

STANDARD UTILITY AGREEMENT

U-0017: CyrusOne
County: Fort Bend
Highway: FM 1093 Westpark Extension

This Agreement by and between the County of Fort Bend, Texas, ("**County**"), and **CyrusOne**, ("**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

GA 3/29/16
Initial Date
CyrusOne

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.

Date
Fort Bend County

GA
Initial
CyrusOne

3/29/16
Date

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.

Any audit performed by the State Auditor under this Agreement shall be under the authority of and consistent with the provisions of Chapter 321 of the Texas Government Code

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: CyrusOne
Name of Utility

By: 
Authorized Signature

Gregory Andrews
Print or Type Name

Title: Chief financial Officer

Date: March 29, 2016

Date
Fort Bend County

GA 3/29/16
Initial Date
CyrusOne

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

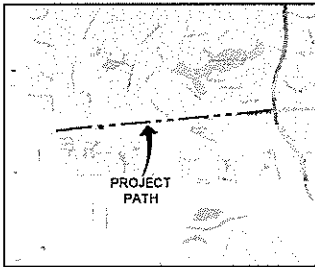
GA 3/29/16
Initial Date
CyrusOne

Exhibit A

CyrusOne Plans & Specifications

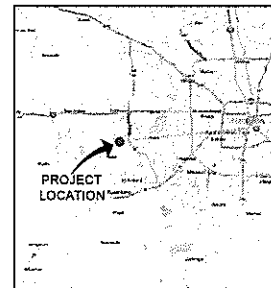
(62 Pages that Follow)

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
 ERIC BAKER 832-357-3282

PROJECT INDEX

- 1 - COVER SHEET
- 2 - LEGEND
- 2A - GENERAL NOTES 1
- 2B - GENERAL NOTES 2
- 3 - INDEX SHEET
- 430 - CONSTRUCTION PLANS & PROFILES
- 304-309 - CONSTRUCTION DETAILS
- 300 - LEVEL 3 CABLE PULLING SCHEMATIC
- 31 - RAKE OFF TOTAL

SCOPE OF WORK

REMOVE AND REPLACE 18,177 OF THE EXISTING LEVEL 3 COMMUNICATIONS FIBER NETWORK & PLACE 827 HDPE CONDUIT & 21 MANHOLES IN THE NORTH RIGHT-OF-WAY OF F.M. 1093 & WESTPARK TOLLWAY DUE TO CITY OF HOUSTON INFRASTRUCTURE EXPANSION OF WESTPARK TOLLWAY

PROJECT DESCRIPTION

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

1		
2		
3		
NO.	DATE	ENG. REVISION
2	12-18-12	WORKING 2
1	11-15-12	ORIGINAL
0		ISSUED FOR PERMIT



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

SHEET 1 OF 31
 CONFIDENTIAL/PROPRIETARY

LEGEND

LINE TYPES

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

SYMBOL DESCRIPTION

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

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

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

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

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

GENERAL NOTES 1

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

1		
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NO.	DATE	ENG. DESIGN
2-2-18		AS-BUILT
11-13-13		ORIGINAL
DRAWING		COMMENT
Level(3) ENGINEERS		
LEVEL 3 ENGINEER KEITH HALL		
ENGINEERING FIRM SOUTHFIELD SERVICES		
PROJECT NUMBER		
LOCATION: FM 1033 WESTPARK EXTENSION - HOUSTON, TX		
DRAWING NAME		
SHEET 2A OF 31		
CONFIDENTIAL/PROPRIETARY		

GENERAL NOTES 2

GENERAL CONSTRUCTION NOTES

1. WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING ARE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE DOCUMENTS "STANDARD CONSTRUCTION SPECIFICATION FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING", "STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING" AND THE "INFRASTRUCTURE DESIGN MANUAL" PUBLISHED BY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING (OCTOBER 2011)
2. ALL UTILITIES PRESENTED ON THESE DRAWINGS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY IN THE FIELD THE EXACT LOCATIONS OF ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY TEXAS ONE-CALL @ 800-545-6005 AND HOUSTON'S UTILITY COORDINATING COMMITTEE @ 713-223-4567 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION.
3. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES TO EXISTING WATER, WASTEWATER, STORM WATER, AND TRAFFIC CONTROL DEVICES. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S "STANDARD CONSTRUCTION SPECIFICATIONS" REFERENCED ABOVE, AT NO COST TO THE CITY OF HOUSTON.
4. CONTRACTOR SHALL NOTIFY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, OFFICE OF THE CITY ENGINEER, 48 HOURS BEFORE STARTING WORK ON THIS PROJECT @ 832-394-8098.
5. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
6. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
7. THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF OSHA REGULATION AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
8. IF THE CONSTRUCTION DOES NOT BEGIN WITHIN A YEAR AFTER THE PLANS HAVE BEEN SIGNED, NEW SIGNATURES MUST BE OBTAINED AND LETTERS OF AVAILABILITY MUST BE UPDATED.
9. CONTRACTOR SHALL PREPARE A SET OF "AS-BUILT" DRAWINGS SHOWING ANY FIELD CHANGES MADE TO THE APPROVED ENGINEERING PLANS AND SUBMIT TO THE DESIGN CONSULTANT FOR SUBMISSION TO THE CITY ENGINEER.
10. THE PROJECT IS SUBJECT TO THE CITY OF HOUSTON STREET CUT ORDINANCE.

CONTRACTOR NOTE

1. THE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM AVAILABLE PUBLIC CITY INFORMATION. ALL INFORMATION CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND PIPELINES, CONDUITS AND STRUCTURES BY CONTACTING OWNERS OF UNDERGROUND UTILITIES OR BY EXCAVATING IN ADVANCE OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES WHEN AND WHERE THEY FALL IN THE PATH OF CONSTRUCTION!
3. THE CONTRACTOR IS ALSO RESPONSIBLE FOR CONTACTING THE CITY'S UTILITY COORDINATING COMMITTEE @ 713-223-4567 AND TEXAS ONE-CALL @ 800-545-6005 48 FORTY-EIGHT (48) HOURS PRIOR TO ANY CONSTRUCTION.
4. ALL PROPOSED FACILITIES SHALL MAINTAIN 12' CLEARANCE FROM ALL PUBLIC AND PRIVATE UTILITIES.

PROPOSED FACILITIES

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

!!WARNING!! OVERHEAD ELECTRIC

OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT THE CONTRACTOR SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH-VOLTAGE LINES. PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THE LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY @ 713-267-2222.

::CAUTION:: UNDERGROUND GAS

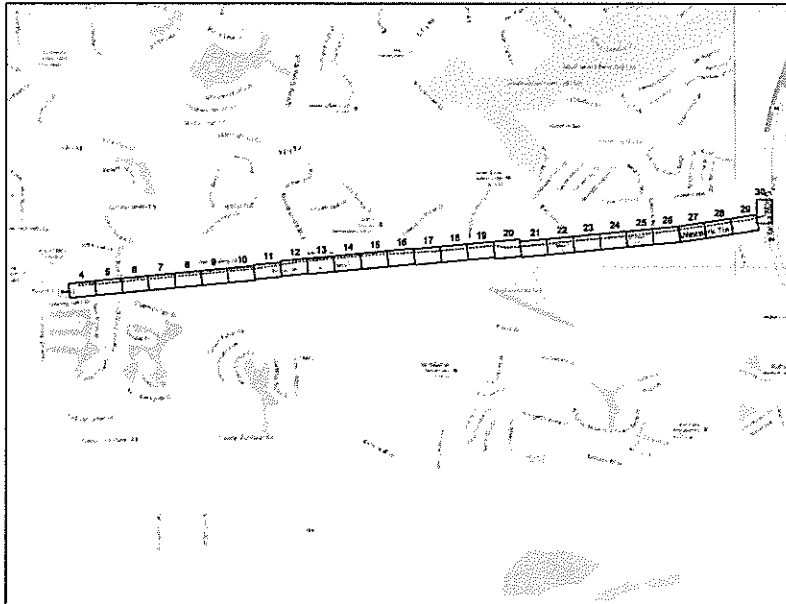
LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTERSTATE PIPELINE LLC WHERE APPLICABLE) ARE SHOWN IN APPROXIMATE LOCATION ONLY. SERVICES LINES ARE NOT USUALLY SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATION COMMITTEE @ 713-223-4567 OR 800-669-8344 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- WHEN CENTERPOINT ENERGY PIPE LINE MARKING ARE NOT VISIBLE, CALL 713-997-8037 (7:00 AM TO 4:30 PM) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.
- WHEN EXCAVATING WITHIN (18") OF INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
- WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.

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

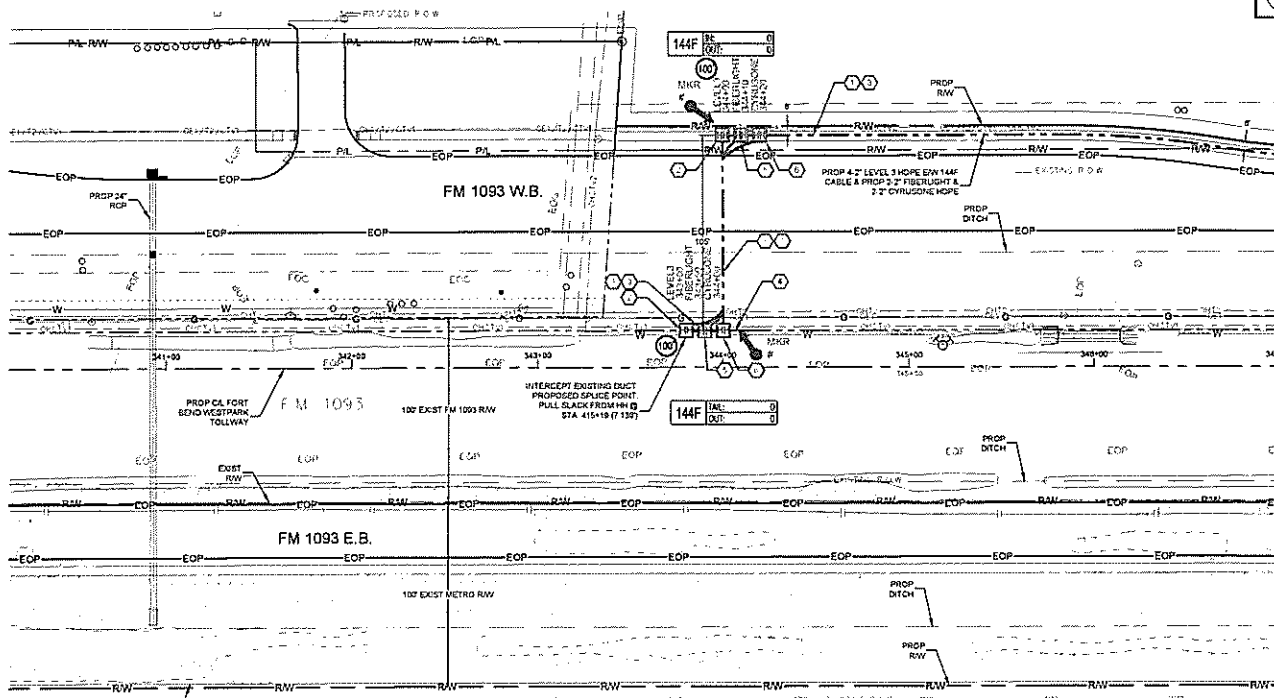
1		
2		
3		
NO	DATE	ENG. DESIGN
2	7-2-18	AS-BUILT
11	12-18	REVISION # 1
11	12-18	ORIGINAL
DATE	BY	COMMENT
Level(3) CORPORATION		
LEVEL 3 ENGINEER KEITH HALL		
ENGINEERING FIRM GOLDEN FIELD SERVICES		
PROJECT NUMBER		
LOCATION: FM 1033 WEST PARK EXTENSION - HOUSTON, TX		
DRAWING TITLE		
SHEET 28 OF 31		
CONFIDENTIAL-PROPRIETARY		

INDEX SHEET



3		
2		
1		
NO.	DATE	ENG. DESIGN
2-2-18		AP-BUILD
11-15-18		REVISION # 1
11-15-18		ORIGINAL
11-15-18		REVISION # 1
11-15-18		REVISION # 1
Level(3) CORPORATION		
LEVEL 3 ENGINEER		
KEITH HALL		
ENGINEERING FIRM		
COURTESY FIELD SERVICES		
PROJECT NUMBER:		
LOCATION: 284 TOWNSHIP PARK		
EXTENSION - HOUSTON, TX		
DRAWING NAME:		
SHEET 3 OF 31		
CONFIDENTIAL/PROPRIETARY		

HOUSTON, TX
FORT BEND COUNTY



- CONSTRUCTION NOTES**
1. VERIFY OWNER LEVELS
CONDUIT LENGTHS E25
CONDUIT CTS. 8
CONDUIT TYP. HFTS
NOTE: BENCH 8-2' HOPE
 2. LEVELS INVOLVE - 2
COL. 100' 1-144F IN OR 144F
 3. CABLE PERCS: 144F
CABLE OWNER LEVELS
CABLE LENGTH E25
 4. CABLE FISERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 300'
NOTES: REMOVE 144F CABLE
 5. FIBERLIGHT INVOLVE - 2
 6. CROSSING INVOLVE - 2

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

SEE SHEETS 5 TO MATCH SURVEY STA. 347+00

Page Take Off - Materials

UM Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HOPE SDR-9	FT	425	
MAT-80270 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	6	
MAT-92020 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Make Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	405	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	405	
UGB-30060-S - PLACE UP TO 239 COUNT FOC IN CONDUIT UP TO 1500' (200' IN COL)	FT	655	
UGB-31270-S - PLACE NEW .30"x48"x36" - NON-CONCRETE HANDHOLE	EA	6	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	300	
UGB-30930-S - INTERCEPT CONDUIT WYE CAST 2"	EA	1	
UGB-31090-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,835	

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



CALL BEFORE YOU DIG
1-800-541-4355
48 HOURS NOTICE REQUIRED

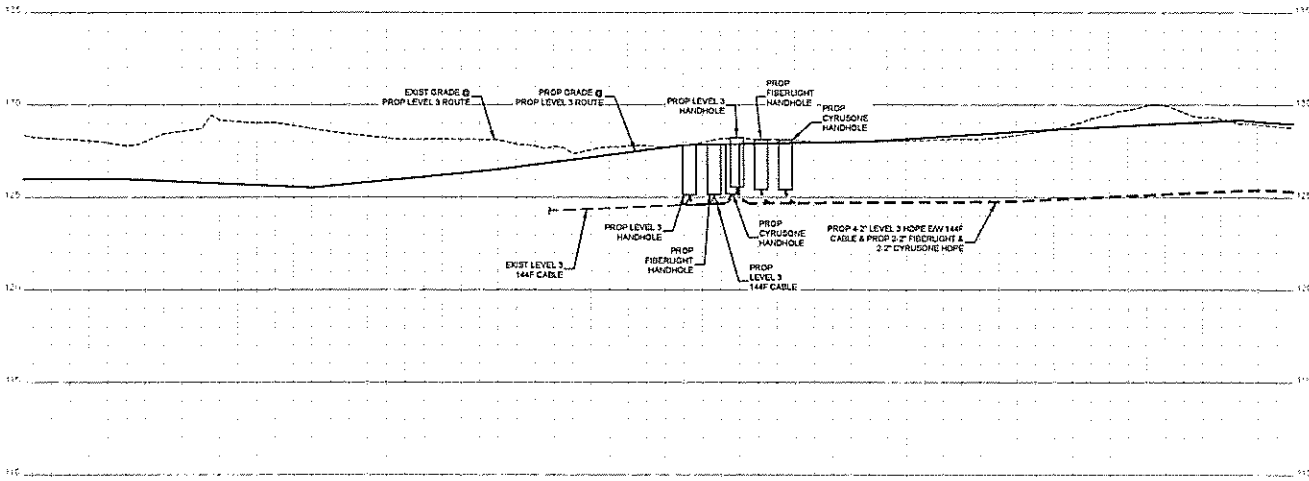
Level(3)
LEVEL ENGINEER
KATH HALL
ENGINEERING FIRM
CONDUIT FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING DATE

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:**
CONTRACTOR MUST SUPPLY ALL HOPE COMPONENTS AS NOTED BELOW
- 6" 2" HOPE CONFIGURATION:**
- 4" 2" LEVEL(3)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
- 2" 2" FIBERLIGHT**
- BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
- 2" 2" CYRUSONE**
- BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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11-13-13		ORIGINAL
DRAWING	COMMENT	

Level(3)
COMMERCIAL

LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES
PROJECT NUMBER
LOCATION: F8 1023 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING TITLE

SCALE: VERT 1"=5'
SHEET 4A OF 31
CONTRACT NO. MALP018101



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

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1) CABLE OWNER LEVELS
CONDUIT LENGTH 144F
CABLE STR. 8
CONDUIT SIZE 3
CABLE TYPE EDP
NOTE: TRENCH 8-2" HOPE
- 2) CABLE OWNER LEVELS
CONDUIT LENGTH 144F
CABLE STR. 1003
CABLE LENGTH 607
- 3) CABLE OWNER LEVELS
CABLE LENGTH 144F
NOTE: REMOVE 144F CABLE

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

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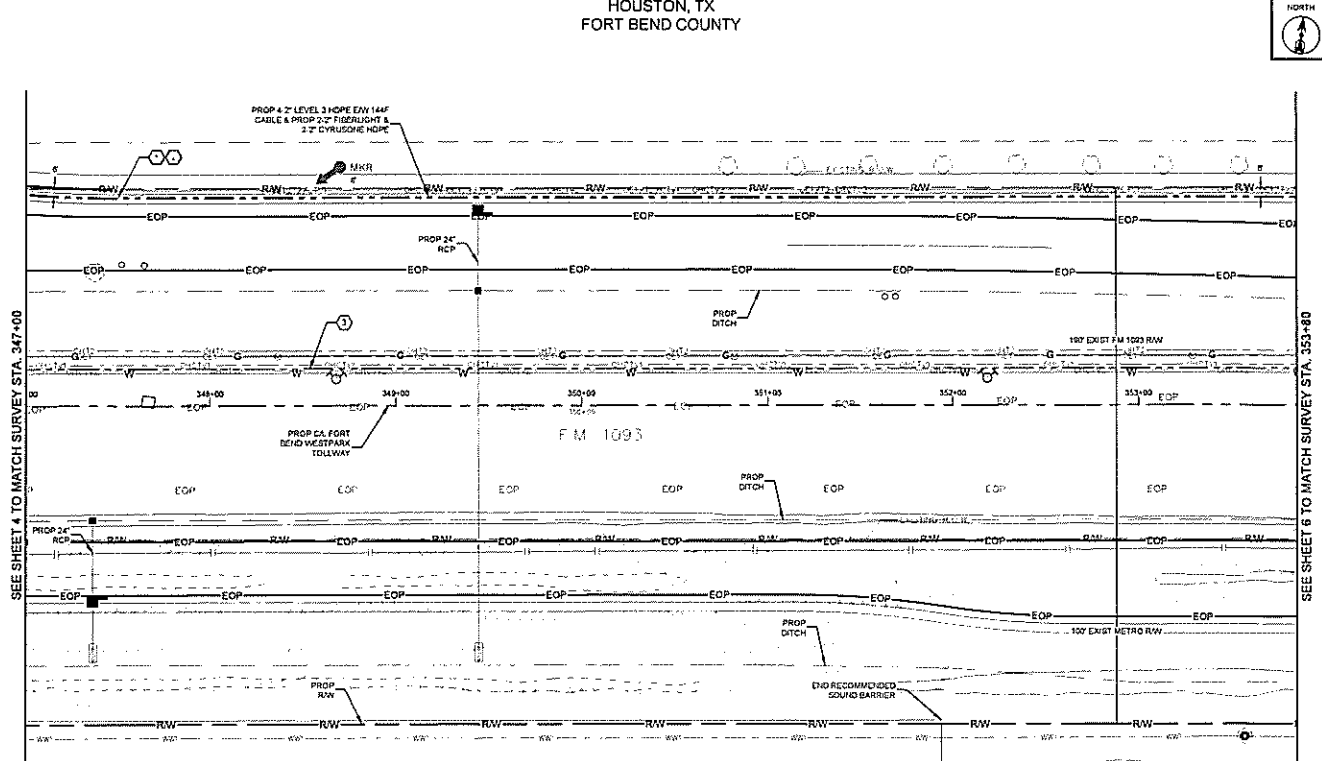
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Page Rate Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HOPE SDR 9	FT	680	
MAT-92020 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Make Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30250-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	650	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	650	
UGB-30250-S - PLACE UP TO 289 CONDUIT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE LOCATIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4760	



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

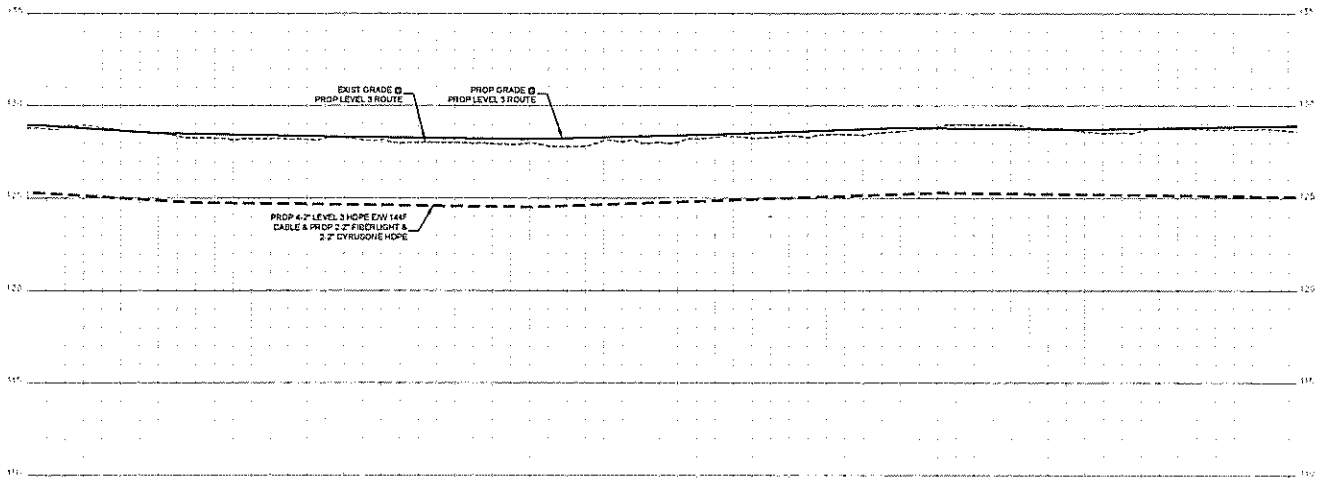
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXHIBIT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE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

Level(3)
LEVEL 3 ENGINEER
KEITH HALL
ENGINEER-IN-CHARGE
GOLDEN FIELDS SERVICE
PROJECT INCHARGE
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING DATE:
SCALE: HOR 1"=60'
SHEET 5 OF 31
CONTRACT/ALPHA/REF/STARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE COORDINATES AS
NOTED BELOW
- 6\"/>
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
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 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
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 - BLACK W/ WHITE STRIPE
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1	3-2-16	REVISION # 1
2	11-13-15	ORIGINAL
DATE	ENG.	COMMENT

Level(3)
ENGINEERING

LEVEL 3 ENGINEER
KEITH HILL

ENGINEERING FIRM
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1033 WC ST PARK
EXTENSION - HOUSTON, TX

DRAWING MADE

SCALE: VERT. 1"=2'

SHEET SA OF 31

CSW/SEN/ALP/ROB/ST/ARY



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

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 250'
CONDUIT CTY. B
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: BORE 8-2" HOPE
- 2 PROPOSED BORE
1 CONDUIT OWNER LEVEL 3
CONDUIT LENGTH 400'
CONDUIT CTY. B
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: BORE 8-2" HOPE
- 3 CABLE (800) 144F
CABLE OWNER LEVEL 3
CABLE LENGTH 500'
- 4 CABLE (800) 144F
CABLE OWNER LEVEL 3
CABLE LENGTH 500'
NOTES: 400' 144F CABLE

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

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3-5-18		REVISED # 1
11-13-18		ORIGINAL
DRAWING		COMMENT

Level(3)
ENGINEERS

LEVEL 3 ENGINEER
KEITH HALL

ENGINEER'S FIRM
GOLDEN FELD SERVICES

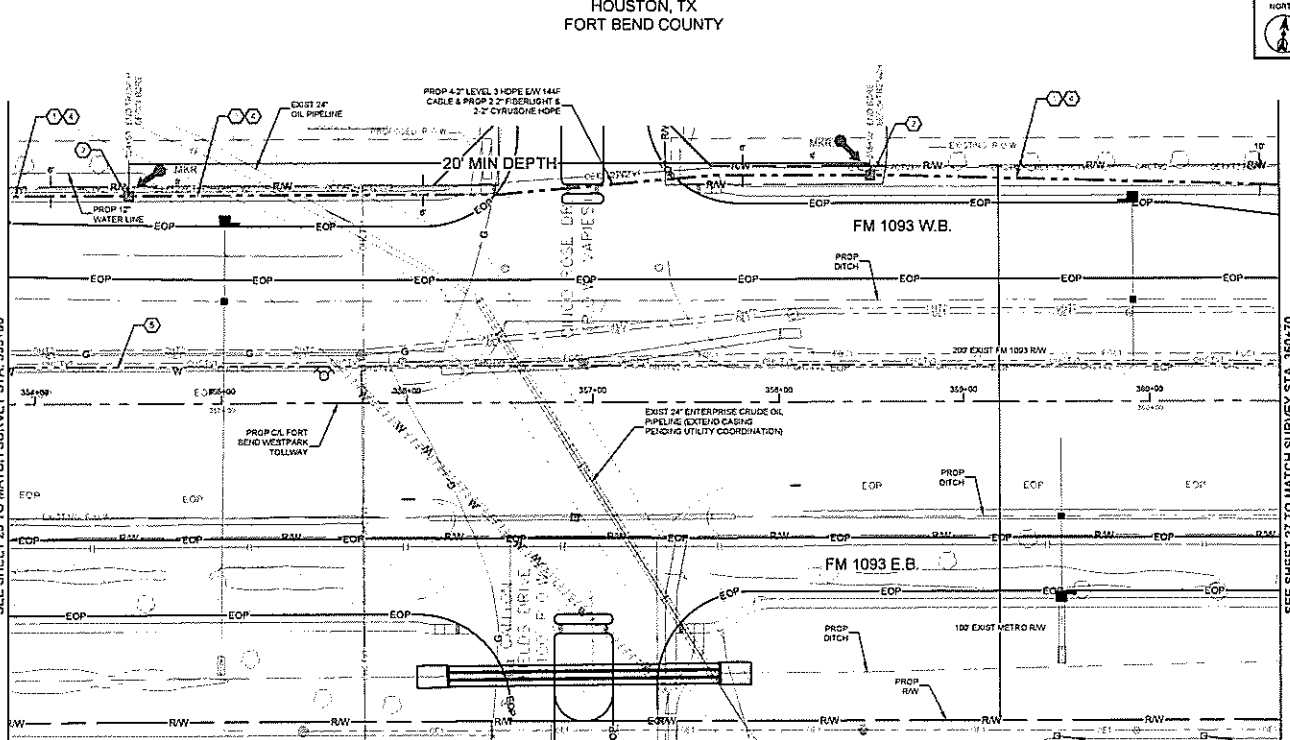
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX

DRAWING NAME

SCALE: HGR. 1"=50'

SHEET 6 OF 31

CONFIDENTIAL/PROPRIETARY



Page Make Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-2" HOPE SDR 2	FT	500	
MAT-02030 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Make Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	200	
UGB-30140-S - PLACE 1- HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	200	
UGB-30250-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30250-S - PLACE UP TO 255 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31600-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31070-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30350-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,030	
UGB-30700-S - DIR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2,800	

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



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

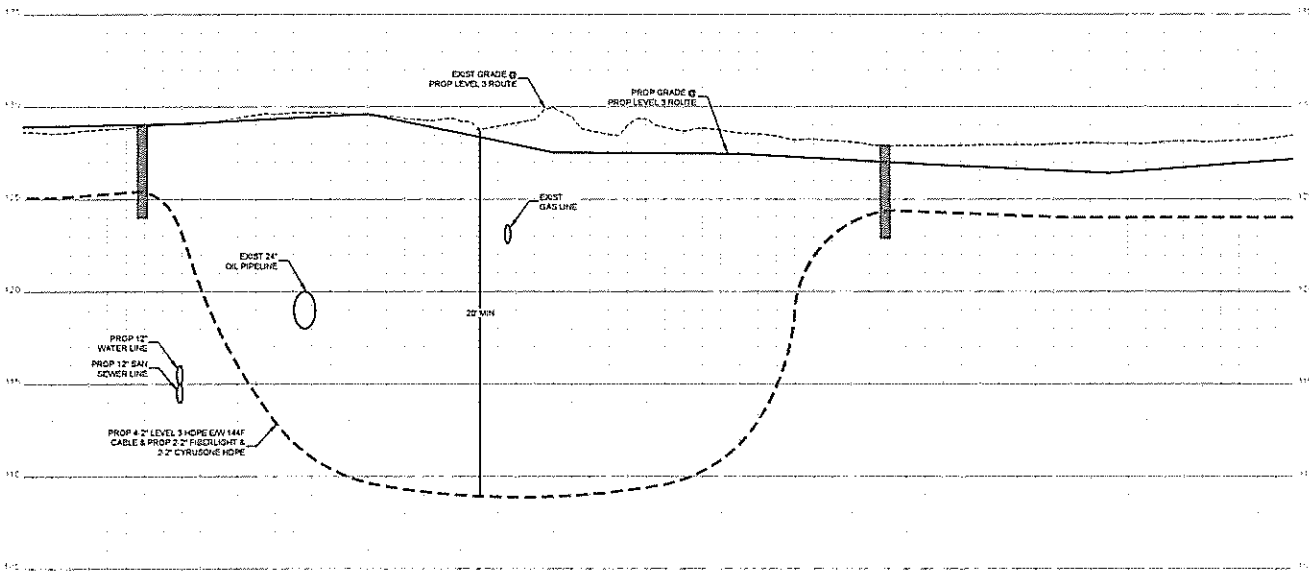
SEE SHEET 25 TO MATCH SURVEY STA. 353+80

SEE SHEET 27 TO MATCH SURVEY STA. 360+70

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE**
CONTRACTOR MUST SUPPLY ALL HOPE COLOURS AS NOTED BELOW
- 8" HOPE CONFIGURATION**
- 4" (LEVEL 0)
 - BLACK W/PURPLE STRIPE
 - BLACK W/ORANGE STRIPE
 - BLACK W/GREEN STRIPE
 - BLACK W/BROWN STRIPE
- 2" FIBERLIGHT**
- BLACK W/RED STRIPE
 - BLACK W/BLUE STRIPE
- 2" CYRUSONE**
- BLACK W/WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	ENG. DESIGN
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Level(3)
CORPORATION

LEVEL 3 ENGINEER
KETH WALL
ENGINEERING FIRM
GOLDEN FIELD SERVICES

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

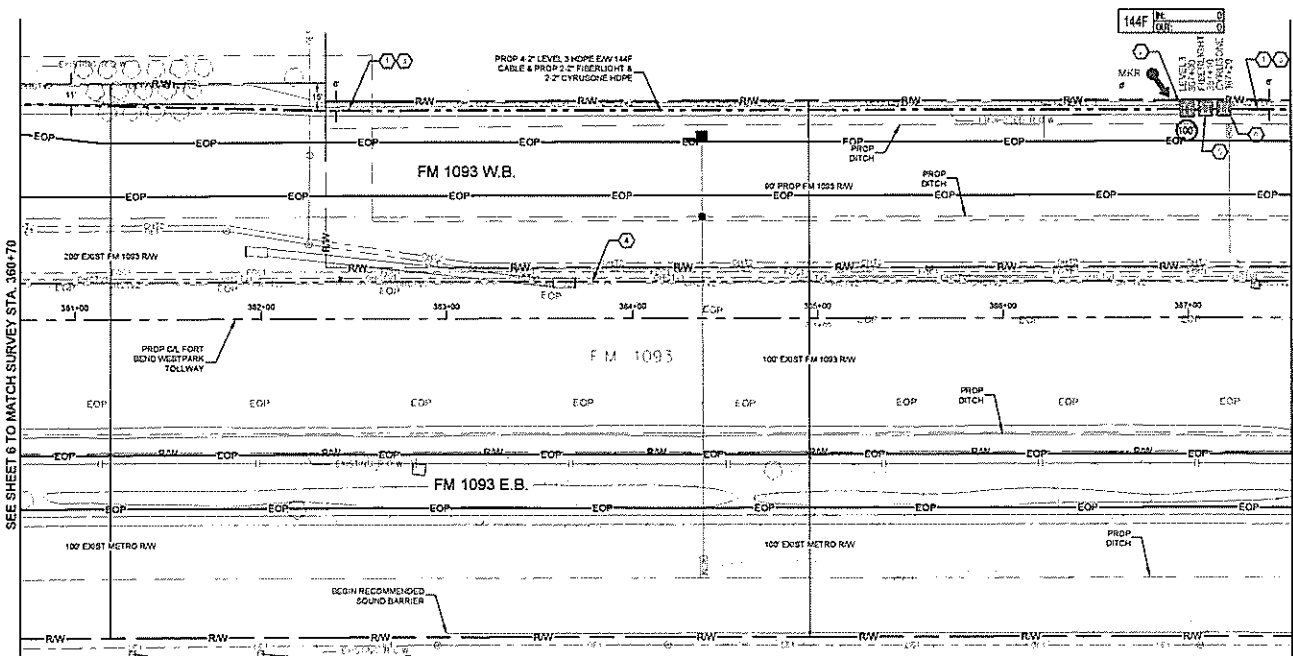
SCALE: VERT 1"=4'
SHEET GA OF 31
CONVENTIONAL PROPRIETARY



CALL BEFORE YOU DIG
1-800-545-6003
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



SEE SHEET 6 TO MATCH SURVEY STA. 360+70

SEE SHEET 9 TO MATCH SURVEY STA. 367+60

CONSTRUCTION NOTES

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

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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

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

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

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

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



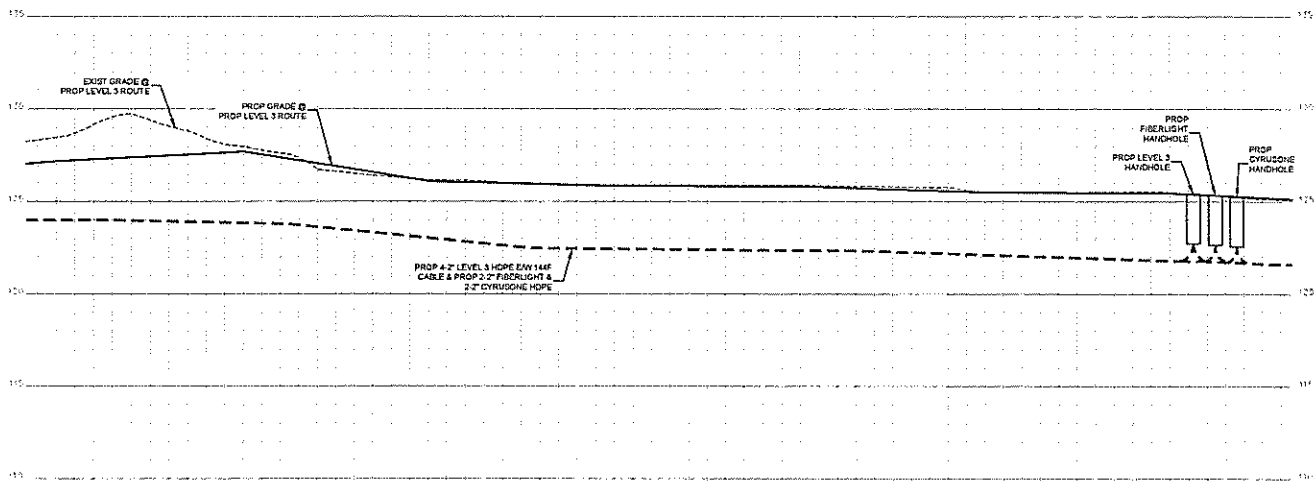
CALL BEFORE YOU DIG
1-800-4-A-DIG
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

LEVEL 3 ENGINEER
METH HALL

ENGINEERING FIRM
SOLUTION FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1023 WESTPARK
EXTENSION, HOUSTON, TX

DRAWING DATE

SCALE: VERT 1\"/>

SHEET 7A OF 31

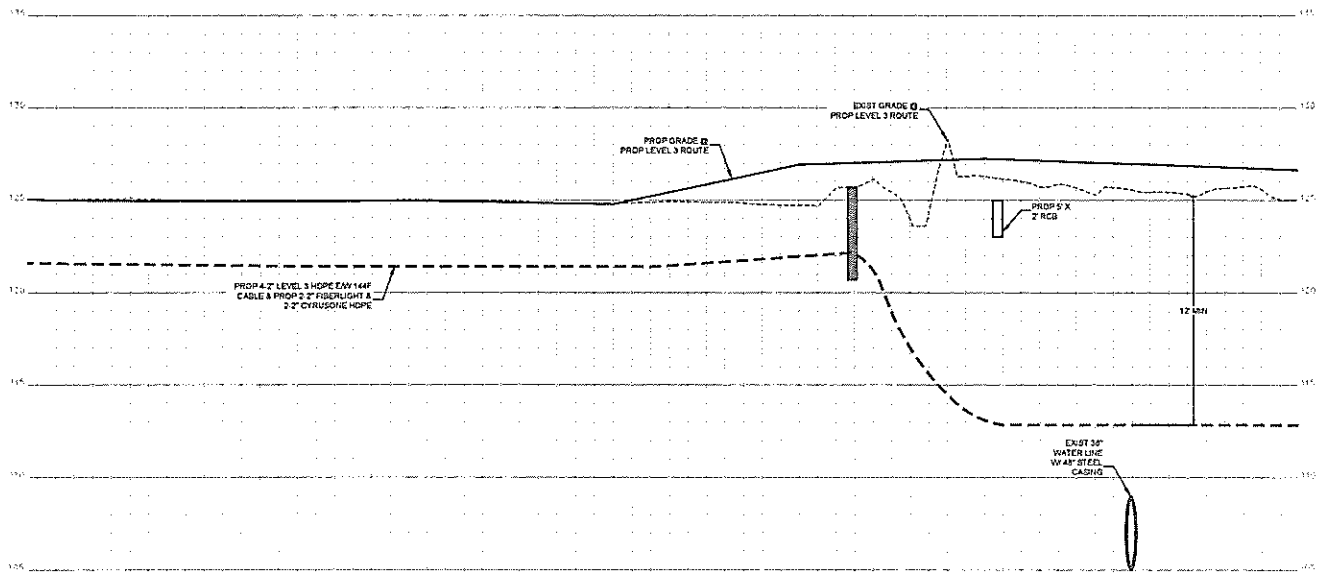
EDUCATIONAL REPRESENTATIVE

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE COORDINATE AS
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 - BLACK W/ RED STRIPE
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 - BLACK W/ WHITE STRIPE
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11-13-15		ORIGINAL
DRAWING		COMMENT



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

SCALE: VERT 1\"/>

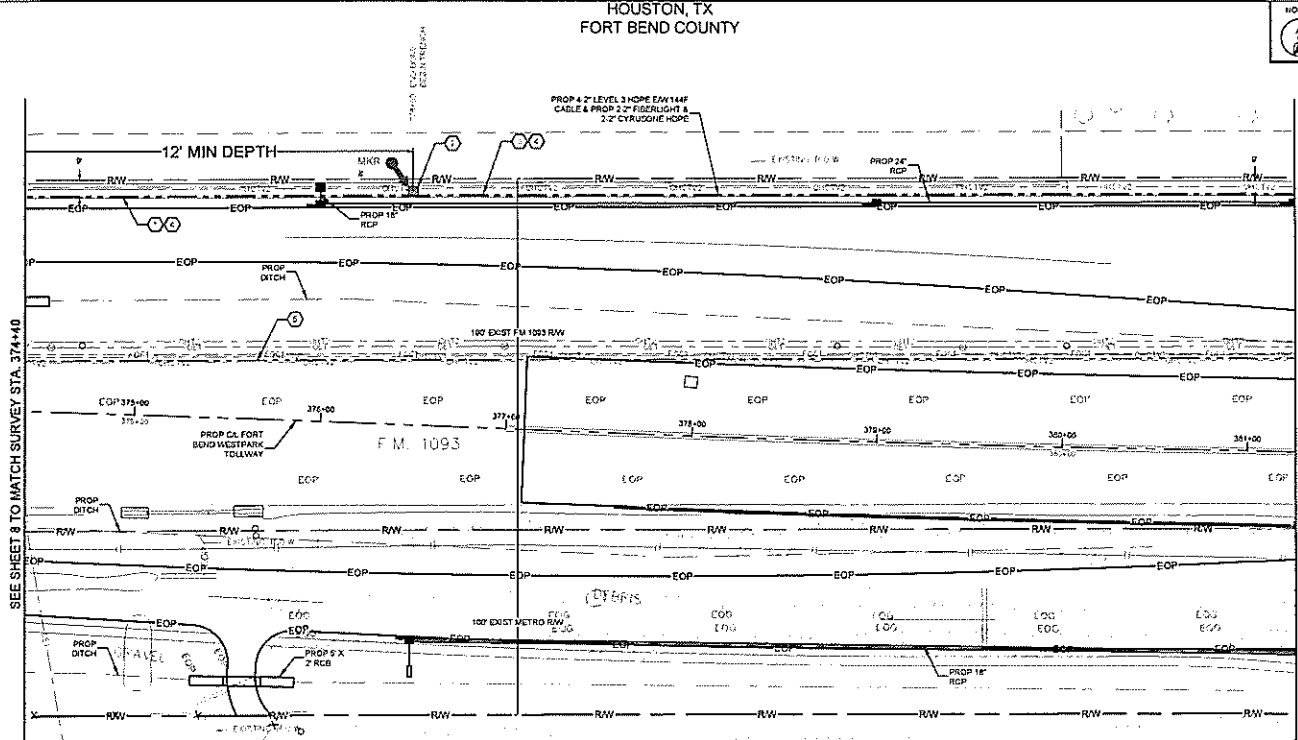
SHEET 2A OF 31
CONFIDENTIAL/PROPRIETARY

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



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

HOUSTON, TX
FORT BEND COUNTY



- CONSTRUCTION NOTES**
- CONDUIT OWNER LEVELS
CONDUIT UNDER 210'
CONDUIT CITY B
CONDUIT SIZE 2"
CONDUIT TYPE HDPE
NOTES: BENCH 8-2" HDPE
 - PROPOSED BURETS
 - CONDUIT OWNER LEVELS
CONDUIT UNDER 400'
CONDUIT CITY: B
CONDUIT SIZE 2"
CONDUIT TYPE HDPE
NOTES: BENCH 8-2" HDPE
 - CABLE PERMS: 114F
CABLE OWNER: LEVEL3
CABLE LENGTH: 500'
 - CABLE PERMS: 114F
CABLE OWNER: LEVEL3
CABLE LENGTH: 500'
NOTES: REMOVE 114F CABLE

SEE SHEET 8 TO MATCH SURVEY STA. 374+40

SEE SHEET 10 TO MATCH SURVEY STA. 381+30

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

Page Name Off - Work Performed			
Unit Code & Description	UNITS	Estimated Quantity	Actual Quantity
UGB-30255-S - TRENCH GREATER THAN 1200' TRENCH 45" MINIMUM COVER	FT	450	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	450	
UGB-30250-S - DIRECTIONAL BORE GREATER THAN 1200' 1 HDPE CONDUIT UP TO 2"	FT	210	
UGB-30250-S - PLACE UP TO 288 COUNT FOC IN CONDUIT. UP TO 1500'	FT	630	
UGB-31040-S - EXCAVATE SMALL PIT 6'X4'X2'	EA	1	
UGB-31050-S - REMOVE AND DISPOSE OF 1 114F CABLE	EA	620	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,320	
UGB-30700-S - DIR. BORE GREATER THAN 1200' ADDITIONAL CONDUIT UP TO 2"	FT	1,470	

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



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

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY ALL HOPE CONDUITS AS NOTED BELOW

8-2" HOPE CONFIGURATION

4-2" LEVEL(D)

- 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

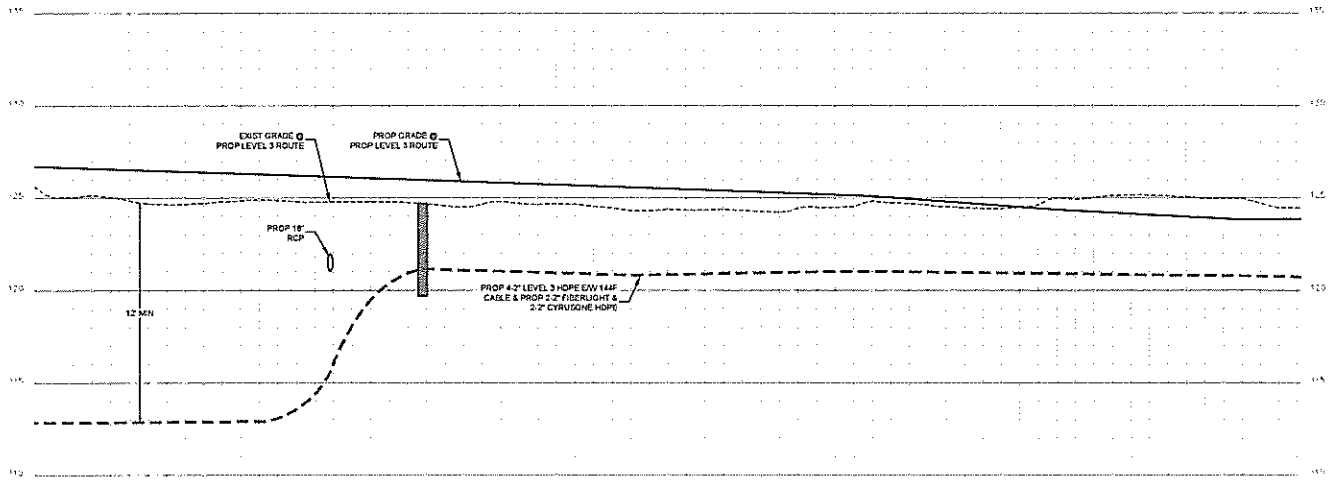
1		
2		
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4		
NO	DATE	ENG. DESIGN
1		AS-BUILT
2-3-18		REVISION # 1
11-13-13		ORIGINAL
DRAWING		COMMENT

Level3
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
SOLUTION FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NAME
SCALE: HOR. 1"=50'
SHEET 9 OF 31
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

1		
2		
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4		
NO.	DATE	END REASON
1-2-18		AS-BUILT
11-13-18		ORIGINAL
DRAWING		COMMENT

Level(3)
ENGINEERS

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: W 10590 STEPHAN
EXTENSION, HOUSTON, TX

DRAWING NAME

SCALE: VERT. 1"=5'

SHEET 9A OF 31

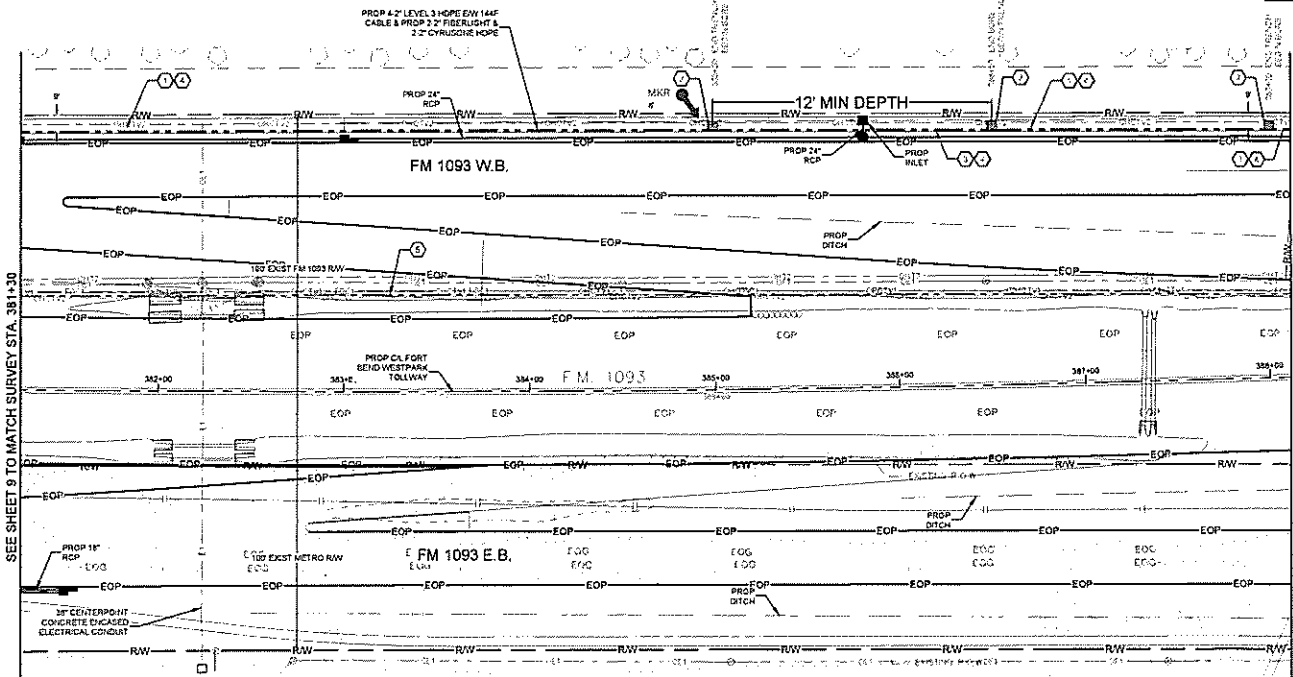
CONFIDENTIAL/PROPRIETARY

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CALL BEFORE YOU DIG
1-800-541-0205
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



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

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

SEE SHEET 9 TO MATCH SURVEY STA. 381+30

SEE SHEET 11 TO MATCH SURVEY STA. 388+10

Page Range Of - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-09100 - CONDUIT 8-2" HOPE EDR-9	FT	650	
MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Range Of - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-32250-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	520	
UGB-33140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	520	
UGB-30200-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	100	
UGB-30200-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6'x4'x2'	EA	3	
UGB-31950-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	500	
UGB-31800-S - PLACE LOCATE MARKER POST	EA	1	
UGB-32150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3 640	
UGB-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1 120	

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



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

Level(3)

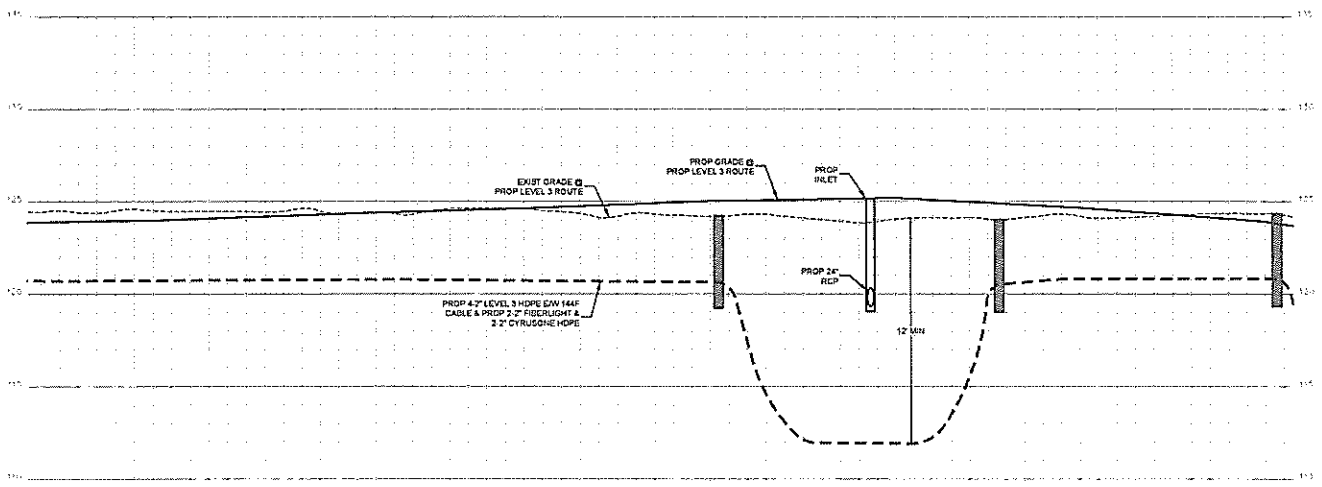
LEVEL 3 ENGINEER
KETH HALL
ENGINEERING FIRM
CONCRETE FIELD SERVICES
PROJECT NUMBER:
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING DATE:

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

8\"/>

NO	DATE	ENG. REASON
1		
2		
3		

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

PROJECT NUMBER
LOCATION FM 1033 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING NAME

SCALE VERT 1"=5'
SHEET 10A OF 31
CONFIDENTIAL/PROPRIETARY



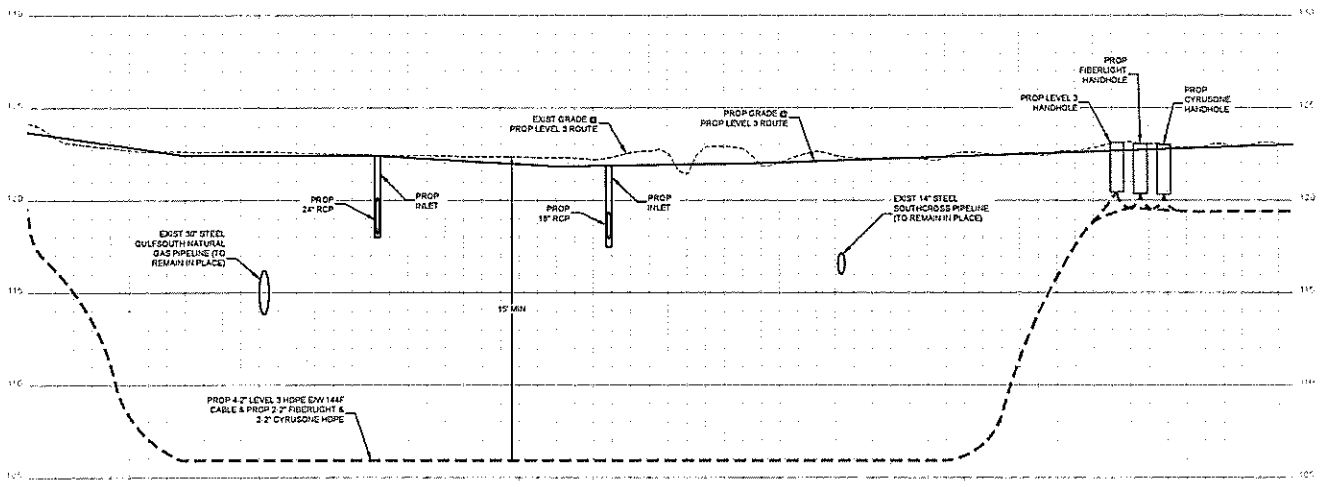
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CALL BEFORE YOU DIG
1-800-545-6005
48 HOUR NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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



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

SCALE VERT 1\"/>

SHEET 11A OF 31

CONFIDENTIAL/PROPRIETARY

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



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

HOUSTON, TX
FORT BEND COUNTY



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

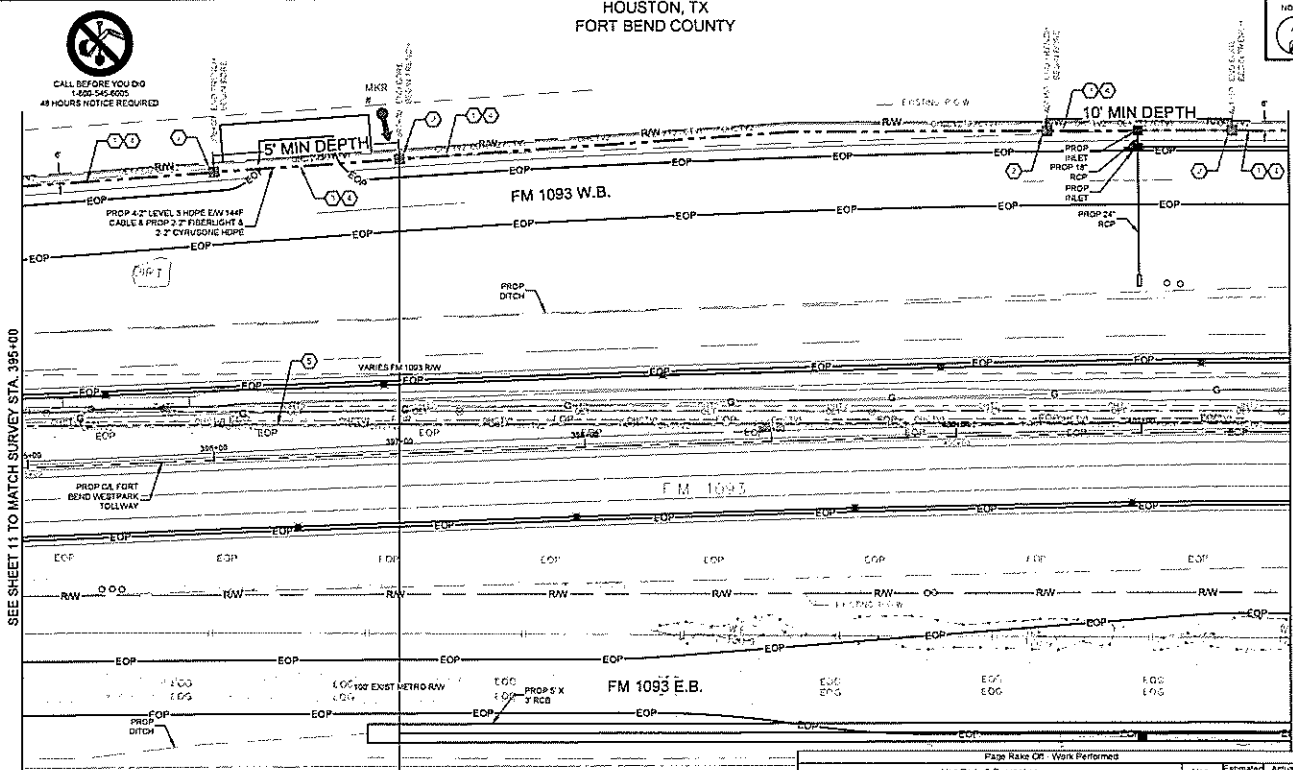


CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS
CONDUIT LENGTH 450'
CONDUIT DTY: 8
CONDUIT SIZE: 4"
CONDUIT TYPE: HDPE
NOTE: TRENCH 8-2" HDPE
- 2 PROPOSED SDR95
- 3 CONDUIT OWNER LEVELS
CONDUIT LENGTH 200'
CONDUIT DTY: 8
CONDUIT SIZE: 4"
CONDUIT TYPE: HDPE
NOTE: HOPE 3-2" HDPE
- 4 CABLE IDERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 500'
- 5 CABLE IDERS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 500'
NOTE: REMOVE 144F CABLE

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

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



SEE SHEET 11 TO MATCH SURVEY STA. 395+00

SEE SHEET 13 TO MATCH SURVEY STA. 401+80

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

Page Blank CR - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	450	
UGB-30140-S - PLACE 1" HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	450	
UGB-30890-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HDPE CONDUIT UP TO 2"	FT	200	
UGB-30950-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT EXR205	EA	4	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,300	
UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,400	

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

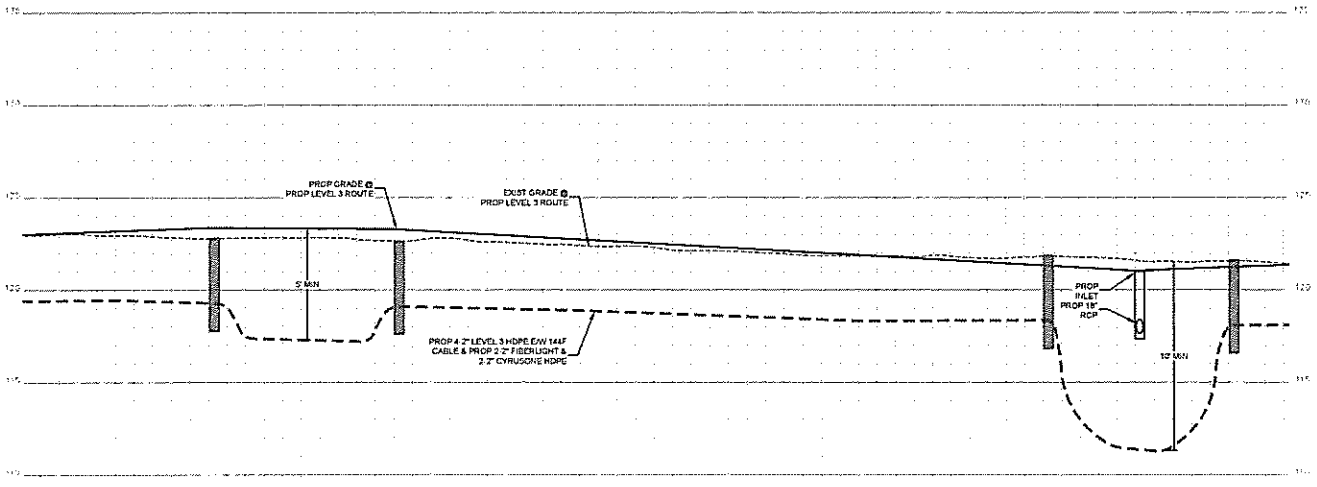
1		
2		
3		
NO.	DATE	ENG. DESIGN
1	11-18	AS-BUILT
2	11-18	REVISION 1
3	11-18-13	ORIGINAL
DATE	BY	COMMENT

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

3		
2		
1		
NO	DATE	ENG DESIGN
7-2-18		AS-BUILT
11-13-15		ORIGINAL
DRAWING		COMMENT



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

SCALE: VERT 1"=5'
SHEET 12A OF 31
EODR 000164/PROP/12/11/18

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
1-800-543-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



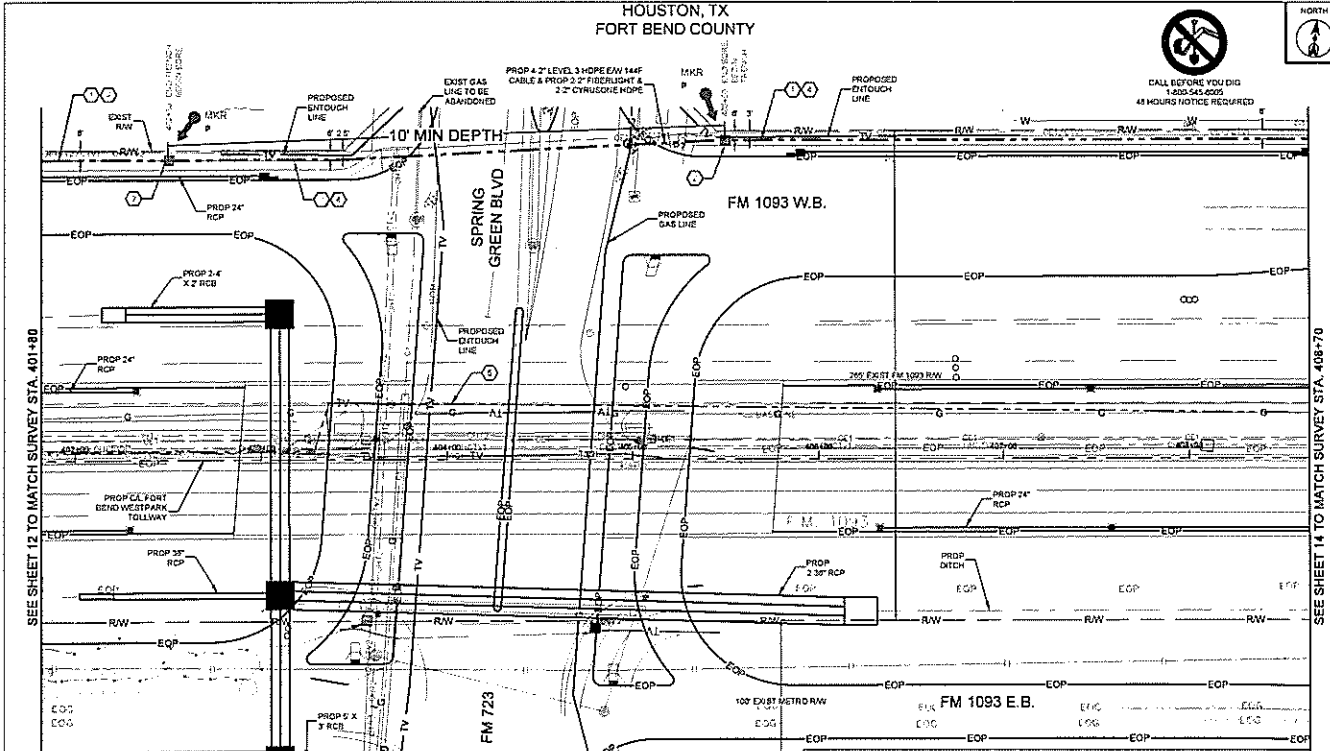
CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS
CONDUIT LENGTH 497'
CONDUIT SIZE 8"
CONDUIT TYPE 144F
NOTES: REMOVE 8-2" HOPE
- 2 PROPOSED BORE
- 3 CONDUIT OWNER LEVELS
CONDUIT LENGTH 207'
CONDUIT SIZE 8"
CONDUIT TYPE 144F
NOTES: REMOVE 8-2" HOPE
- 4 CABLE PILES: 144F
CABLE OWNER LEVELS
CABLE LENGTH 697'
- 5 CABLE PILES: 144F
CABLE OWNER LEVELS
CABLE LENGTH 697'
NOTES: REMOVE 144F CABLE

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

8" HOPE CONFIGURATION

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



SEE SHEET 12 TO MATCH SURVEY STA. 401+80

SEE SHEET 14 TO MATCH SURVEY STA. 408+70

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8" HOPE SDR-3	FT	600	
MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	2	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-10050-S - TRENCH GREATER THAN 1500' TRENCH 48" PREMIUM COVER	FT	450	
UGB-10140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	400	
UGB-10090-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	200	
UGB-10090-S - PLACE UP TO 288 COUNT FOD IN CONDUIT UP TO 1500'	FT	630	
UGB-11640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-11650-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-11050-S - PLACE & LOCATE MARKER POST	EA	2	
UGB-10150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,430	
UGB-10700-S - D/R BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,400	

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Level(3)
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
SOLE PROPRIETOR

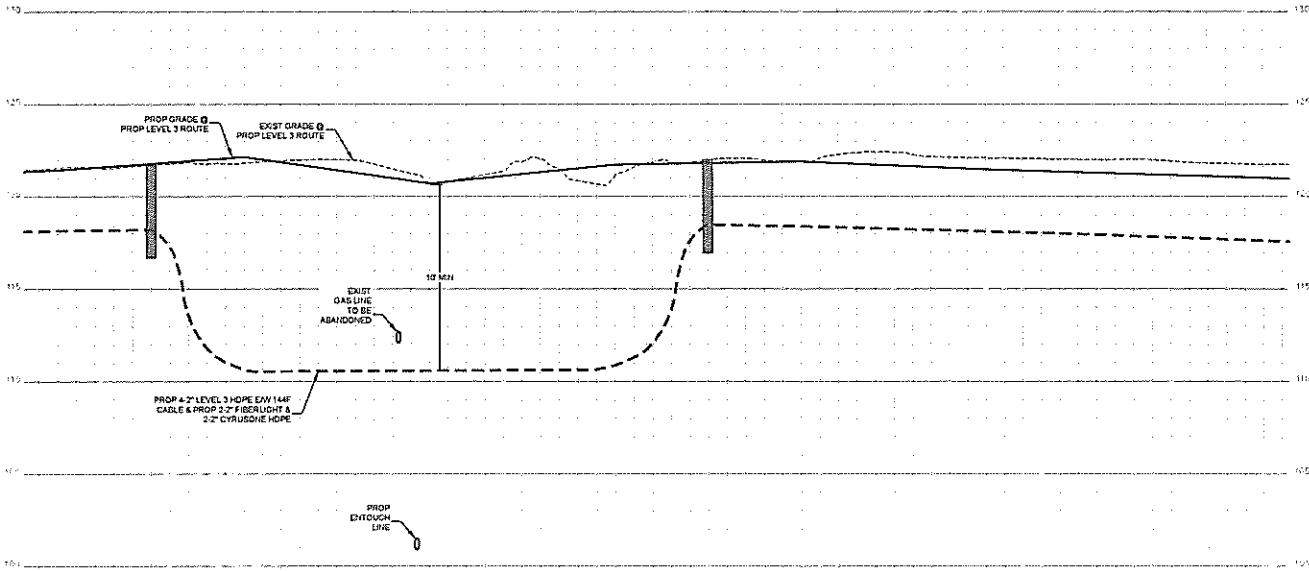
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING DATE

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

3		
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NO	DATE	END BY/ON
2-2-18		AS-BUILT
11-12-15		ORIGINAL
DRAWING	COMMENT	



LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
LOCATION FIELD SERVICES
PROJECT MANAGER
LOCATION #14103 WE ST PARK
EXTENSION HOUSTON, TX
DRAWING NAME:

SCALE VERT 1\"/>

SHEET 13A OF 31
CONFIDENTIAL/PROPRIETARY

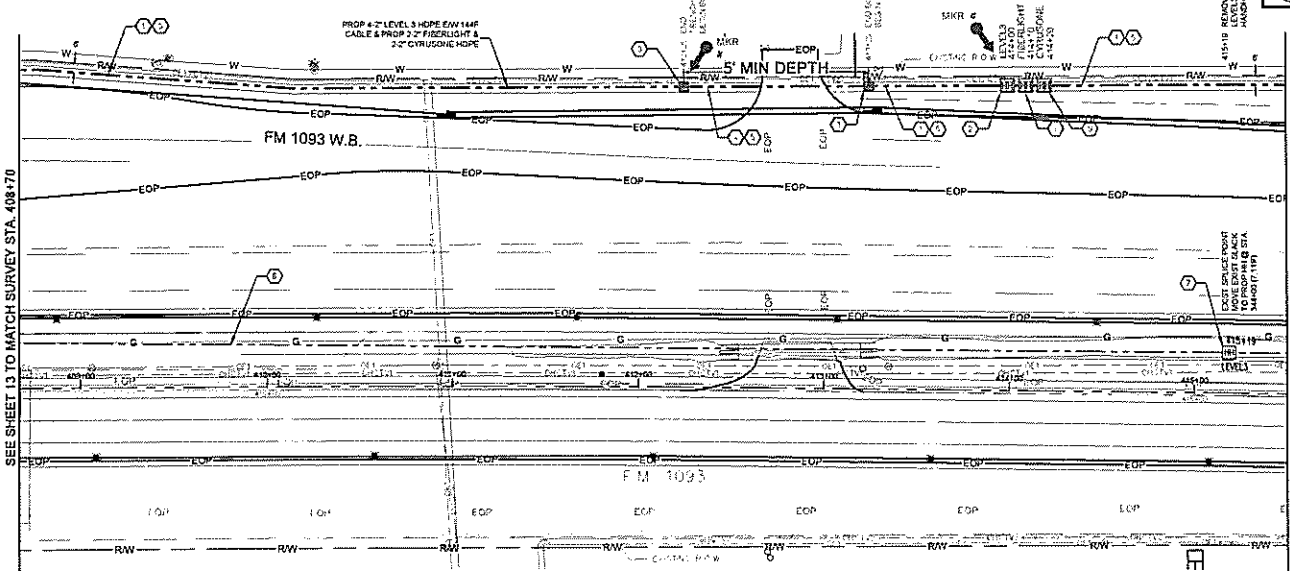
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DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



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

HOUSTON, TX
FORT BEND COUNTY

144F
REV
DATE



CONSTRUCTION NOTES

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

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

- 6\"/>
- 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

Page Break Off - Materials					
Unit Code & Description	Units	Estimated Quantity	Actual Quantity		
MAT-00120 - CONDUIT 8\"/> <tr> <td>MAT-00570 - TIER 15 30\"/> <tr> <td>MAT-92000 - WARNING TAGS AND/OR MARKERS</td> <td>EA</td> <td>2</td> <td></td> </tr> </td></tr>	MAT-00570 - TIER 15 30\"/> <tr> <td>MAT-92000 - WARNING TAGS AND/OR MARKERS</td> <td>EA</td> <td>2</td> <td></td> </tr>	MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	2	
MAT-00570 - TIER 15 30\"/> <tr> <td>MAT-92000 - WARNING TAGS AND/OR MARKERS</td> <td>EA</td> <td>2</td> <td></td> </tr>	MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	2		
MAT-92000 - WARNING TAGS AND/OR MARKERS	EA	2			

Page Break Off - Work Performed																			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity																
UGB-30250-S - TRENCH GREATER THAN 1500' TRENCH 48\"/> <tr> <td>UGB-30140-S - PLACE 1\"/> <tr> <td>UGB-30090-S - DIRECTIONAL BORE GREATER THAN 1500' 1\"/> <tr> <td>UGB-30050-S - PLACE UP TO 288 COUNT FCC IN CONDUIT UP TO 1500' (100' IN COIL)</td> <td>FT</td> <td>760</td> <td></td> </tr> <tr> <td>UGB-31570-S - PLACE NEW - 30\"/> <tr> <td>UGB-31840-S - EXCAVATE SMALL PIT 0'x4'x5'</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-31020-S - REMOVE AND DISPOSE OF 1\"/> <tr> <td>UGB-31250-S - REMOVE EXISTING - 30\"/> <tr> <td>UGB-31590-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/> <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	UGB-30140-S - PLACE 1\"/> <tr> <td>UGB-30090-S - DIRECTIONAL BORE GREATER THAN 1500' 1\"/> <tr> <td>UGB-30050-S - PLACE UP TO 288 COUNT FCC IN CONDUIT UP TO 1500' (100' IN COIL)</td> <td>FT</td> <td>760</td> <td></td> </tr> <tr> <td>UGB-31570-S - PLACE NEW - 30\"/> <tr> <td>UGB-31840-S - EXCAVATE SMALL PIT 0'x4'x5'</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-31020-S - REMOVE AND DISPOSE OF 1\"/> <tr> <td>UGB-31250-S - REMOVE EXISTING - 30\"/> <tr> <td>UGB-31590-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/> <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	UGB-30090-S - DIRECTIONAL BORE GREATER THAN 1500' 1\"/> <tr> <td>UGB-30050-S - PLACE UP TO 288 COUNT FCC IN CONDUIT UP TO 1500' (100' IN COIL)</td> <td>FT</td> <td>760</td> <td></td> </tr> <tr> <td>UGB-31570-S - PLACE NEW - 30\"/> <tr> <td>UGB-31840-S - EXCAVATE SMALL PIT 0'x4'x5'</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-31020-S - REMOVE AND DISPOSE OF 1\"/> <tr> <td>UGB-31250-S - REMOVE EXISTING - 30\"/> <tr> <td>UGB-31590-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/> <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/> </td></tr></td></tr></td></tr></td></tr></td></tr>	UGB-30050-S - PLACE UP TO 288 COUNT FCC IN CONDUIT UP TO 1500' (100' IN COIL)	FT	760		UGB-31570-S - PLACE NEW - 30\"/> <tr> <td>UGB-31840-S - EXCAVATE SMALL PIT 0'x4'x5'</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-31020-S - REMOVE AND DISPOSE OF 1\"/> <tr> <td>UGB-31250-S - REMOVE EXISTING - 30\"/> <tr> <td>UGB-31590-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/> <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/> </td></tr></td></tr></td></tr></td></tr>	UGB-31840-S - EXCAVATE SMALL PIT 0'x4'x5'	EA	2		UGB-31020-S - REMOVE AND DISPOSE OF 1\"/> <tr> <td>UGB-31250-S - REMOVE EXISTING - 30\"/> <tr> <td>UGB-31590-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/> <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/> </td></tr></td></tr></td></tr>	UGB-31250-S - REMOVE EXISTING - 30\"/> <tr> <td>UGB-31590-S - PLACE LOCATE MARKER POST</td> <td>EA</td> <td>2</td> <td></td> </tr> <tr> <td>UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/> <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/> </td></tr></td></tr>	UGB-31590-S - PLACE LOCATE MARKER POST	EA	2		UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2\"/> <tr> <td>UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/> </td></tr>	UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2\"/>
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CALL BEFORE YOU DIG
1-800-545-6000
48 HOURS NOTICE REQUIRED

Level(3)
LEVEL 3 ENGINEERING
1400 WEST 19TH STREET
HOUSTON, TX 77008

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
CONSTRUCTION SERVICES

PROJECT NUMBER

LOCATION FM 1093 WESTPARK
EAST TOWNSHIP, HOUSTON, TX

DRAWING NAME

SCALE HOR 1\"/>

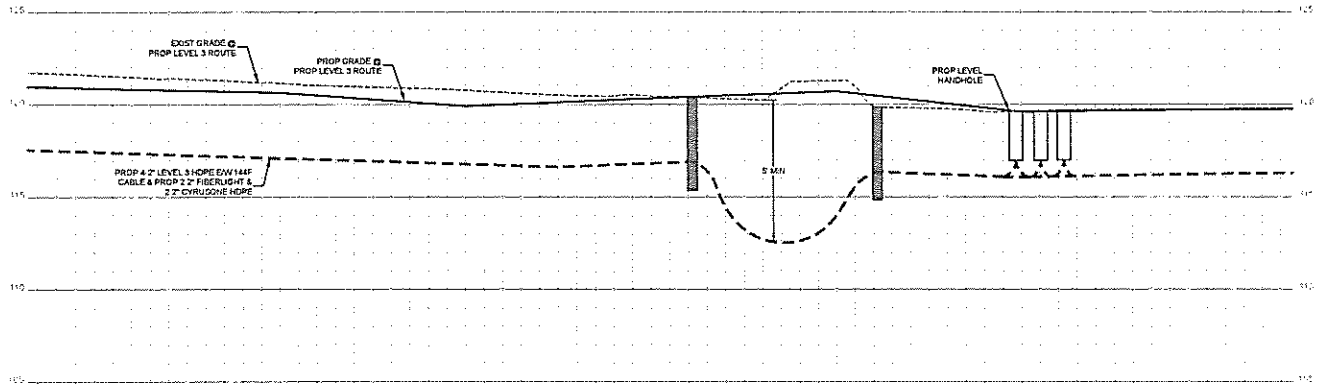
SHEET 14 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

Level(3)
CORPORATION

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

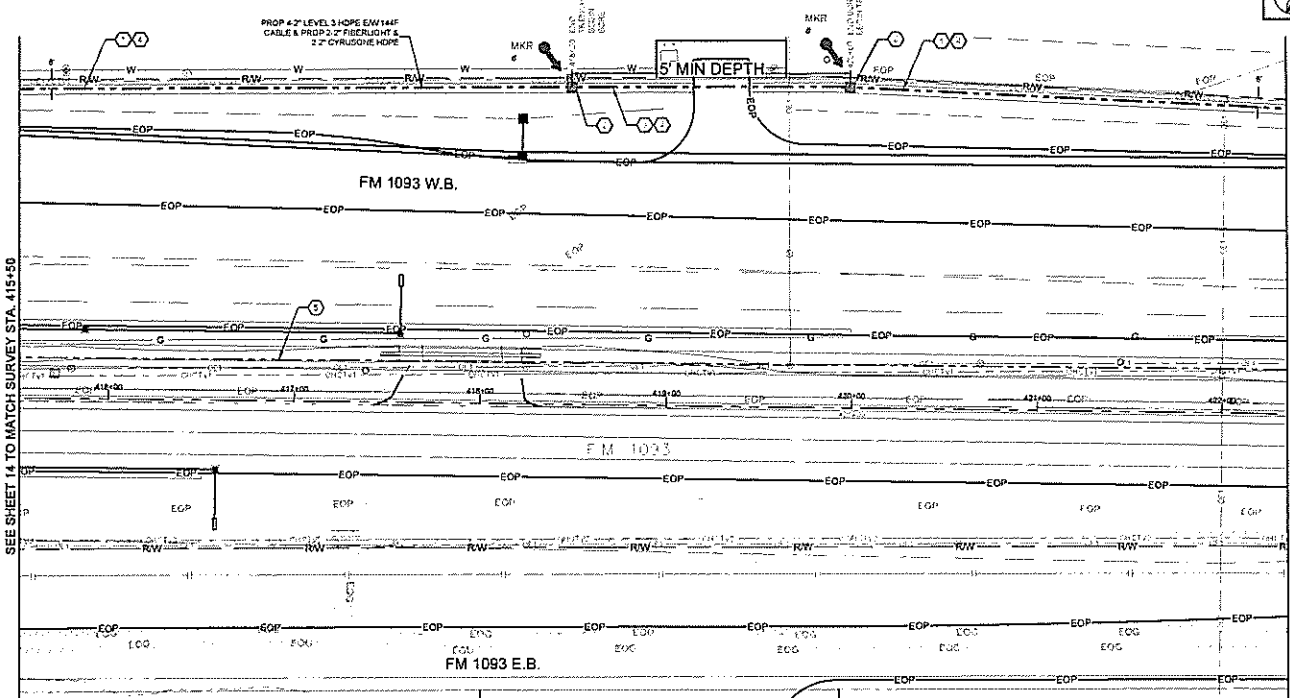
SCALE VERT 1"=5'
SHEET 14A OF 31
ES&P/ENTL/PROJ/01/01/14

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HOUSTON, TX
FORT BEND COUNTY



- CONSTRUCTION NOTES**
- CONDUIT OVER LEVELS
CONDUIT LENGTH 550'
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: TRENCH 6'-2" DEPTH
 - PROPOSED HOPE
 - CONDUIT OVER LEVELS
CONDUIT LENGTH 150'
CONDUIT SIZE 2"
CONDUIT TYPE HOPE
NOTES: BORE 8'-2" HOPE
 - CABLE PROPS: 144F
CABLE OVER LEVELS
CABLE LENGTH: 650'
 - CABLE FIBERS: 144F
CABLE OVER LEVELS
CABLE LENGTH: 650'
NOTES: RESOLVE 144F CABLE

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

SEE SHEET 14 TO MATCH SURVEY STA. 415+50

SEE SHEET 16 TO MATCH SURVEY STA. 422+30

Page Make Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-60150 - CONDUIT 8-2" HOPE SDR-9	FT	650	
MAT-92009 - 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	550	
UGB-38140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	550	
UGB-30950-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	150	
UGB-30950-S - PLACE UP TO 258 COUNT FDC IN CONDUIT UP TO 1500'	FT	650	
UGB-31640-S - EXCAVATE SMALL PIT 6X4X5	EA	2	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31050-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,710	
UGB-30700-S - D.R. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1,050	



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NO DATE	DATE	BY
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2-3-14	REVISION # 1	
11-15-13	ORIGINAL	
DRAWING	COMMENT	

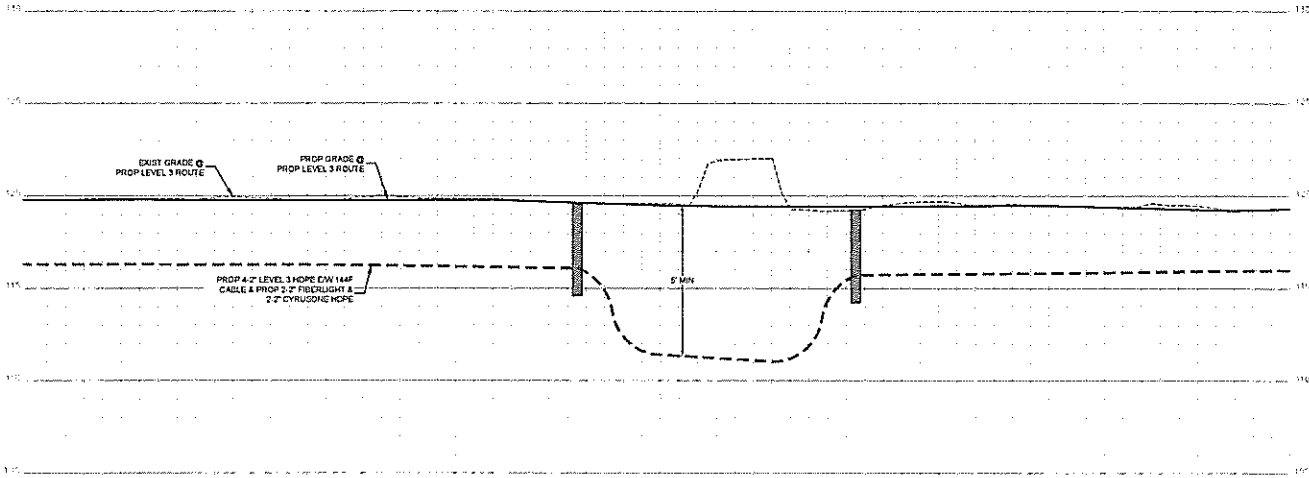
Level(3)
LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
CONCRETE FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING DATE

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW
- 8.2" HOPE CONFIGURATION
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 - BLACK W/ BROWN STRIPE
- 2.2" FIBERLIGHT
- BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 3.2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	END REASON
1		
2		
3		
4		

Level(3)
ENGINEERING

LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
500 BISH FIELDS SERVICES
PROJECT NUMBER
LOCATION # 16103 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NAME

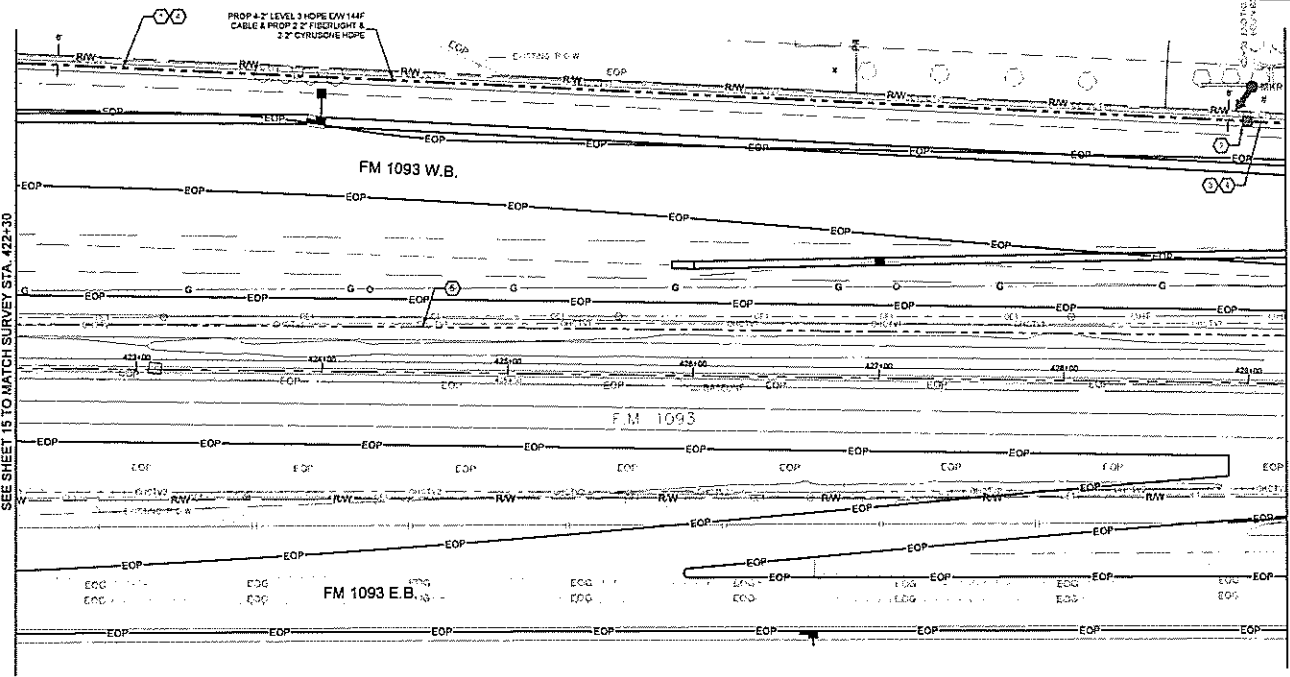
SCALE VERT 1"=5'
SHEET 15A OF 31
CONFIDENTIAL/PROPRIETARY



CALL BEFORE YOU DIG
1-800-545-6095
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX
FORT BEND COUNTY



- CONSTRUCTION NOTES**
- CONDUIT OWNER LEVELS
CONDUIT LENGTH 600'
CONDUIT SIZE 8"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HOPE
 - PROPOSED HOPE
 - CONDUIT OWNER LEVELS
CONDUIT LENGTH 600'
CONDUIT SIZE 8"
CONDUIT TYPE: HDPE
NOTES: HOPE 8-2" HOPE
 - CABLE PEGS: 144"
CABLE OWNER LEVELS
CABLE LENGTH 600'
 - CABLE PEGS: 144"
CABLE OWNER LEVELS
CABLE LENGTH 600'
NOTES: REMOVE 144" CABLE

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

SEE SHEET 19 TO MATCH SURVEY STA. 422+30

SEE SHEET 21 TO MATCH SURVEY STA. 429+20

Page Make Off - Materials

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

Page Make Off - Work Performed

Unit Code & Description	Units	ESTIMATED QUANTITY	ACTUAL QUANTITY
UGB-30350-5 - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	670	
UGB-30140-5 - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	670	
UGB-30250-5 - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	20	
UGB-30250-5 - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	600	
UGB-31640-5 - EXCAVATE SMALL PIT 2'x4'x2'	EA	1	
UGB-31020-5 - REMOVE AND DISPOSE OF 1-144" CABLE	FT	600	
UGB-31550-5 - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-5 - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,600	
UGB-30700-5 - BOR GREATER THAN 1500' ADDITIONAL HOPE UP TO 2"	FT	140	

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



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

Level(3)

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
COUNCIL FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DATE: 02/20/2024

SCALE: HOR: 1"=50'

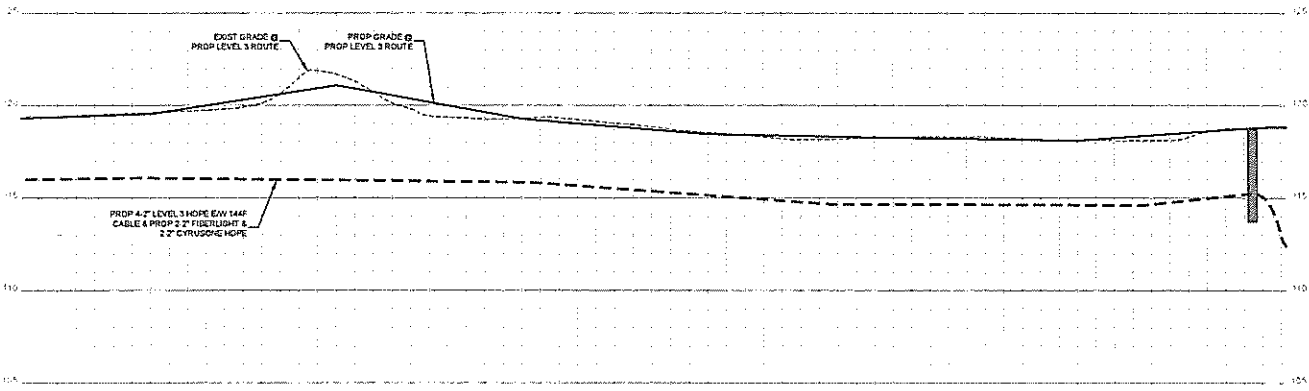
SHEET 16 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

- 6\"/>

NO.	DATE	ENG. DESIGN
1		
2		
3		

Level(3)
LEVEL 3 ENGINEER

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

SCALE: VERT 1"=5'
SHEET 16A OF 31
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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.



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1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY

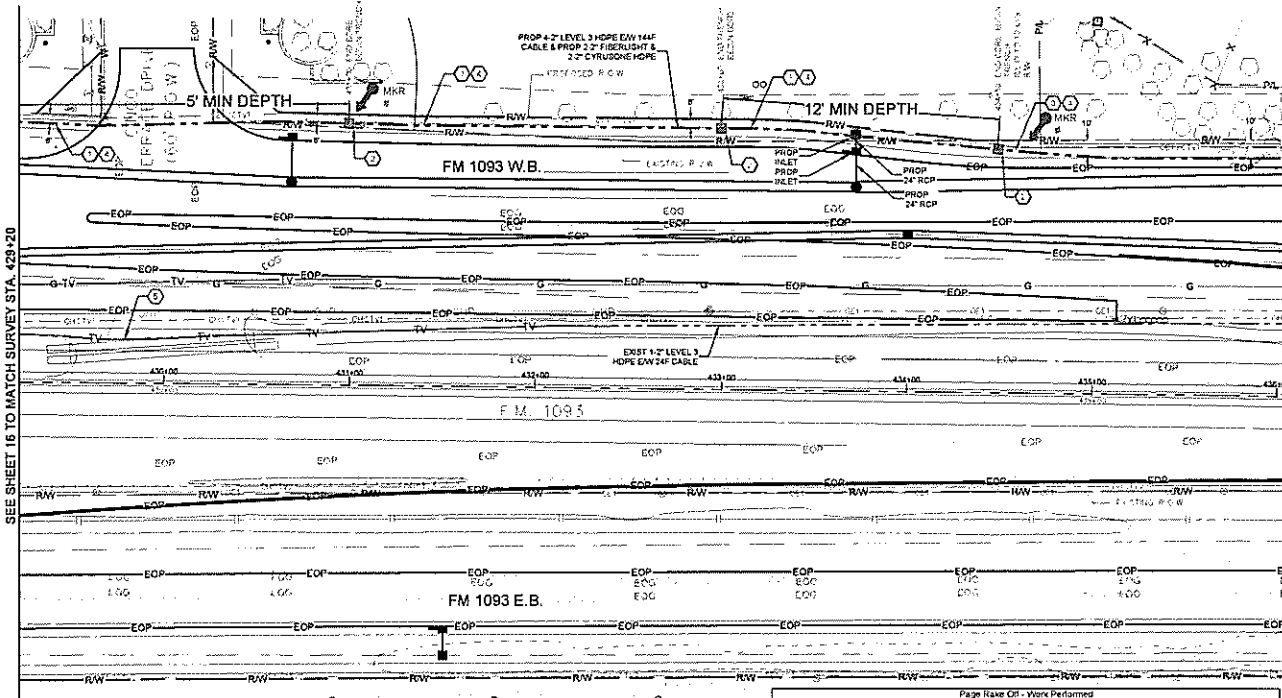


CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS
CONDUIT LENGTH 350'
CONDUIT CTS: 8
CONDUIT TYPE: HDPE
NOTES: BORE 8-1/2" HOPE
PROPOSED: 8000'
- 2 CONDUIT OWNER LEVELS
CONDUIT LENGTH 360'
CONDUIT CTS: 8
CONDUIT TYPE: HDPE
NOTES: BORE 8-1/2" HOPE
PROPOSED: 8000'
- 3 CABLE PEGS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 897'
- 4 CABLE PEGS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 897'
- 5 CABLE PEGS: 144F
CABLE OWNER LEVELS
CABLE LENGTH 897'

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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



SEE SHEET 16 TO MATCH SURVEY STA. 429+20

SEE SHEET 18 TO MATCH SURVEY STA. 438+10



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

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

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

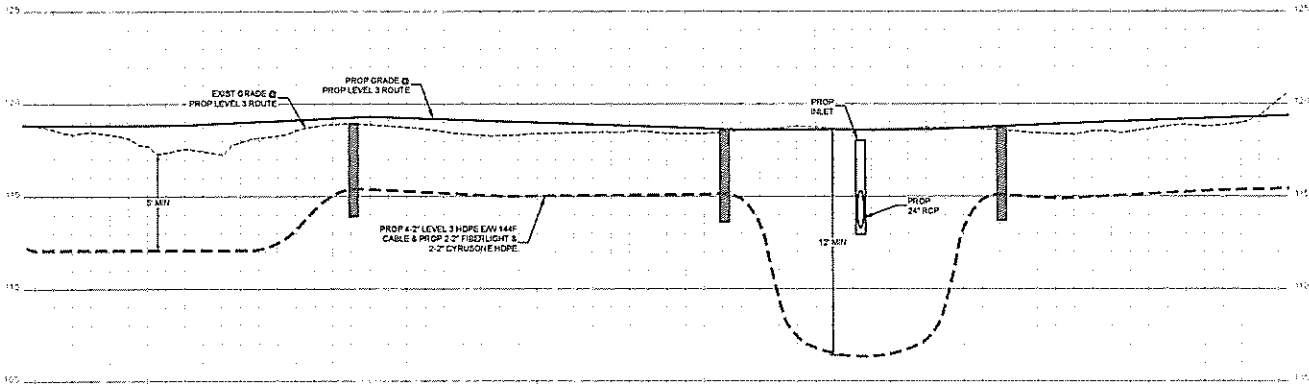
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30020-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	350	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	350	
UGB-30010-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	330	
UGB-30250-S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

Level(3)
LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
10000 FIELD SERVICES
PROJECT NUMBER
LOCATION 7810 WESTPARK
EAST TRENCH, HOUSTON, TX
DRAWING NUMBER
SCALE: HORIZ 1"=50'
SHEET 17 OF 31
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HDPE CONDUITS AS
NOTED BELOW
- 6.2\"/>

1		
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NO.	DATE	DESC. REVISION
2-2-18		AS-BUILT
11-13-15		ORIGINAL
DATE/TIME	BY	COMMENT

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

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

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

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

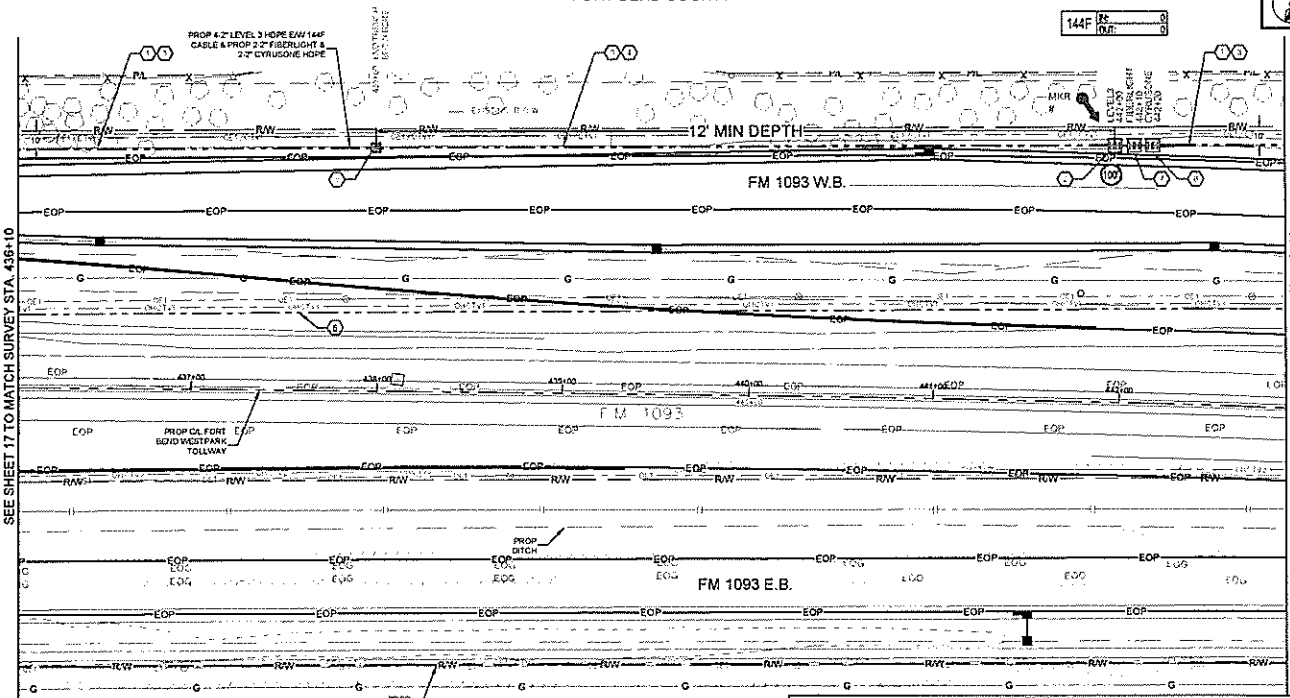
- 8-2" HOPE CONFIGURATION
4-2" LEVELS
- 9 BLACK W/ PURPLE STRIPE
- 10 BLACK W/ ORANGE STRIPE
- 11 BLACK W/ GREEN STRIPE
- 12 BLACK W/ BROWN STRIPE
- 13 2" FIBERLIGHT
- 14 BLACK W/ RED STRIPE
- 15 BLACK W/ BLUE STRIPE
- 16 2" C/RUSKONE
- 17 BLACK W/ WHITE STRIPE
- 18 BLACK W/ GREY STRIPE

NO.	DATE	END EDITION
1		
2		

NO.	DATE	REVISION #	BY	COMMENT
1	11-13-15	ORIGINAL		

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

SCALE: HOR 1"=50'
SHEET 18 OF 31
ENGINEER/DATE: PROPRIETARY



Page Name Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 8-2" HOPE EDR 6	FT	650	
MAT-00370 - TIER 15 30"X45"X30" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-02200 - WARNING TAGS AND/OR MARKERS	EA	1	



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

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Page Name Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	250	
UGB-30140-S - PLACE 1 - HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	250	
UGB-30230-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30250-S - PLACE UP TO 285 COUNT FOC IN CONDUIT UP TO 1500' (100' IN COLL)	FT	700	
UGB-31270-S - PLACE NEW 30"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-31500-S - PLACE LOCATE MARKER POST	EA	1	
UGB-32150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,900	
UGB-30700-S - D/R BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2,500	

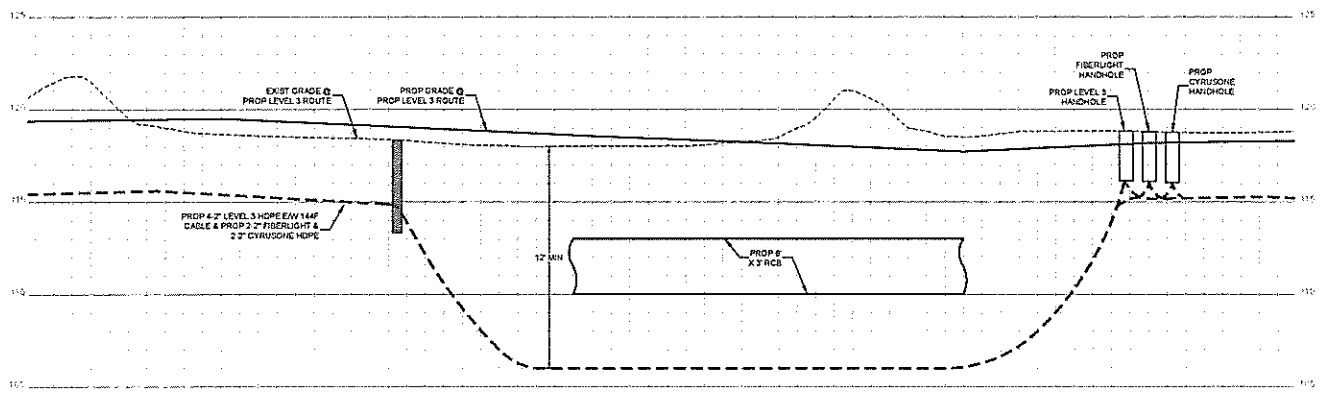
SEE SHEET 17 TO MATCH SURVEY STA. 436+10

SEE SHEET 19 TO MATCH SURVEY STA. 442+90

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE:
CONTRACTOR MUST SUPPLY
ALL HDPE COULMETS AS
NOTED BELOW
- 8\"/>
 - BLACK W PURPLE STRIPE
 - BLACK W ORANGE STRIPE
 - BLACK W GREEN STRIPE
 - BLACK W BROWN STRIPE
 - 2\"/>
 - BLACK W RED STRIPE
 - BLACK W BLUE STRIPE
 - 2\"/>
 - BLACK W WHITE STRIPE
 - BLACK W GREY STRIPE

1		
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3		
NO	DATE	END DESIGN
2-2-18		AS-BUILT
11-13-15		REVISION # 1
		ORIGINAL
DRAWING		COMMENT

Level(3)
CORPORATION

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FROM
ROCKY FIELD SERVICE

PROJECT NUMBER

LOCATION: FM 1055 WESTPARK
EXTENSION, HOUSTON, TX

DRAWING NAME

SCALE: VERT. 1"=5'

SHEET 18A OF 31

CONFIDENTIAL/PROPRIETARY



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

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1-800-545-6205
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OR HDPE LEVELS
CONDUIT UNDER EOP
CONDUIT OVER EOP
CONDUIT UNDER EOP
CONDUIT UNDER EOP
NOTE: REMOVE 8-2" HDPE
- 2 CABLE REELS: 1-144
CABLE UNDER LEVELS
CABLE UNDER EOP
- 3 CABLE REELS: 1-144
CABLE UNDER LEVELS
CABLE UNDER EOP
NOTE: REMOVE 1-144 CABLE

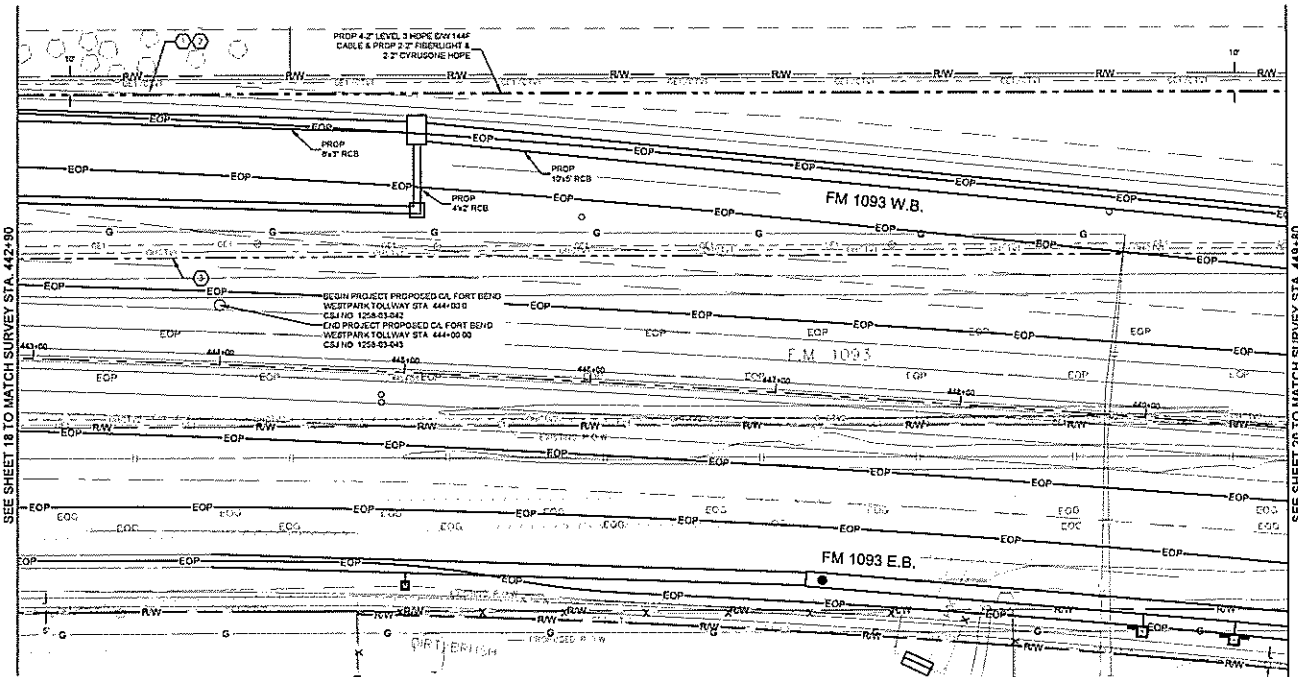
CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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

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

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

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



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

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



CALL BEFORE YOU DIG
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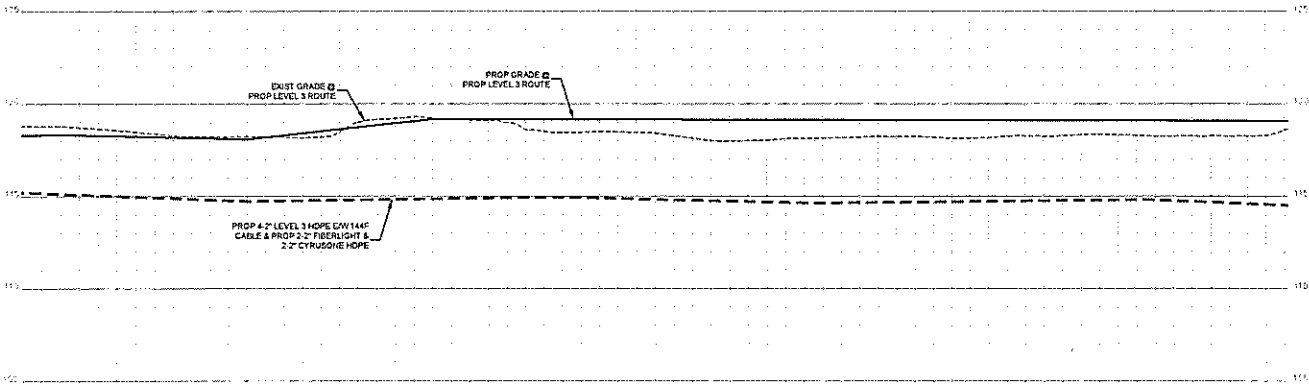
SEE SHEET 18 TO MATCH SURVEY STA. 442+90

SEE SHEET 20 TO MATCH SURVEY STA. 489+80

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

8\"/>

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

3	
2	
1	

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

DRAWING	COMMENT

Level(3)
ENGINEERS

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1033 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE: VERT 1\"/>

SHEET 10A OF 31

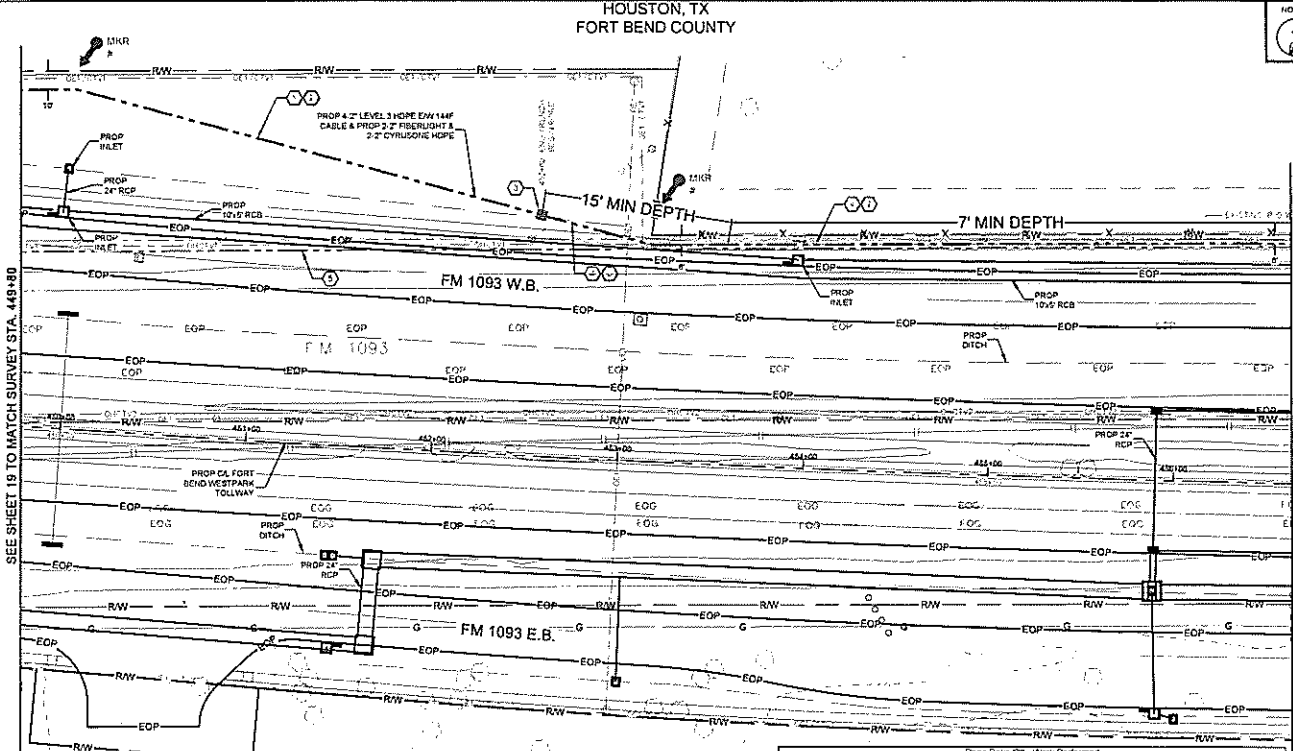
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UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR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



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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



SEE SHEET 19 TO MATCH SURVEY STA. 448+80

SEE SHEET 21 TO MATCH SURVEY STA. 456+60

CONSTRUCTION NOTES

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

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

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

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

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-33055-S - TRENCH GREATER THAN 1500' TRENCH 45" MINIMUM COVER	FT	230	
UGB-30145-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	230	
UGB-30200-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30500-S - PLACE UP TO 283 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31645-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	1	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGB-31025-S - PLACE LOCATE MARKER POST	EA	2	
UGB-33150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,950	
UGB-33700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	2,650	

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



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

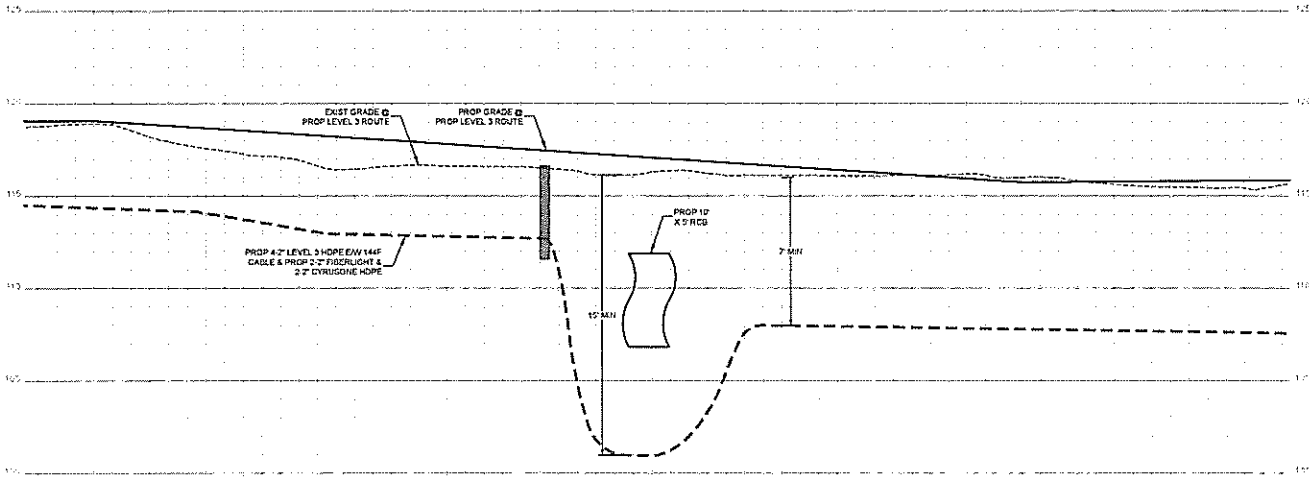
Level3
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
LOCAL FIELD SERVICES
PROJECT NUMBER
LOCATION FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING TITLE

SCALE: HORIZ. 1"=100'
SHEET 20 OF 31
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE**
CONTRACTOR MUST SUPPLY ALL HOPE CONFIGS AS NOTED BELOW
- 8\"/>**

NO.	DATE	DESCRIPTION
1		
2		
3		

Level(3)
LEVEL ENGINEER
KEITH HALL
CORNELIUS FARM
DUDSON FIELD SERVICES
PROJECT NUMBER
LOCATION 1# 1023 WESTPARK
EXTENSION, HOUSTON, TX
DRAWN/TITLE

SCALE: VERT 1"=5'
SHEET 20A OF 31
CONFIDENTIAL/PROPRIETARY

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

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

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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

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

Level(3)
ENGINEERS

LEVEL 3 ENGINEER
KEITH HULL

ENGINEERING FIRM
SOUTH FIELD SERVICES

PROJECT NUMBER

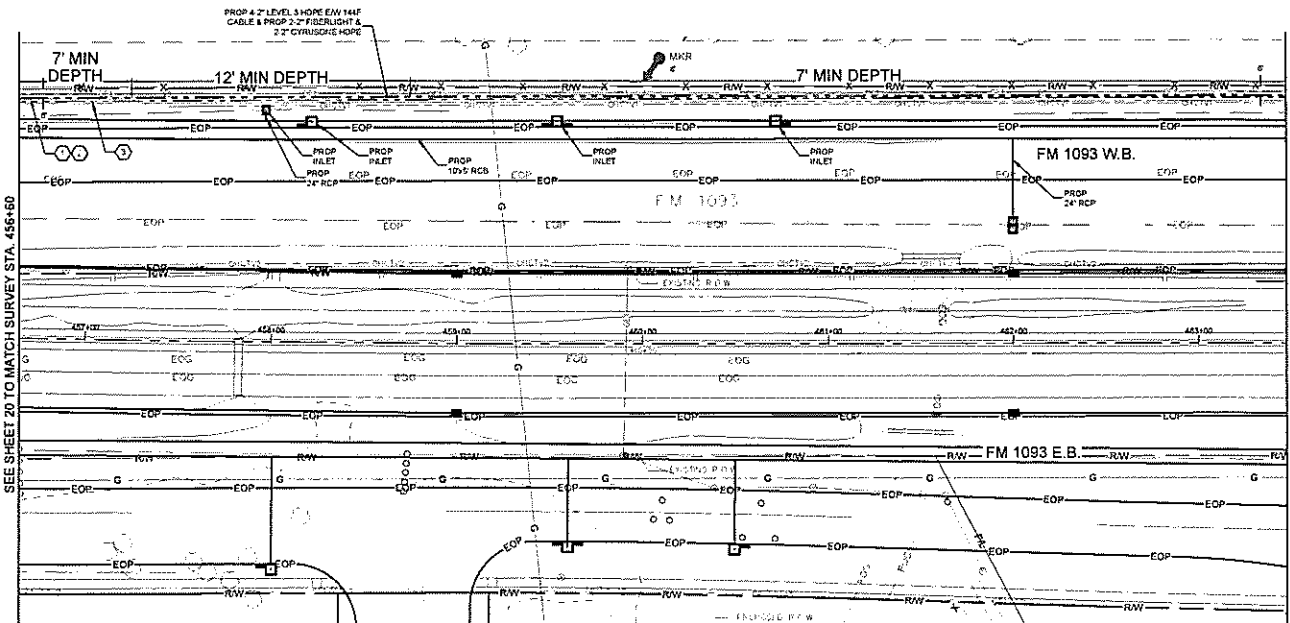
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME

SCALE: NDR 1"=50'

SHEET 21 OF 31

CDN/RENTAL/PROPRIETARY



SEE SHEET 20 TO MATCH SURVEY STA. 456+60

SEE SHEET 22 TO MATCH SURVEY STA. 453+50

Page Name OR - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8-2" HOPE SDR-9	FT	550	
MAT-90250 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Name OR - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30000-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	550	
UGB-20000-S - PLACE UP TO 288 CONDUIT FOG IN CONDUIT. UP TO 1500'	FT	550	
UGB-31000-S - REMOVE AND DISPOSE OF 1 144F CABLE	FT	550	
UGB-31950-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4,830	



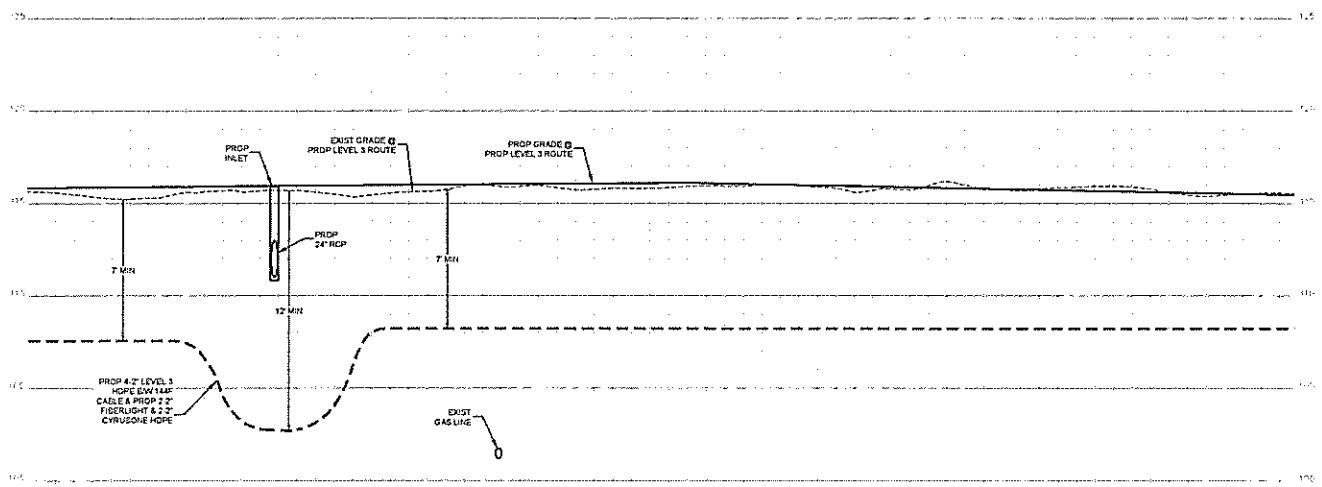
CALL BEFORE YOU DIG
1-800-54-0000
48 HOURS NOTICE REQUIRED

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE
CONTRACTOR (MUST) SUPPLY
ALL HOPE COORDINATES AS
NOTED BELOW
- 8.2" HOPE CONFIGURATION
- 4" LEVEL(D)
- BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GRAY STRIPE

1		
2		
3		
NO.	DATE	END DESIGN
2-3-18		AS-BUILT
11-13-13		ORIGINAL
DRAFTING		COMMENT

Level(3)
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
500 WEST FIELD SERVICE

PROJECT NUMBER
LOCATION: FM 1023 WESTPARK
EXTENSION, HOUSTON, TX
DRAWING NAME

SCALE: VERT 1"=4'
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.

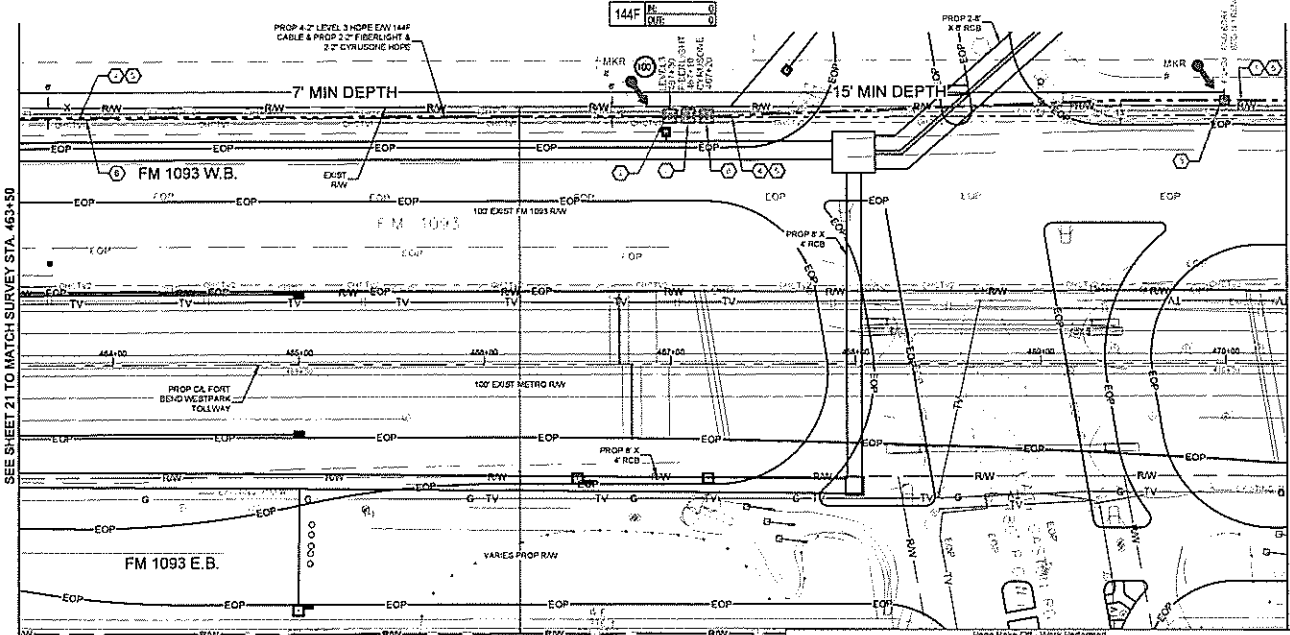


CALL BEFORE YOU DIG
1-800-545-8005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



144F
15' 0"
0'



CONSTRUCTION NOTES

- 1 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 2 LEVELS INVEHICLE
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 3 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 4 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 5 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 6 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 7 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 8 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 9 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 10 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 11 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 12 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 13 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 14 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH
- 15 CONDUIT OWNER LEVELS
CONDUIT LENGTHS BY
CONDUIT SIZE
CONDUIT TRENCH
NOTES: TRENCH 8'-2" DEPTH

SEE SHEET 21 TO MATCH SURVEY STA. 463+50

SEE SHEET 23 TO MATCH SURVEY STA. 470+50



CALL BEFORE YOU DIG
1-800-542-6005
48 HOURS NOTICE REQUIRED

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

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-80150 - CONDUIT 8" HOPE SDR 9	FT	650	
MAT-80270 - TIER 15 30"x48"x30" - WITH XNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-82020 - WARNING TAGS AND/OR MARKERS	EA	2	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30250-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	30	
UGB-30140-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	30	
UGB-30250-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	650	
UGB-30250-S - PLACE UP TO 218 CONDUIT FOG IN CONDUIT UP TO 1500' (100 IN COIL)	FT	780	
UGB-31270-S - PLACE NEW 30"x45"x36" HDY-CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT 6'x4'x3'	EA	1	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144' CABLE	FT	650	
UGB-31520-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	210	
UGB-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4550	

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

- 8" HOPE CONFIGURATION:
42" LEVEL(S)
- BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" PRECAST
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYNUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	ENG. DESIGN	AS-BUILT
1			
2			
3			

Level3
LEVEL 3 SERVICES, LLC
11111 FORT MEADE BLVD
HOUSTON, TX 77066

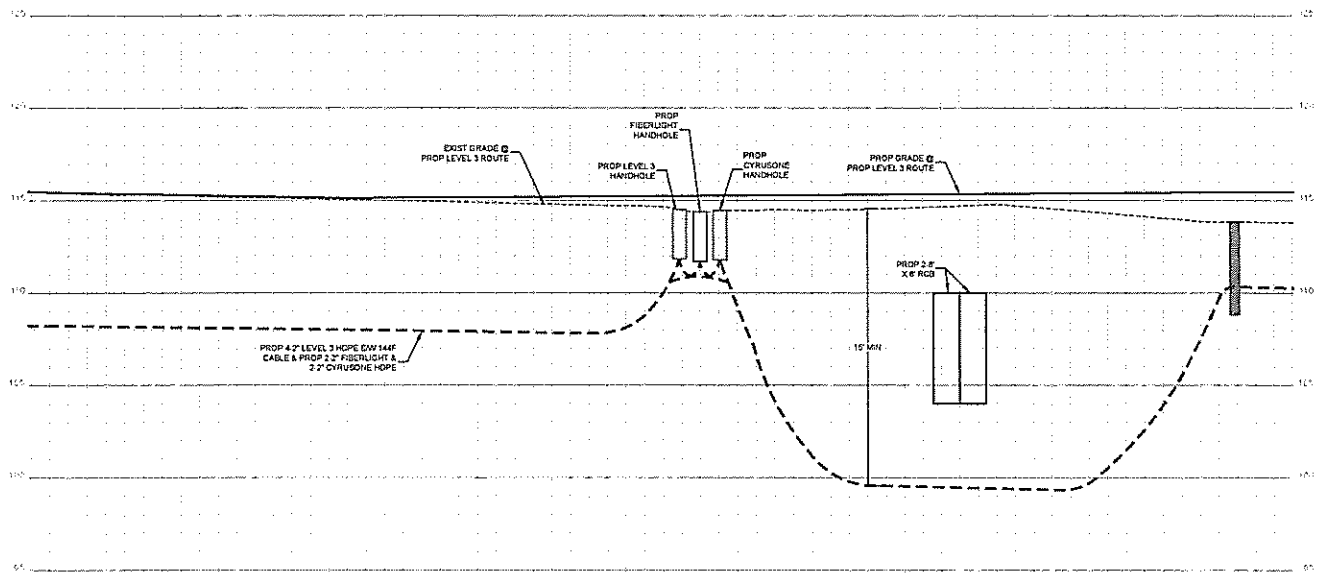
LEVEL 3 ENGINEER
KEITH HALL
ENGINEERING FIRM
SOUTHERN FIELD SERVICES
PROJECT NUMBER
LOCATION #1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NUMBER

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

NO	DATE	BY	THE DESIGN
1			
2			
3			

NO	DATE	BY	REVISION / COMMENT
1			
2			
3			

Level(3)
ENGINEERS

LEVEL 3 ENGINEER
KATH MALL

ENGINEERS FIRM
GOLDEN FIELD SERVICES

PROJECT NUMBER

LOCATION: F# 1003 WESTPARK
EXTENSION, HOUSTON, TX

DRAWING NAME

SCALE: VERT. 1"=5'

SHEET 22A OF 31

CONTRACT NO. 1003



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

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

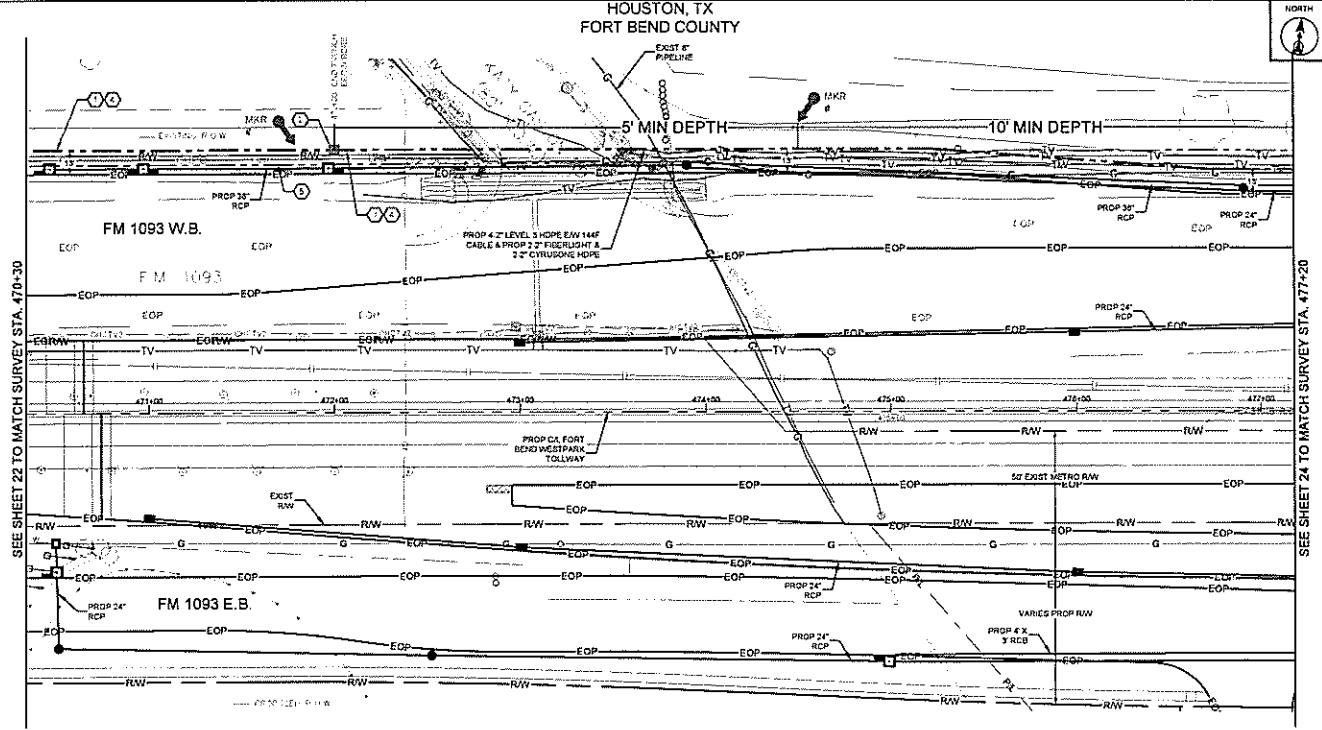
HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OVER LEVELS
CONDUIT LENGTH 177'
CONDUIT CRT: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HOPE
NOTES: BREAK 8'-2" HOPE
- 2 PROPOSED HOPE
- 3 CONDUIT OVER LEVELS
CONDUIT LENGTH 230'
CONDUIT CRT: 8
CONDUIT SIZE: 8"
CONDUIT TYPE: HOPE
NOTES: BREAK 8'-2" HOPE
- 4 CABLE PILES: 144'
CABLE OVER LEVELS
CABLE LENGTH 80'
- 5 CABLE PILES: 144'
CABLE OVER LEVELS
CABLE LENGTH 80'
NOTES: REMOVE 144' CABLE

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



SEE SHEET 22 TO MATCH SURVEY STA. 470+30

SEE SHEET 24 TO MATCH SURVEY STA. 477+20

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

Page Take Off - Work Performed				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	170		
UGB-30140-S - PLACE 1- HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	170		
UGB-30010-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	520		
UGB-30050-S - PLACE UP TO 283 COUNT FOC IN CONDUIT UP TO 1500'	FT	600		
UGB-31643-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	1		
UGB-31050-S - REMOVE AND DISPOSE OF 1-144' CABLE	FT	600		
UGB-31070-S - PLACE LOCATE MARKER POST	EA	2		
UGB-30150-S - PLACE ADDITIONAL HOPE BY OPEN TRENCH CONDUIT UP TO 2"	FT	1100		
UGB-30700-S - D/R BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	3 643		



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

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1		
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NO.	DATE	ENG. DESIGN
AS-BUILT		
2-2-16	10/20/11	1
11-13-13		ORIGINAL
DATE	TIME	COMMENT

Level(3)
LEVEL ENGINEER
KEITH HALL

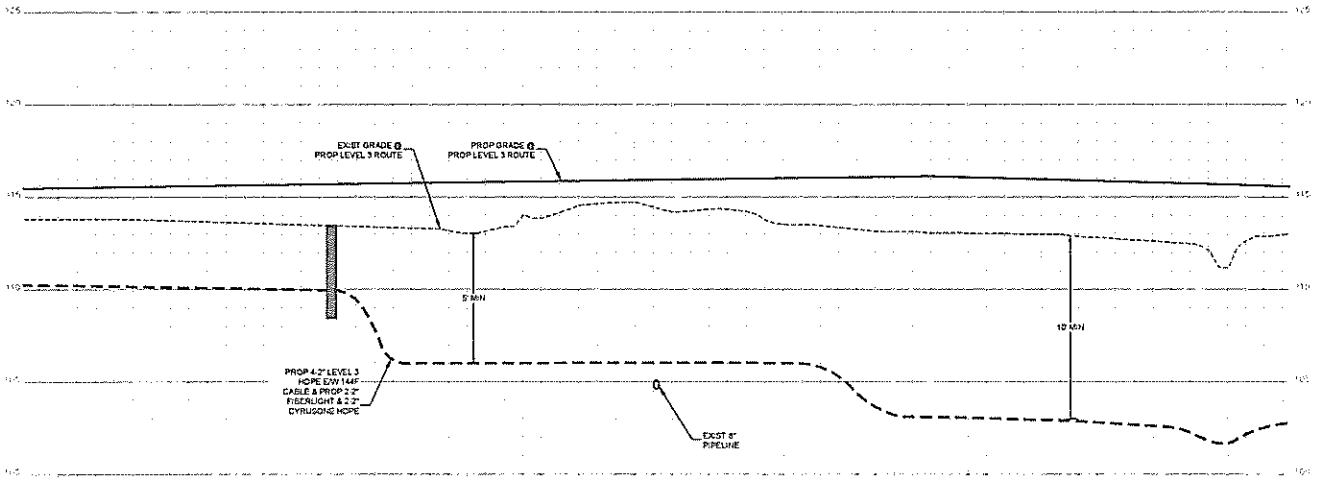
ENGINEERING PROJ
CONCRETE FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX
DRAWN/TAMM

SCALE: HDR 1"=50'
SHEET 23 OF 31
CONSENTALS/REQUIRE LARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

NO.	DATE	BY	REVISION
1			
2			



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

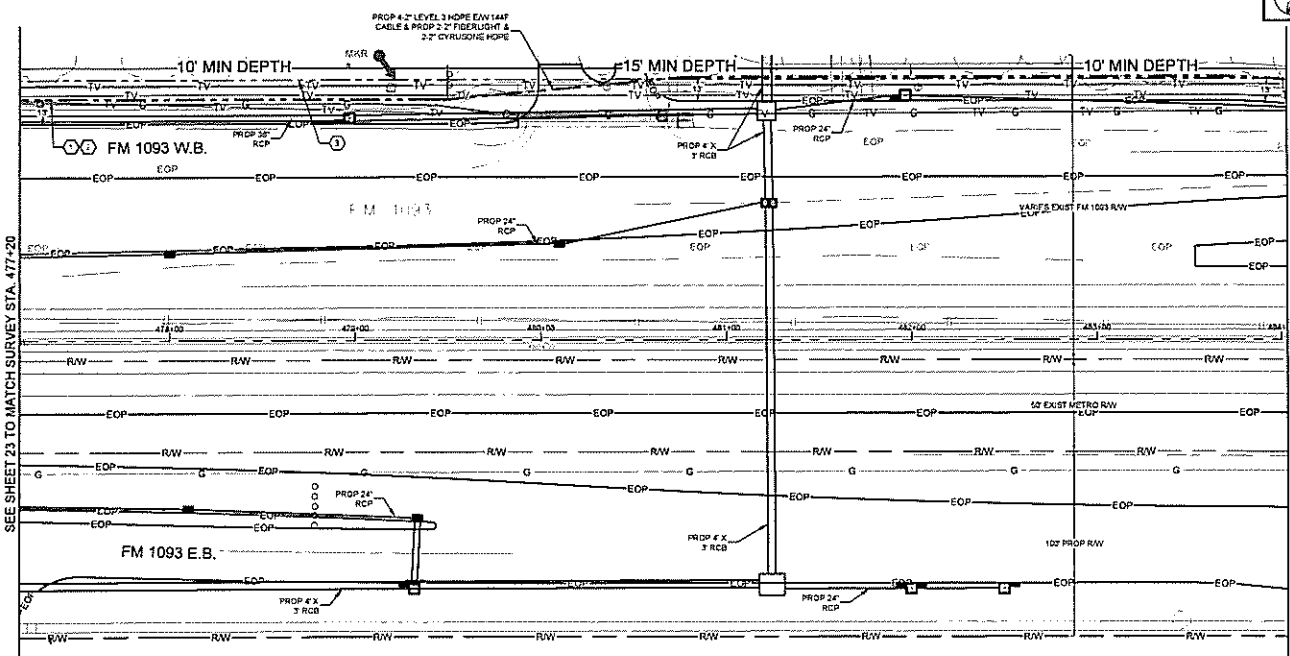
SCALE VERT 1"=5'
SHEET 23A OF 31
CONFIDENTIAL/PROPRIETARY

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

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

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

8" HOPE CONFIGURATION

- 4" LEVEL(S)
- BLACK W/ PURPLE STRIPE
- BLACK W/ ORANGE STRIPE
- BLACK W/ GREEN STRIPE
- BLACK W/ BROWN STRIPE
- 3" FIBER OPT
- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 2" CYRUSONE HOPE
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

SEE SHEET 23 TO MATCH SURVEY STA. 477+20

SEE SHEET 25 TO MATCH SURVEY STA. 484+00

Page Name Or - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-30150 - CONDUIT 8" HOPE SDR 9	FT	650	
MAT-30200 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Name Or - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGS-30500-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	650	
UGS-30600-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGS-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	650	
UGS-31900-S - PLACE LOCATE MARKER POST	EA	1	
UGS-30700-S - DIR. BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4,700	



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

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1		
2		
3		
NO.	DATE	BY THE DESIGN
1		
2-2-18		REVISION # 1
11-13-15		ORIGINAL
DATE		COMMENTS

Level3
LEVEL 3 SERVICES

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
GOLDEN FIELD SERVICES

PROJECT NUMBER

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

DRAWING TITLE

SCALE: HOR. 1"=50'

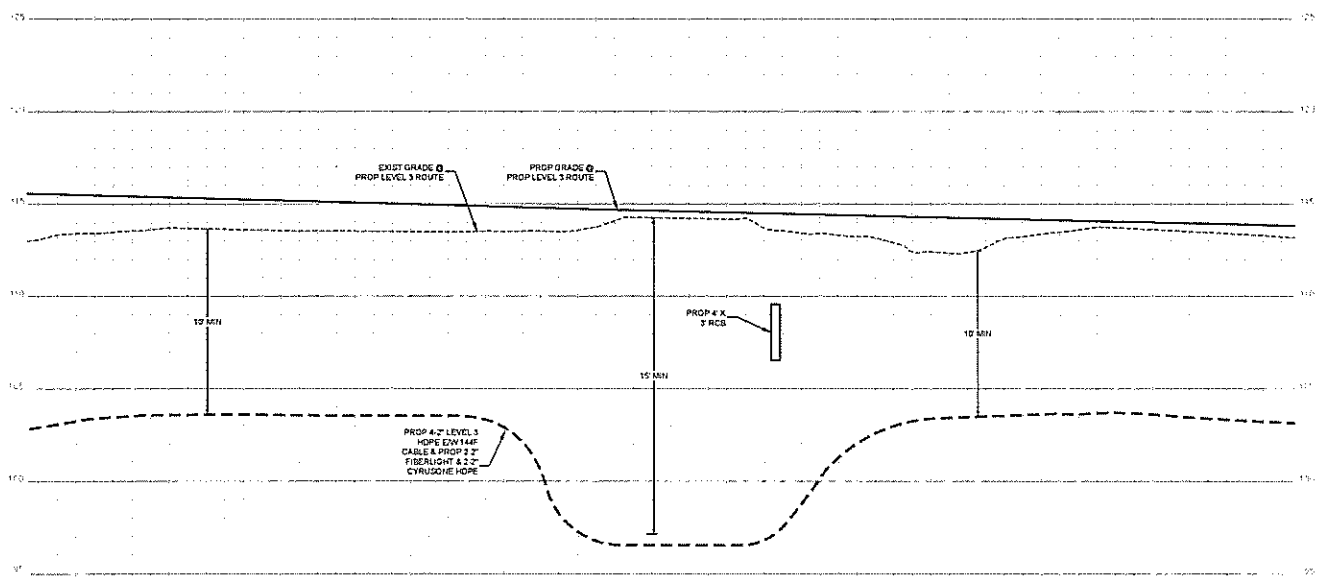
SHEET 24 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONFIGURATIONS AS
NOTED BELOW
- 6.2\"/>
 - 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
 - 2\"/>
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

3		
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NO.	DATE	WHO DESIGN
2-2-18		AS-BUILT
11-13-15		REVISION # 1
04/11/10		ORIGINAL
DATE/TIME		COMMENT

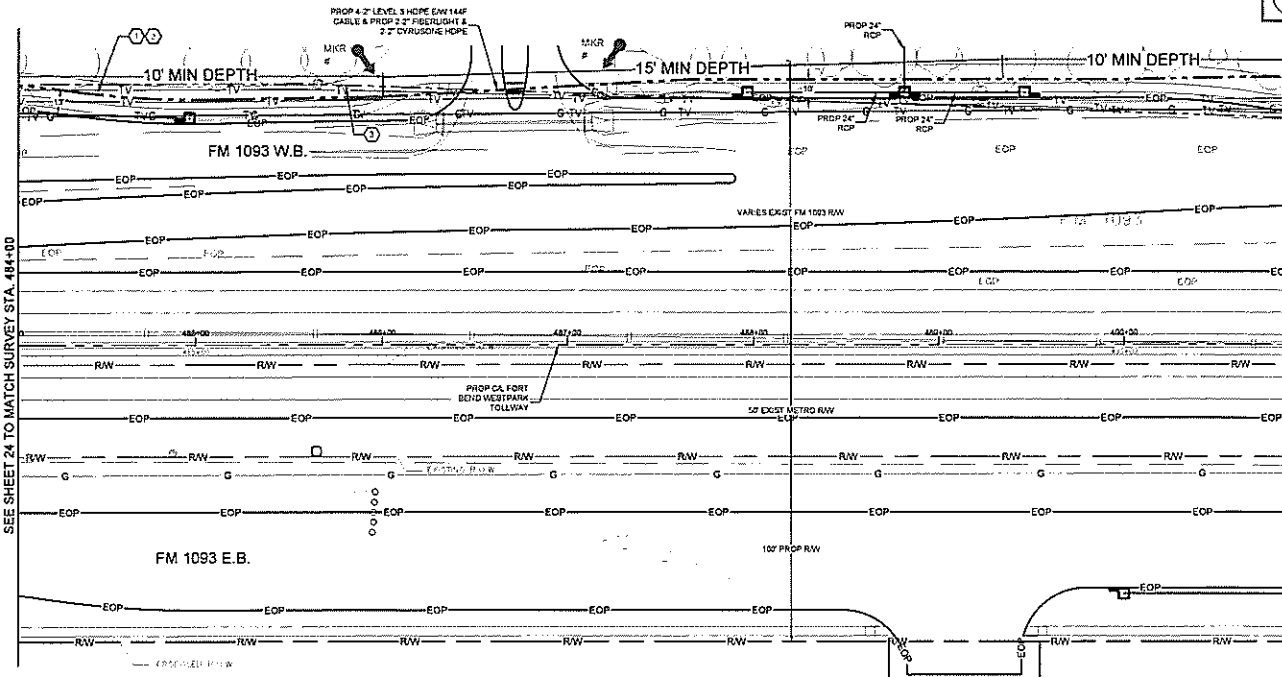
Level(3)
LEVEL ENGINEER
KEITH HALL
ENGINEERING FIRM
LOCAL FIELD SERVICES
PROJECT NUMBER
LOCATION FM 1513 W. STRAUB
EXTENSION HOUSTON, TX
DRAWING DATE
SCALE VERT 1\"/>

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

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

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

SEE SHEET 24 TO MATCH SURVEY STA. 484+00

SEE SHEET 25 TO MATCH SURVEY STA. 490+90

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

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



CALL BEFORE YOU DIG
1-800-543-5005
48 HOURS NOTICE REQUIRED

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

Level(3)
LEVEL 3 ENGINEER
KETH HALL
ENGINEERING FIRM
SOLUTION FIELD SERVICE E

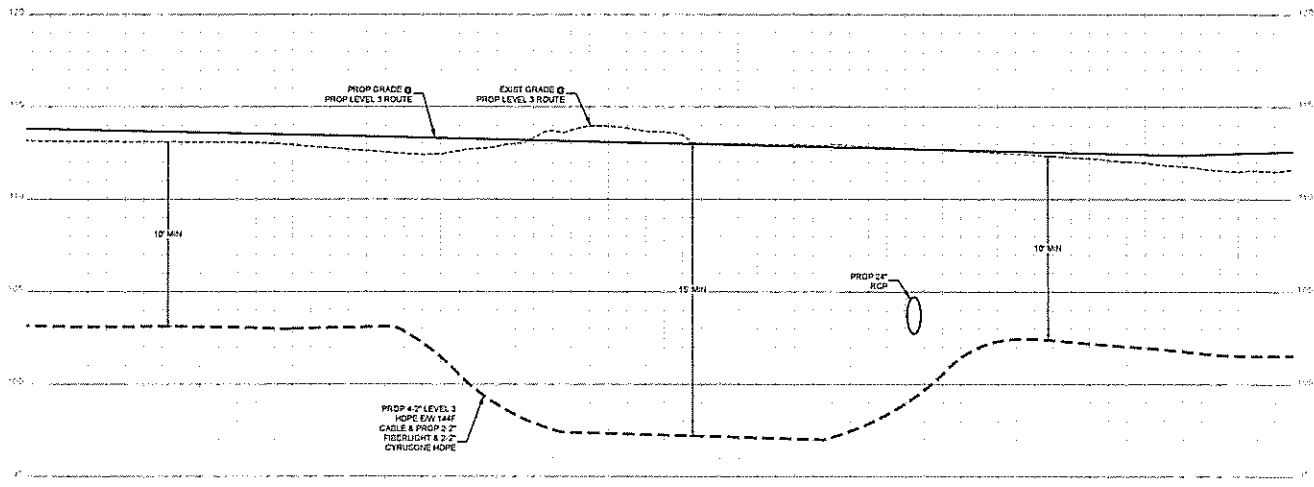
PROJECT NUMBER
LOCATION: FM 1093 W.B. STPARK
EFFERSON, HOUSTON, TX
DRAWING NAME

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

6" HOPE CONFIGURATION

4" (LEVELS)

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

2" FIBERGLASS

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

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



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

©2018 LEVEL 3 ENGINEERING

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.

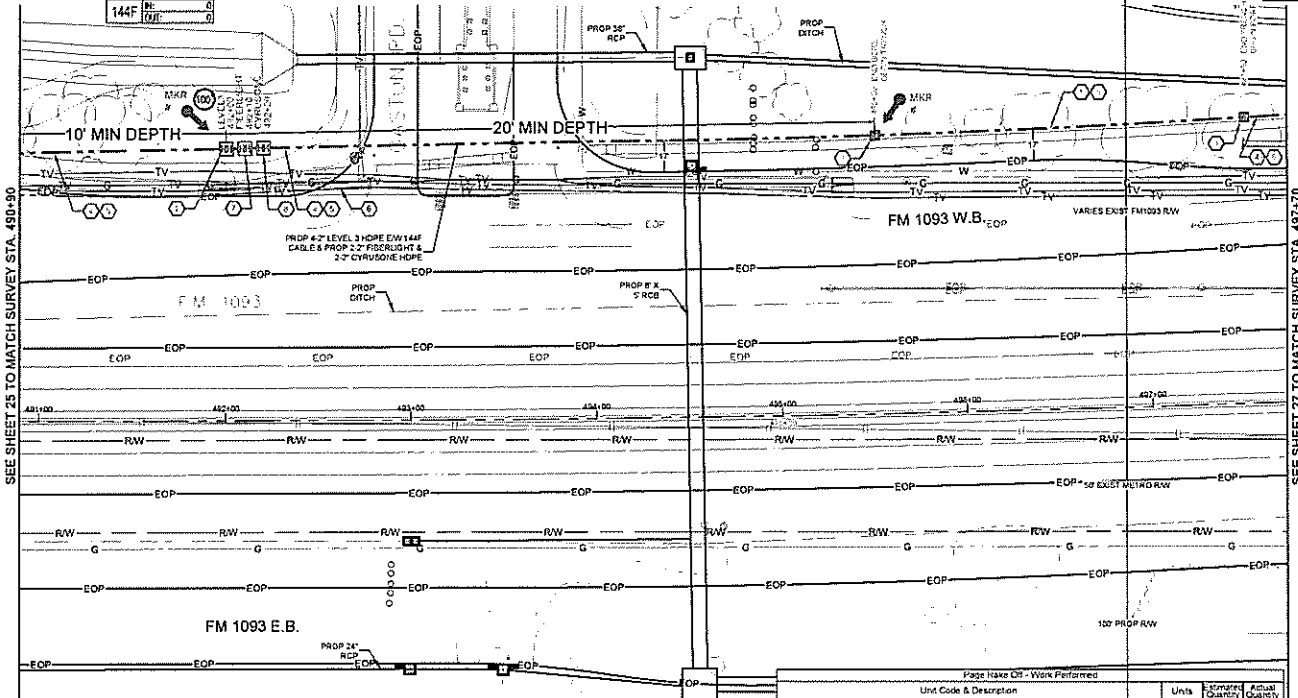


CALL BEFORE YOU DIG
1-800-545-0005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



144F
DATE: 0



SEE SHEET 25 TO MATCH SURVEY STA. 490+00

SEE SHEET 27 TO MATCH SURVEY STA. 497+70

CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT LENGTH 227'
CONDUIT 300-2"
CONDUIT TYP: HDPE
NOTES: BORE 8"-2" HOPE
2. LEVELS INADEQUATE
COR. 100' T-144F IN 181'
3. PROPOSED BORE
4. CONDUIT OWNER LEVELS
CONDUIT LENGTH 450'
CONDUIT 300-2"
CONDUIT TYP: HDPE
NOTES: BORE 8"-2" HOPE
5. CABLE TYP: 144F
CABLE OWNER LEVELS
CABLE LENGTH 500'
NOTES: REMOVE 144F CABLE
6. CABLE TYP: 144F
CABLE OWNER LEVELS
CABLE LENGTH 500'
NOTES: REMOVE 144F CABLE
7. FUTURE INADEQUATE
8. ORANGE INADEQUATE

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

- 6" HOPE CONFIGURATION
- 4" LEVEL(D)
- BLACK W/ PURPLE STRIPE
- BLACK W/ ORANGE STRIPE
- BLACK W/ GREEN STRIPE
- BLACK W/ RED/WH STRIPE
- 2" P/B BURD
- BLACK W/ RED STRIPE
- BLACK W/ BLUE STRIPE
- 2" CYRUS/OK
- BLACK W/ WHITE STRIPE
- BLACK W/ GREY STRIPE

NO	DATE	END REASON	AS-BUILT
1			
2			
3			

Level(3)
LEVEL ENGINEER
KATH HALL
ENGINEERING FIRM
GOLDEN FIELDS SERVICES

PROJECT NUMBER
LOCATION: FM 1093 W.B. PARK
EXTENSION - HOUSTON, TX
DRAWING TITLE

SCALE: HOR. 1"=40'
SHEET 26 OF 31
CONFIDENTIAL/PROPRIETARY



CALL BEFORE YOU DIG
1-800-368-5899
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.

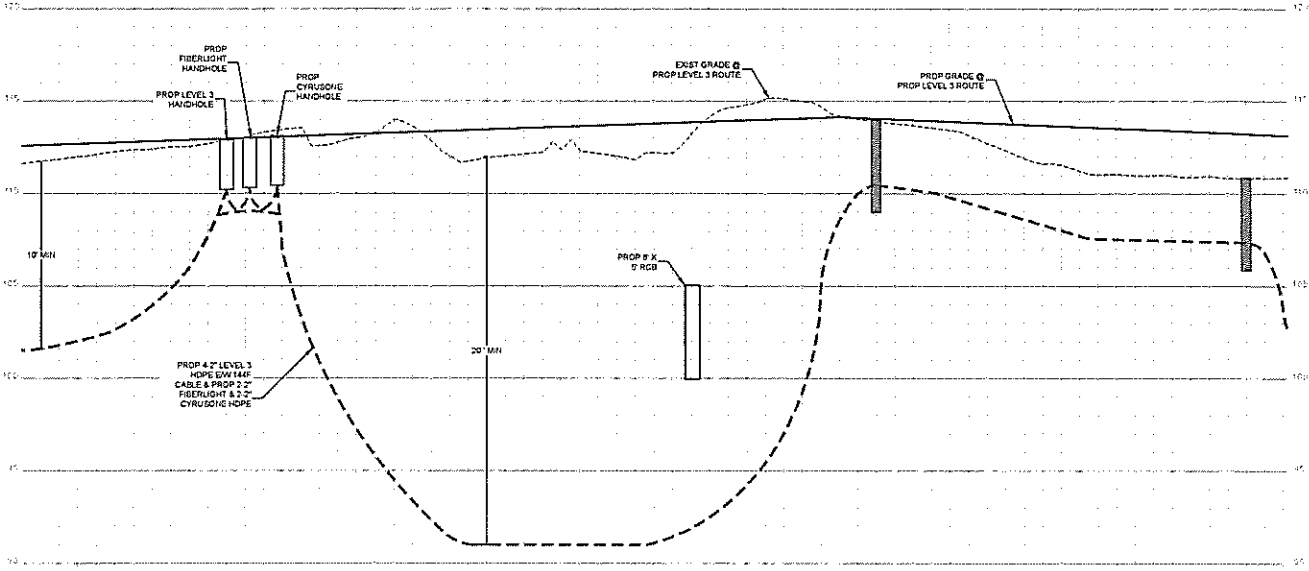
Phase Rate Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-30150 - CONDUIT 6" HDPE SDR-9	FT	650	
MAT-30970 - TIER 15 3/4"X45"X30" WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-22050 - WARNING TAGS AND/OR MARKERS	EA	2	

Phase Rate Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH AS MINIMUM COVER	FT	220	
UGB-30145-S - PLACE 1 HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	220	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	400	
UGB-30050-S - PLACE UP TO 288 COUNTY FOC IN CONDUIT UP TO 1500' (100' IN CO.)	FT	760	
UGB-31170-S - PLACE NEW 20"X48"X30" - NON CONCRETE HANDHOLE	EA	3	
UGB-31645-S - EXCAVATE SMALL PIT 6'X4'X3'	EA	2	
UGB-31055-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-31070-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	

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

Level(3)
ENGINEERING FIRM
GREEN FIELD SERVICES

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

SCALE: VERT 1\"/>

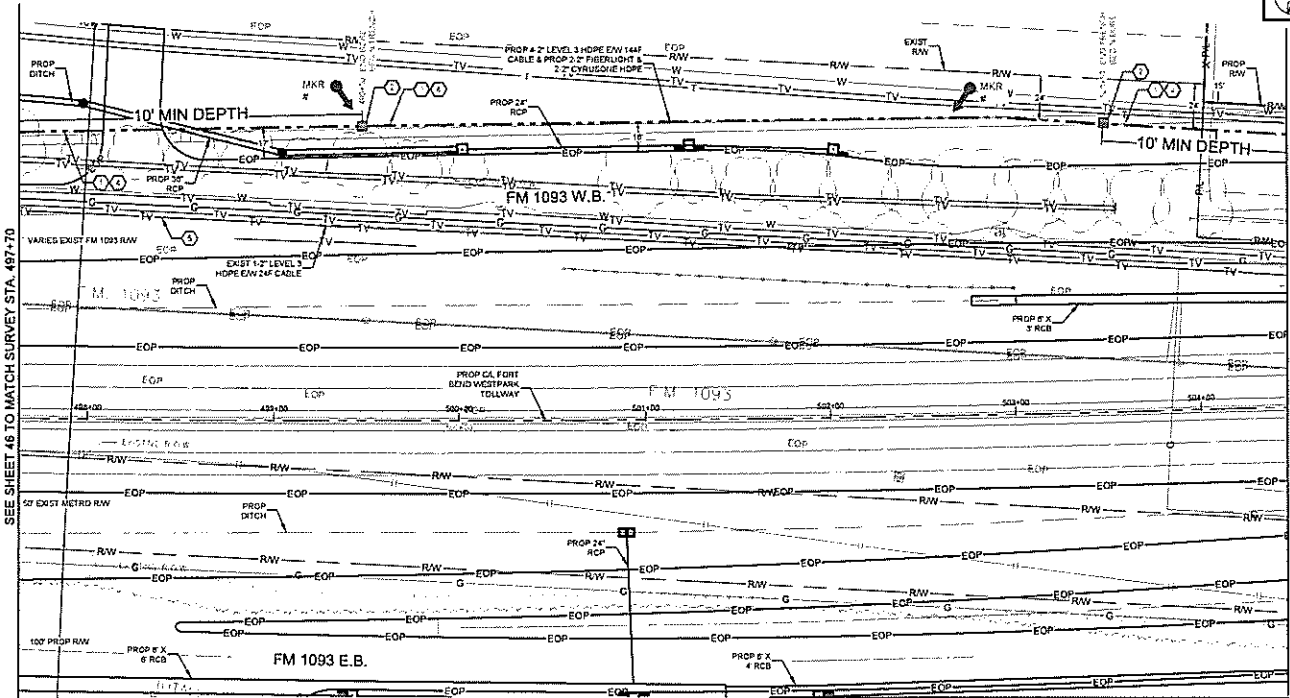
SHEET 28A OF 31
CONFIDENTIAL/PROPRIETARY

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
1-800-543-5899
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1) CONDUIT OWNER LEVELS
CONDUIT LENGTH 120'
- 2) CONDUIT SIZE 3"
CONDUIT TYPE HOPE
NOTES: BORE 8-2" HOPE
- 3) PROPOSED BORE
- 4) CONDUIT OWNER LEVELS
CONDUIT LENGTH 400'
- 5) CONDUIT SIZE 3"
CONDUIT TYPE HOPE
NOTES: TRENCH 8-2" HOPE
- 6) CABLE PROPS: 144"
CABLE OWNER LEVELS
CABLE LENGTH 400'
- 7) CABLE PROPS: 144"
CABLE OWNER LEVELS
CABLE LENGTH 400'
NOTES: REMOVE 144" CABLE

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

8-2" HOPE CONFIGURATION
4-2" LEVELLED

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

SEE SHEET 46 TO MATCH SURVEY STA. 497+70

SEE SHEET 48 TO MATCH SURVEY STA. 504+50

Page Name Off - Materials			
UM Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00100 - CONDUIT 8-2" HOPE SDR-9	FT	400	
MAT-02200 - WARNING TAPS AND/OR MARKERS	EA	2	

Page Name Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30020-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	400	
UGB-30140-S - PLACE 1" HOPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	400	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HOPE CONDUIT UP TO 2"	FT	250	
UGB-30050-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	650	
UGB-31040-S - EXCAVATE SMALL PIT 2'X4'X3'	EA	2	
UGB-31050-S - REMOVE AND DISPOSE OF 1-144" CABLE	FT	680	
UGB-31920-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HOPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2 600	
UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	1 500	

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



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

Level(3)
LEVELING SERVICES

LEVEL ENGINEER
KATHY HALL

ENGINEERING FIRM
CONCRETE FIELD SERVICES

PROJECT NUMBER

LOCATION: FM 1093 WESTPARK
EXTENSION, HOUSTON, TX

DRAWN BY: JIM

SCALE: HQR 1"=50'

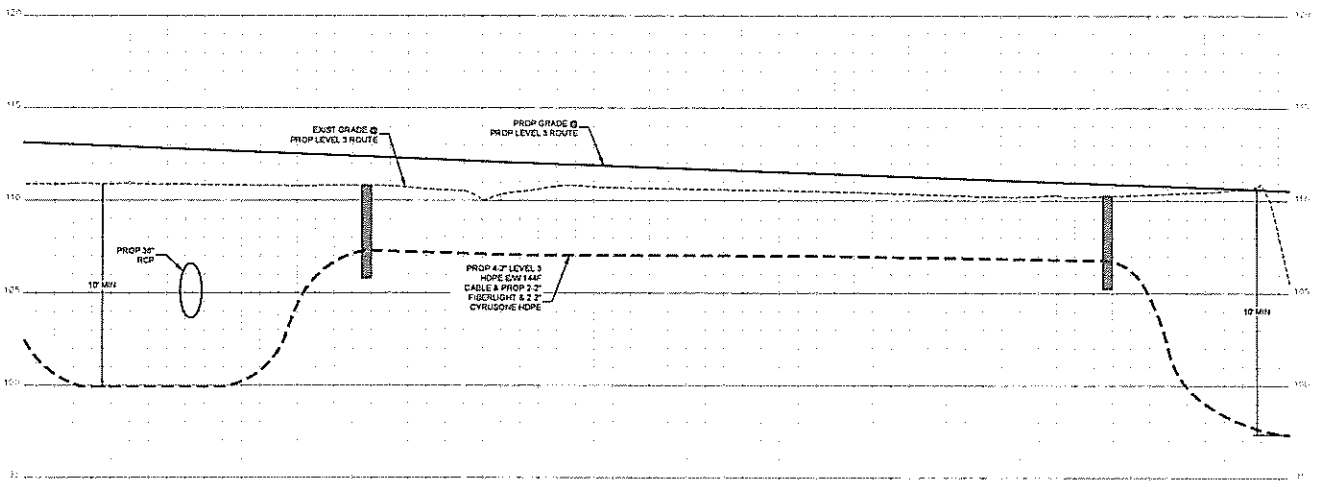
SHEET 27 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONFIGURATIONS AS
NOTED BELOW
- 8-7 HOPE CONFIGURATION
4-7 LEVEL(S)
- BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2" FIBERGLASS
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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

Level(3)
ENGINEERS

LEVEL ENGINEER
KEITH HALL

ENGINEERING FIRM
DODDISH FIELD SERVICES

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

DRAWING NAME

SCALE: VERT 1"=5'

SHEET 27A OF 31

DATE: 11/13/13

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

1. CONDUIT OWNER LEVELS
CONDUIT LENGTHS 500'
CONDUIT DIA 3"
CONDUIT TYPE HDPE
NOTES: BORE 8-2" HOPE
2. PROPOSED BORE
3. CONDUIT OWNER LEVELS
CONDUIT LENGTHS 100'
CONDUIT DIA 3"
CONDUIT TYPE HDPE
NOTES: BORE 8-2" HOPE
4. CABLE ISSUES: 144'
CABLE OWNER: URS
CABLE LENGTH: 800'
NOTES: REMOVE 144' CABLE
5. CABLE ISSUES: 144'
CABLE OWNER: URS
CABLE LENGTH: 800'
NOTES: REMOVE 144' CABLE

CONTRACTOR NOTE:
ESTIMATE OR MOST SUPPLY
ALL HOPE CONDUITS AS
NOTED BELOW

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

NO.	DATE	END DESIGN	AS-BUILT
1			
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Level(3)
ENGINEERS

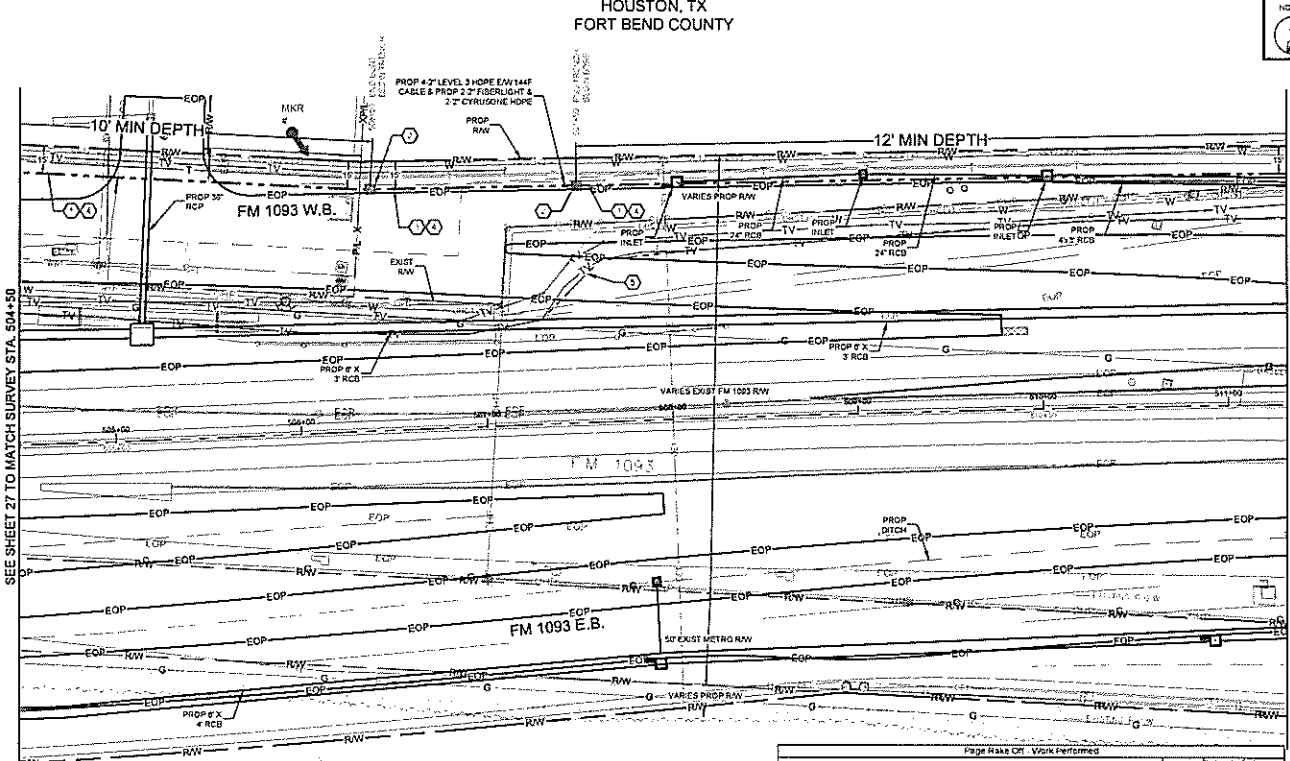
LEVEL ENGINEER
KEITH HALL

ENGINEERING FIRM
COLUMBIA FIELD SERVICES

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

DRAWING NAME

SCALE: HOR. 1"=50'
SHEET 28 OF 31
EOP: IDENTICAL TO PREVIOUS DRY



SEE SHEET 27 TO MATCH SURVEY STA. 504+50

SEE SHEET 29 TO MATCH SURVEY STA. 511+30



CALL BEFORE YOU DIG
1-800-545-2005
48 HOURS NOTICE REQUIRED

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

Page Make Off - Materials

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

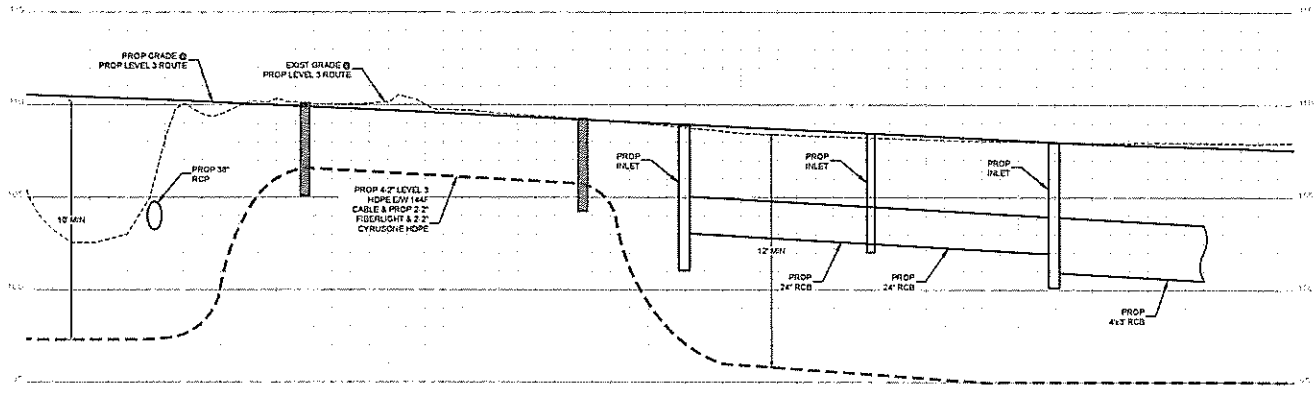
Page Make Off - Work Performed

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	680	
UGB-30250-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500'	FT	680	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	2	
UGB-31600-S - REMOVE AND DISPOSE OF 1-144' CABLE	FT	680	
UGB-31950-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HOPE #1 OPEN TRENCH CONDUIT UP TO 2"	FT	700	
UGB-30700-S - DR BORE GREATER THAN 1500' ADDITIONAL CONDUIT UP TO 2"	FT	4000	

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

Level(3)
ENGINEERS

LEVEL 3 ENGINEER
KEITH HALL

ENGINEER OF RECORD
GOLDEN FIELD SERVICES

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

DRAWING NAME

SCALE: VERT 1"=5'

SHEET 28A OF 31

ES&T IDENTICAL/PROPRIETARY



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

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

HOUSTON, TX
FORT BEND COUNTY

144F
REV: 0
DATE: 0

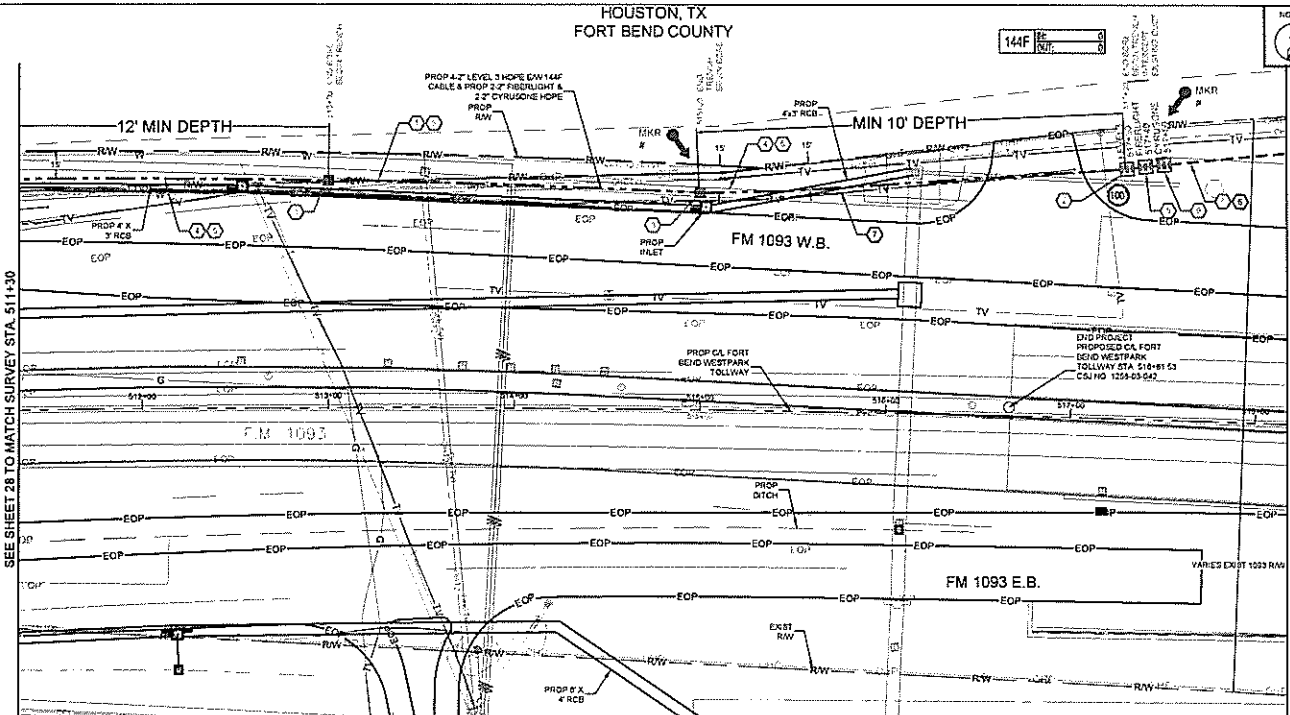


CONSTRUCTION NOTES

- 1 CONDUIT OVER LEVELS
CONDUIT LENGTH 200'
CONDUIT SIZE 2"
CONDUIT TYPE: HDPE
NOTES: REVISION 8-2" HDPE
- 2 LEVELS: HANDBOLE
CONDUIT LENGTH 100'
CONDUIT SIZE 2"
CONDUIT TYPE: HDPE
NOTES: REVISION 8-2" HDPE
- 3 CONDUIT OVER LEVELS
CONDUIT LENGTH 400'
CONDUIT SIZE 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OVER LEVELS
CABLE LENGTH 700'
- 5 CONDUIT OVER LEVELS
CONDUIT LENGTH 600'
CONDUIT SIZE 2"
CONDUIT TYPE: HDPE
- 6 CABLE FIBERS: 144F
CABLE OVER LEVELS
CABLE LENGTH 600'
- 7 CONDUIT OVER LEVELS
CONDUIT LENGTH 100'
CONDUIT TYPE: HDPE
- 8 CONDUIT OVER LEVELS
CONDUIT LENGTH 100'
CONDUIT TYPE: HDPE
- 9 CONDUIT OVER LEVELS
CONDUIT LENGTH 100'
CONDUIT TYPE: HDPE
- 10 CONDUIT OVER LEVELS
CONDUIT LENGTH 100'
CONDUIT TYPE: HDPE
- 11 CONDUIT OVER LEVELS
CONDUIT LENGTH 100'
CONDUIT TYPE: HDPE
- 12 CONDUIT OVER LEVELS
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- 13 CONDUIT OVER LEVELS
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- 14 CONDUIT OVER LEVELS
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- 18 CONDUIT OVER LEVELS
CONDUIT LENGTH 100'
CONDUIT TYPE: HDPE
- 19 CONDUIT OVER LEVELS
CONDUIT LENGTH 100'
CONDUIT TYPE: HDPE
- 20 CONDUIT OVER LEVELS
CONDUIT LENGTH 100'
CONDUIT TYPE: HDPE

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

- 6-2" HDPE 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



SEE SHEET 28 TO MATCH SURVEY STA. 511+30

SEE SHEET 30 TO MATCH SURVEY STA. 518+20

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-00150 - CONDUIT 6-2" HDPE EDR 0	FT	600	
MAT-00270 - TIER 15 33"x48"x36" WITH KNOCK-OUTS AND RACKING INCLUDING COVER	EA	3	
MAT-00350 - CONDUIT WYE CAST 2"	EA	1	
MAT-00200 - WARNING TAGS AND/OR MARKERS	EA	2	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	200	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	200	
UGB-30050-S - DIRECTIONAL BORE GREATER THAN 1500' 1 HDPE CONDUIT UP TO 2"	FT	400	
UGB-30050-S - PLACE UP TO 288 COUNT FOC IN CONDUIT UP TO 1500' (100' IN EDR)	FT	780	
UGB-31270-S - PLACE NEW 30"x45"x36" NON-CONCRETE HANDBOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X3'	EA	2	
UGB-31000-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	600	
UGB-30270-S - INTERCEPT CONDUIT WYE CAST 2"	EA	1	
UGB-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	

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



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

Level(3)
ENGINEERS

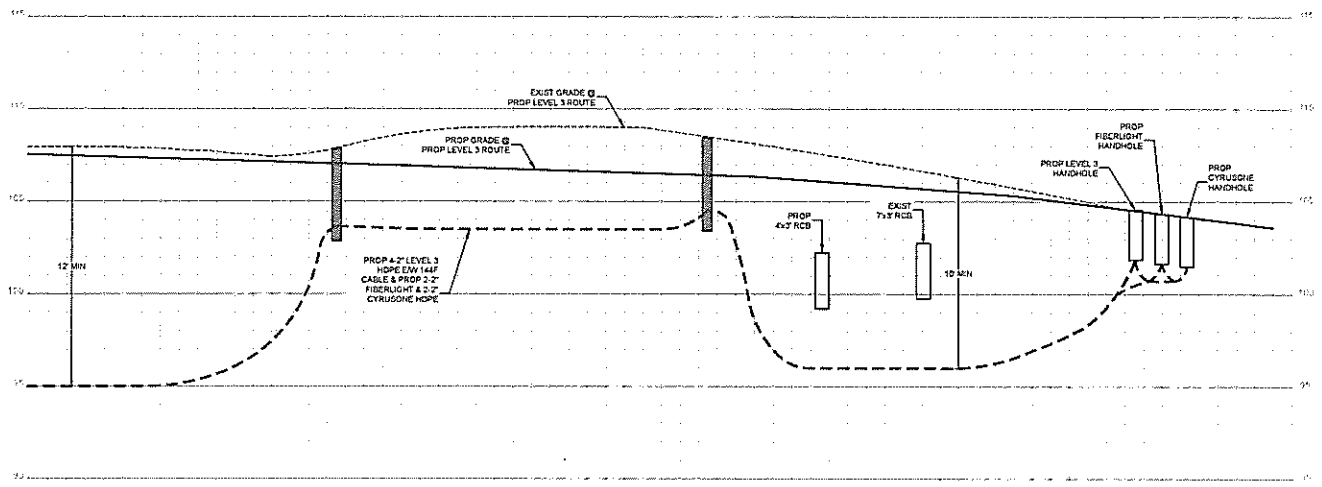
LEVEL 3 ENGINEER
KETH HALL
ENGINEERING FIRM
SOUTHERN FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1093 WESTPARK
EAST HOUSTON, HOUSTON, TX
DRAWING NAME

SCALE: 1/8"=1'-0"
SHEET 29 OF 31
EQUIPMENT: ALP/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



- CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY
ALL HOPE CONDITIONS AS
NOTED BELOW
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Level(3)
LEVEL ENGINEER

LEVEL 3 ENGINEER
KEITH HULL
ENGINEERING FIRM
CIVIL FIELD SERVICES
PROJECT NUMBER
LOCATION: FM 1033 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NAME
SCALE: VERT. 1"=5'
SHEET: 28A OF 31
CONFIDENTIAL/PROPRIETARY



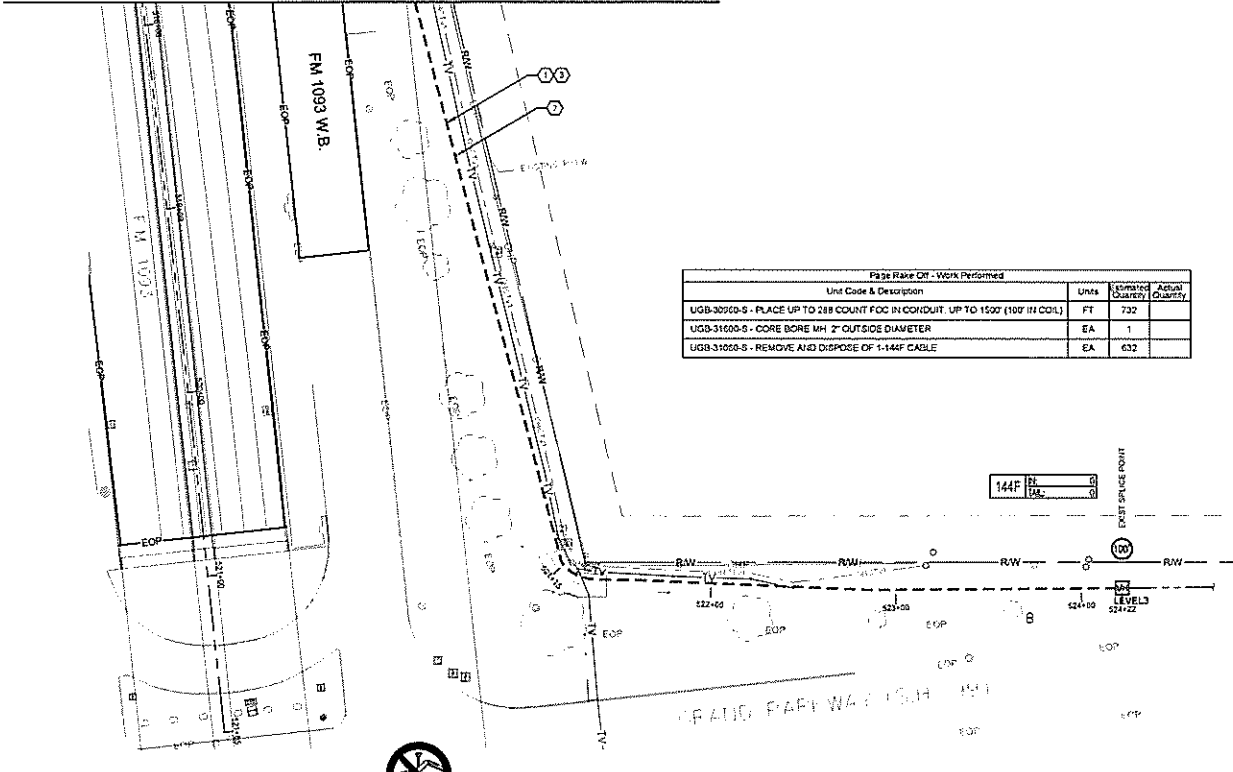
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE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

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

HOUSTON, TX
FORT BEND COUNTY



SEE SHEET 29 TO MATCH SURVEY STA. 517+90



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

CONSTRUCTION NOTES

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

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

- 8" HDPE CONFIGURATION:
4" LEVEL(3)
- BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
- 2" FIBERGLASS:
 BLACK W/ RED STRIPE
 BLACK W/ BLUE STRIPE
 3" CYRULONE
 BLACK W/ WHITE STRIPE
 BLACK W/ GREY STRIPE

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

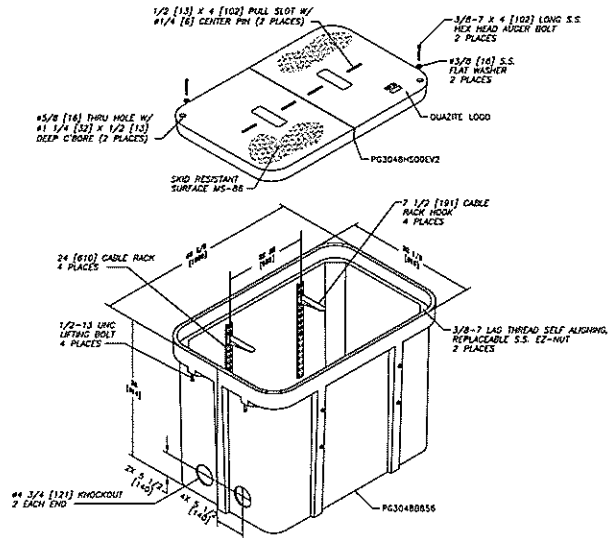
PROJECT NUMBER:
LOCATION: FM 1093 WESTPARK
EXTENSION: HOUSTON, TX
DRAWING NUMBER:

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

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



HANDHOLE DETAIL



TYPICAL DETAIL - A

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

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

3-2" HOPE CONFIGURATION

4-2" LEVEL(D)

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

3-2" FIBERLIGHT

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

2-2" CYRUSONE

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

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SHEET 30A OF 31
CONFIDENTIAL/PROPRIETARY

Level(3)

LEVEL 3 ENGINEER
KEITH HALL

ENGINEERING FIRM
CON DOV FIELD SERVICES

PROJECT NUMBER

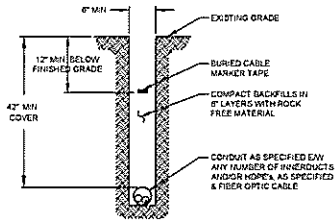
LOCATION: FM 1033 THE STARBUCK
EXTENSION - HOUSTON, TX

DRAWING TITLE:

CONSTRUCTION DETAIL

TYPICAL DETAIL "A"

TRENCH & PLACE CONDUIT



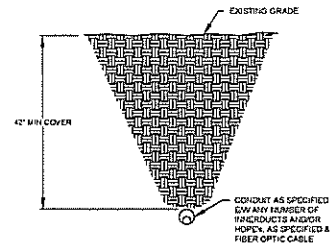
TYPICAL DETAIL "B"

CROSS SECTION OF PROPOSED HDPE



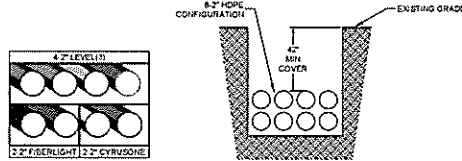
TYPICAL DETAIL "C"

DIRECTIONAL BORE CROSS SECTION FOR CONDUIT



TYPICAL DETAIL "D"

HDPE CONFIGURATION



4" LEVEL(3) 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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8-2" HDPE CONFIGURATION

CONTRACTOR NOTE
CONTRACTOR MUST SUPPLY ALL HDPE CONDUITS AS NOTED BELOW

8-2" HDPE CONFIGURATION

4" LEVEL(3)

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

2" FIBERLIGHT

- BLACK W RED STRIPE
- BLACK W BLUE STRIPE

2" CYRUSONE

- BLACK W WHITE STRIPE
- BLACK W GREY STRIPE

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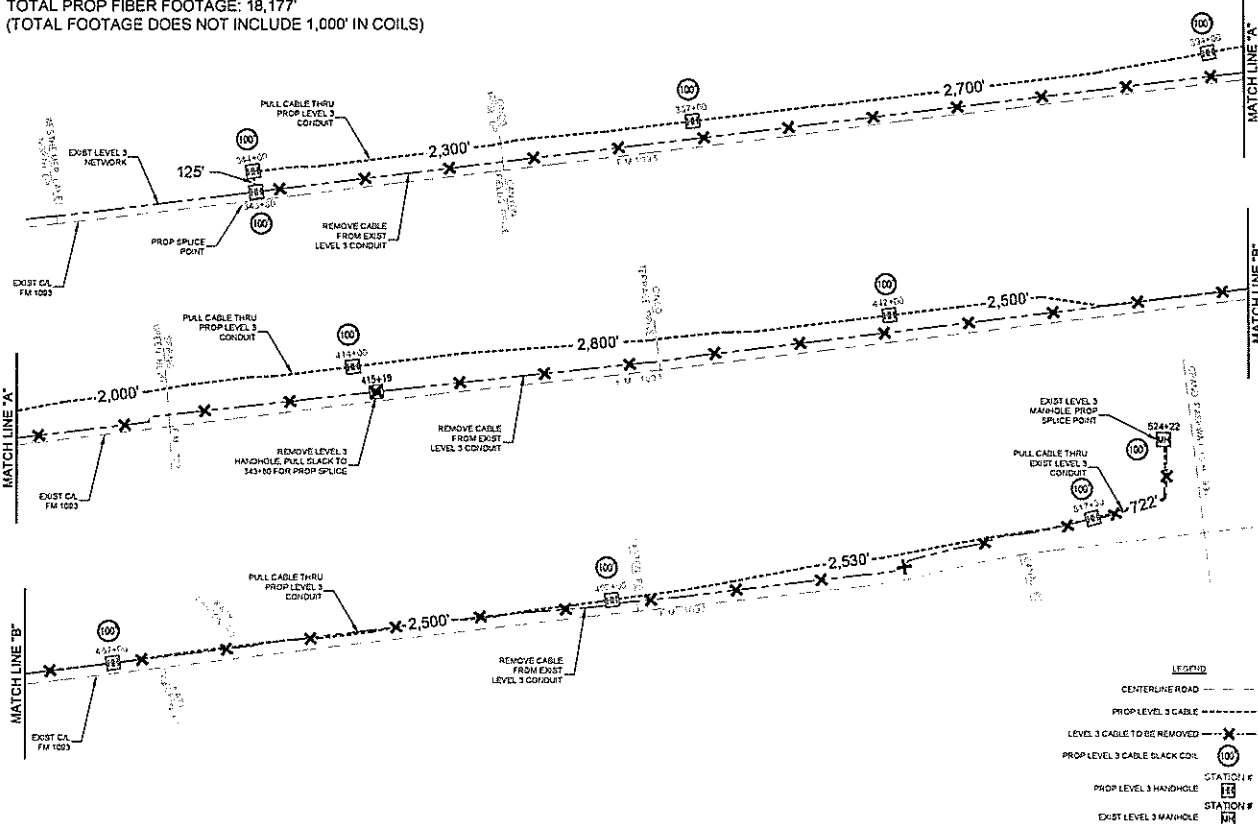
2-1-18 REVISION # 1
11-13-18 ORIGINAL
DRAWING COMMENT

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

LEVEL 3 CABLE PULLING SCHEMATIC
NOT TO SCALE

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

CONSTRUCTION NOTE:
 FIBERLIGHT & CYRUSONE HANDHOLES
 NOT SHOWN FOR CLARITY



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

LEGEND

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

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

RAKE OFF - WORK PERFORMED			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500' TRENCH 48" MINIMUM COVER	FT	9,105	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	9,105	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	63,735	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500'; 1 HDPE CONDUIT UP TO 2"	FT	8,350	
UGB-30700-S - DIR. BORE GREATER THAN 1500'; ADDITIONAL CONDUIT UP TO 2"	FT	58,450	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (1,000' IN COIL)	FT	19,177	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	27	
UGB-31640-S - EXCAVATE SMALL PIT 6'X4'X5'	EA	34	
UGB-31600-S - CORE BORE MH; 2" OUTSIDE DIAMETER	EA	1	
UGB-30930-S - INTERCEPT CONDUIT; WYE CAST 2"	EA	2	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	18,052	
UGB-31380-S - REMOVE EXISTING - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	1	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	39	

RAKE OFF - MATERIALS LIST			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT 8-2" HDPE SDR-9	FT	17,435	
MAT-90970 - TIER 15 30"x48"x36" - W/ KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	27	
MAT-90380 - CONDUIT; WYE CAST 2"	EA	1	
MAT-92080 - WARNING TAGS AND/OR MARKERS	EA	39	

- CONTRACTOR NOTE**
 CONTRACTOR MUST SUPPLY ALL HDPE CONDUITS AS NOTED BELOW
- 5-2" HDPE CONFIGURATION
- 4-2" (LEVEL3)
- BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
- 2-2" FIBERGLASS
- BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
- 2-2" CYRUSOPE
- BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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

Level(3)
 ENGINEERING

LEVEL 3 ENGINEER
 KEITH HALL
 ENGINEERING FIRM
 GOLDEN FIELD SERVICES
 PROJECT NUMBER
 LOCATION: 141155 VICKS PARK
 EXTENSION - HOUSTON, TX
 DRAWING NUMBER

Exhibit B

CyrusOne Construction Cost Estimate

Date
Fort Bend County

GA 3/29/16
Initial Date
CyrusOne

Utility Relocation Cost Estimate

Sow	FM 1093 and Westpark Relo		
Description	Relocation Construction		
Market	TX, Houston		
PA	98059	4 conduits	
Task	Online Directional Boring (Contractor)	Cyrus One	Cost Breakdown
UGB-30050:UGB:Trench Greater Than 1500':Trench greater than 1500': Trench 48" minimum cover	\$ 150,232.50	\$ 75,116.25	Cost divided via pro-rata
UGB-30140:UGB:Conduit / Casing - Place in Trench:Place 1 - HDPE conduit in open trench up to 2"	\$ 15,933.75	\$ 7,966.88	Cost divided via pro-rata
UGB-30150:UGB:Conduit / Casing - Place in Trench:Place additional HDPE in open trench conduit up to 2"	\$ 66,921.75	\$ 33,460.88	Cost divided via pro-rata
UGB-30690:UGB:Directional Bore Greater Than 1500':Directional Bore greater than 1500': 1 HDPE conduit up to 2"	\$ 154,475.00	\$ 77,237.50	Cost divided via pro-rata
UGB-30700:UGB:Directional Bore Greater Than 1500':Directional Bore greater than 1500': Additional HDPE conduit up to 2"	\$ 175,350.00	\$ 87,675.00	Cost divided via pro-rata
UGB-31270:UGB:Handhole / Manhole Excavation & Placement:Place New - 30"x48"x36" - Non-concrete Manhole / Handhole	\$ 21,735.00	\$ 5,433.75	Costs divided 4 ways.
UGB-31640:UGB:Pits:Excavate Small Pit: 6'x4'x5'	\$ 31,620.00	\$ 15,810.00	Cost divided via pro-rata
MAT-90970:MAT:Handhole / Manhole:Tier 15 30"x48"x36" - With knock-outs and racking - Including Cover	\$ 17,550.00	\$ 4,387.50	Costs divided 4 ways.
MAT-90080:MAT:Conduit :Conduit: 1 1/2" HDPE SDR-11	\$ 89,267.20	\$ 44,633.60	Cost divided via pro-rata
Total Relocation Cost	\$ 723,085.20	\$ 351,721.35	

Fort Bend County Reimbursement (50%)

\$ 175,860.68

Exhibit C

CyrusOne 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

GA 3/29/16
Initial Date
CyrusOne

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

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

OFFICE USE ONLY CERTIFICATION OF FILING

Certificate Number:
2016-32410

Date Filed:
03/29/2016

Date Acknowledged:

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

CyrusOne, LLC
Carrollton, TX United States

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

Fort Bend County

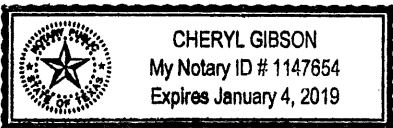
3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the goods or services to be provided under the contract.

23381
23381 - 1/5/16 Utility Relication 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.



Gregory Andrews
Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said Gregory Andrews, this the 30th day of March, 2016, to certify which, witness my hand and seal of office.

Cheryl Gibson Cheryl Gibson Notary
Signature of officer administering oath Printed name of officer administering oath Title of officer administering oath