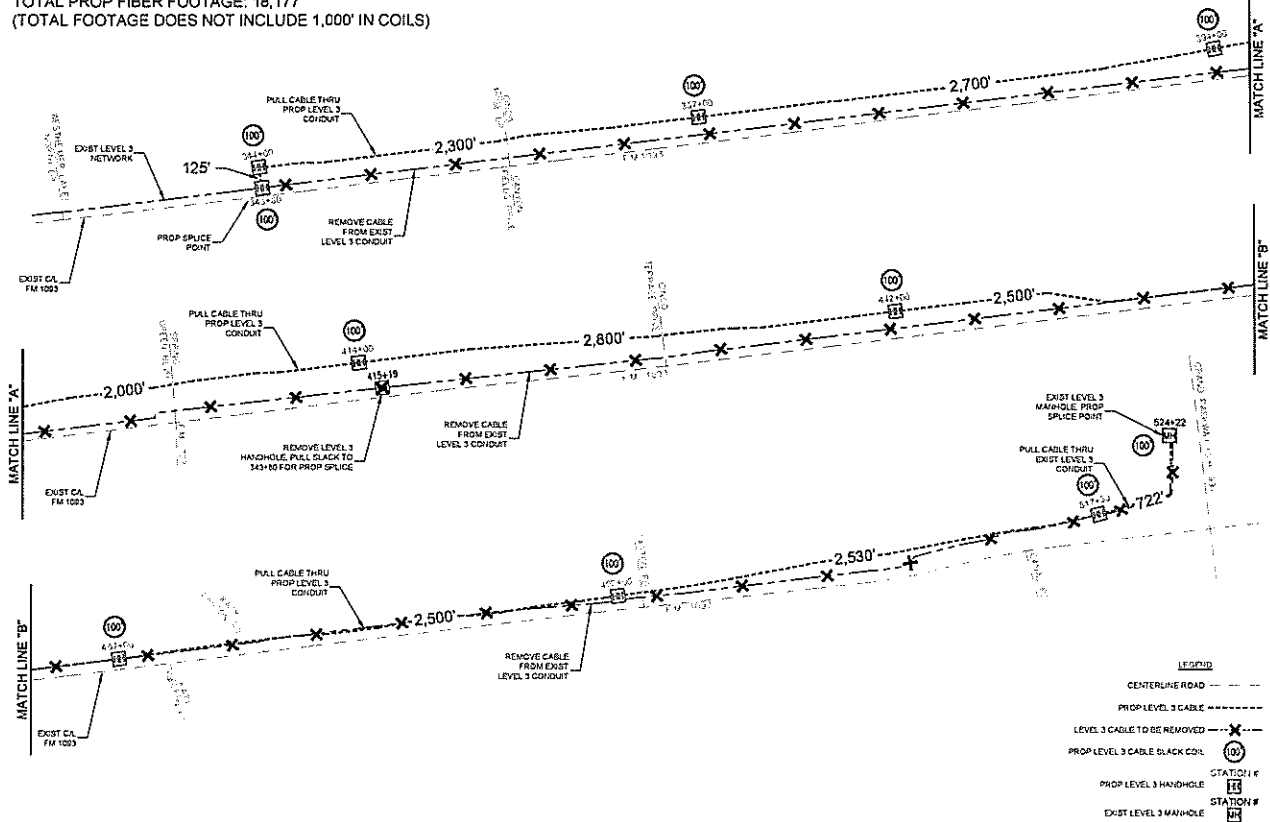
CONFIDENTIAL/PROPRIETARY

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

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

Level(3)

LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
SOL. DEV. FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1003 WESTPARK
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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NO.	DATE	ENG. DESIGN
2-2-18		AS-BUILT
11-12-15		REVISION # 1
		ORIGINAL
DRAFTING		CONTRACT



LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELD DRIVE 2
PROJECT NUMBER
LOCATION: FM 1535 W/ 28TH PARK
EXTENSION - HOUSTON, TX
DRAWING NAME

Exhibit B

Level 3 Construction Cost Estimate

Date
Fort Bend County

JP 3/15/16
Initial Date
Level 3

Level 3 Communications, LLC - U-0010 - Project Estimated Cost for Actual Costs

County Project Name	FM 1093 Westpark Extension
Level 3 Project Name	SC35102 - FM 1093 Westpark Tollway Extension, Fort Bend County, TX (U-0010)
Date	3/11/2016

Project Activities		Estimate					
Capability	Activity	Act. ID	Unit of Measure	Unit Cost	Number of Units	Total Spend	Explanation
Engineering	Underground 1001'–10,000'	3	LF	\$0.40	22078.00	\$8,831.20	Engineering
Engineering	As-Built Documentation	8	LF	\$0.15	22078.00	\$3,311.70	As-built documentation
Engineering	Professional Engineer (PE) Stamp & Review per package (for small projects)	10	HRS	\$71.00	40.00	\$2,840.00	Charge only if required.
Engineering	Senior Design Engineer	12	HRS	\$47.00	40.00	\$1,880.00	Engineering relocation project
Engineering	OSP Design Engineer	13	HRS	\$37.00	64.00	\$2,368.00	OSP Design Engineer
Engineering	CAD/GIS Operator	15	HRS	\$33.00	80.00	\$2,640.00	CAD/GIS Operator
Engineering	Lead Inspector	16	DAY	\$385.00	60.00	\$23,100.00	Lead Inspector
Engineering	Traffic Control CBD	28	DAY	\$320.00	10.00	\$3,200.00	Traffic Control
Engineering	Network Pothole CBD	30	HRS	\$100.00	100.00	\$10,000.00	Pothole Network
Underground	Trench greater than 1500': Trench 48" minimum cover	UGB-30050-S	FT	\$2.0625	9105.00	\$18,779.06	Trench greater than 1500': Trench 48" minimum cover (Level 3 pro-rata share)
Underground	Place 1 - HDPE conduit in open trench up to 2"	UGB-30140-S	FT	\$0.2188	9105.00	\$1,991.72	Place 1 - HDPE conduit in open trench up to 2" (Level 3 pro-rata share)
Underground	Place additional HDPE in open trench conduit up to 2"	UGB-30150-S	FT	\$0.13125	63735.00	\$8,365.22	Place additional HDPE in open trench conduit up to 2" (Level 3 pro-rata share)
Underground	Directional Bore greater than 1500': 1 HDPE conduit up to 2"	UGB-30690-S	FT	\$2.3125	8350.00	\$19,309.38	Directional Bore greater than 1500': 1 HDPE conduit up to 2" (Level 3 pro-rata share)
Underground	Directional Bore greater than 1500': Additional HDPE conduit up to 2"	UGB-30700-S	FT	\$0.3750	58450.00	\$21,918.75	Directional Bore greater than 1500': Additional HDPE conduit up to 2" (Level 3 pro-rata share)
Underground	Place up to 288 count FOC in conduit, up to 1500'	UGB-30960-S	FT	\$1.2500	19177.00	\$23,971.25	Place up to 288 count FOC in conduit, up to 1500'
Underground	Place New - 30"x48"x36" - Non-concrete Manhole / Handhole	UGB-31270-S	EA	\$201.25	27.00	\$5,433.75	Place New - 30"x48"x36" - Non-concrete Manhole / Handhole (Level 3 pro-rata share)
Underground	Remove Existing - 30"x48"x36" - Non-concrete Manhole / Handhole	UGB-31380-S	EA	\$545.00	1.00	\$545.00	Remove Existing - 30"x48"x36" - Non-concrete Manhole / Handhole
Underground	Excavate Small Pit: 6'x4'x5'	UGB-31640-S	EA	\$116.25	34.00	\$3,952.50	Excavate Small Pit: 6'x4'x5' (Level 3 pro-rata share)
Underground	Core Bore MH/HH: 2" Outside Diameter	UGB-31600-S	EA	\$335.00	1.00	\$335.00	Core Bore MH/HH: 2" Outside Diameter
Underground	Intercept Conduit: WYE Cast 2"	UGB-30930-S	EA	\$475.00	2.00	\$950.00	Intercept Conduit: WYE Cast 2"
Underground	Remove and dispose of cable	UGB-31060-S	FT	\$0.80	18052.00	\$14,441.60	Remove and dispose of cable
Underground	Place Locate Marker Post	UGB-31990-S	EA	\$50.00	39.00	\$1,950.00	Place Locate Marker Post
Splicing and Testing	Splicer Deployment Charge	285	EA	\$114.23	4.00	\$456.92	Deployment for 2 guys x 2 nights = 4
Splicing and Testing	Prep cables into new closure-Handhole	286	EA	\$128.15	2.00	\$256.30	Prep cables into new enclosures
Splicing and Testing	Add new cable(s) to existing closure-Handhole	289	EA	\$64.92	2.00	\$129.84	Add new cable(s) to existing closure-Handhole
Splicing and Testing	Open existing closure-Handhole	292	EA	\$80.74	2.00	\$161.48	Open existing closure-Handhole
Splicing and Testing	Fusion Splice Cost per Fiber, > 72, up to 96 Fibers per splice location	299	EA	\$28.00	384.00	\$10,752.00	Splicing 144 fibers on each end = 144 x 2 = 288
Splicing and Testing	PFOG Deployment Charge	305	HRS	\$103.88	2.00	\$207.76	PFOG Deployment Charge
Splicing and Testing	PFOG Fiber Test per Fiber, >96, up to 144 Fibers per testing location	310	EA	\$5.87	144.00	\$845.28	Testing 144 fibers.
Splicing and Testing	Reel Testing (Initial OTDR acceptance test) >72, up to 96 Fibers per reel	316	EA	\$3.00	144.00	\$432.00	Reel test 2 reels of 144 count cables.
Sub						\$193,355.71	

Capability	Activity	Act. ID	Unit of Measure	Unit Cost	Number of Units	Total Spend	Explanation
Underground Construction	Level 3 Fiber Material	A501	FT	\$1.700	19500.00	\$33,150.00	144 count fiber optic cable.
Underground Construction	Conduit: WYE Cast 2"	MAT-90360-S	EA	\$250.000	1.00	\$250.00	Conduit: WYE Cast 2"
Underground Construction	Conduit: 1 1/2" HDPE SDR-11	MAT-90080-S	FT	\$0.080	139480.00	\$11,158.40	Conduit: 1 1/2" HDPE SDR-11 (Level 3 pro-rata share)
Underground Construction	Tier 15 30"x48"x36" - With knock-outs and racking - Including Cover	MAT-90970-S	EA	\$162.500	27.00	\$4,387.50	Tier 15 30"x48"x36" - With knock-outs and racking - Including Cover (Level 3 pro-rata share)
Underground Construction	Warning Tags and/or Markers	MAT-92090-S	EA	\$95.000	39.00	\$3,705.00	Warning Tags and/or Markers
Splicing and Testing	Splice Enclosures	A507	EA	\$750.00	2.00	\$1,500.00	Purchase Splice Enclosure
					Sub	\$54,150.90	
Capability	Activity	Act. ID	Unit of Measure	Unit Rate	Number of Units	Total Spend	Explanation
Indirect Costs	Level 3 G&A Expense	L3601	Overhead	30.40%	247506.61	\$75,242.01	Field Operations Support in Construction, Engineering & Permitting, Splicing, Testing and Acceptance. Headquarters Support in Scheduling, Fiber planning, Engineering Review, Project Analysis, CAD support, Network Access, Testing and Acceptance Review and Approval, Project Manager Support, Legal Support, Legal Review of Documents.
Total						\$322,748.61	

Exhibit C

Level 3 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

JP 3/15/16
Initial Date
Level 3

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

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

OFFICE USE ONLY CERTIFICATION OF FILING

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

Level 3 Communications, LLC
Broomfield, CO United States

Certificate Number:
2016-26366

Date Filed:
03/15/2016

Date Acknowledged:

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

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

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.

SHIRLEY WELCH
NOTARY PUBLIC
STATE OF COLORADO

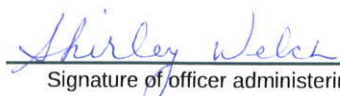
My Commission Expires 07/10/16



Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said VICE PRESIDENT, this the 15TH day of MARCH, 2016, to certify which, witness my hand and seal of office.


Signature of officer administering oath

SHIRLEY WELCH
Printed name of officer administering oath

NOTARY PUBLIC
Title of officer administering oath