

STANDARD UTILITY AGREEMENT

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

This Agreement by and between the County of Fort Bend, Texas, ("**County**"), and **Level 3 Communications, LLC**, ("**Utility**"), acting by and through its duly authorized representative, shall be effective on the date of approval and execution by and on behalf of the **County**.

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

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

Start Date – March 28, 2016
 Completion Date – May 16, 2016

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

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

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


NOW, THEREFORE, BE IT AGREED:

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

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

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


 3/17/16
 Date
 Fort Bend County


 3/15/16
 Date
 Level 3

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

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

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

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

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


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

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

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

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


Date 3/17/16
Fort Bend County


Initial
Date 3/15/16
Level 3

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


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

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

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

UTILITY


Utility: Level 3 Communications, LLC
Name of Utility

By: 
Authorized Signature

JEFFREY POLACHUK
Print or Type Name

Title: VICE PRESIDENT


Date: 3/15/16

 3/17/16
Date
Fort Bend County

JR 3/15/16
Initial *Date*
Level 3

EXECUTION RECOMMENDED:

COUNTY

By: 
Robert E. Hebert, County Judge

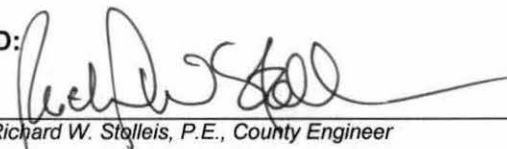
Date: March 22, 2016

ATTEST:

By: 
Laura Richard, County Clerk



APPROVED:

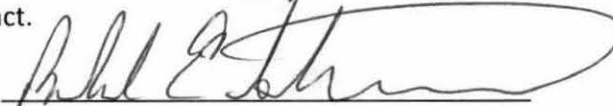
By: 
Richard W. Stalleis, P.E., County Engineer

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 \$ 161,374.31 to accomplish and pay the obligation of Fort Bend County under this contract.



Robert Ed Sturdivant, County Auditor

 3/17/16
Date
Fort Bend County

JP 3/15/16
Initial Date
Level 3

Exhibit A

Level 3 Plans & Specifications

(62 Pages that Follow)

FWB 3/7/16
Date
Fort Bend County

JP 3/15/16
Initial Date
Level 3

Exhibit B

Level 3 Construction Cost Estimate

 3/17/16
Date
Fort Bend County

JP 3/15/16
Initial Date
Level 3

Exhibit C


Level 3 Schedule of Work and Estimated Dates of Completion.


(As Shown Below)

Construction Schedule:

Begin Construction: March 28, 2015

Complete Construction: May 16, 2016


Date
3/17/14
Fort Bend County


Initial
Date
3/15/16
Level 3

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

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

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

Capability	Activity	Act. ID	Unit of Measure	Unit Cost	Number of Units	Total Spend	Explanation
Underground Construction	Level 3 Fiber Material	A501	FT	\$1.700	19500.00	\$33,150.00	144 count fiber optic cable.
Underground Construction	Conduit: WYE Cast 2"	MAT-90360-S	EA	\$250.000	1.00	\$250.00	Conduit: WYE Cast 2"
Underground Construction	Conduit: 1 1/2" HDPE SDR-11	MAT-90080-S	FT	\$0.080	139480.00	\$11,158.40	Conduit: 1 1/2" HDPE SDR-11 (Level 3 pro-rata share)
Underground Construction	Tier 15 30"x48"x36" - With knock-outs and racking - Including Cover	MAT-90970-S	EA	\$162.500	27.00	\$4,387.50	Tier 15 30"x48"x36" - With knock-outs and racking - Including Cover (Level 3 pro-rata share)
Underground Construction	Warning Tags and/or Markers	MAT-92090-S	EA	\$95.000	39.00	\$3,705.00	Warning Tags and/or Markers
Splicing and Testing	Splice Enclosures	A507	EA	\$750.00	2.00	\$1,500.00	Purchase Splice Enclosure
					Sub	\$54,150.90	

Capability	Activity	Act. ID	Unit of Measure	Unit Rate	Number of Units	Total Spend	Explanation
Indirect Costs	Level 3 G&A Expense	L3601	Overhead	30.40%	247506.61	\$75,242.01	Field Operations Support in Construction, Engineering & Permitting, Splicing, Testing and Acceptance. Headquarters Support in Scheduling, Fiber planning, Engineering Review, Project Analysis, CAD support, Network Access, Testing and Acceptance Review and Approval, Project Manager Support, Legal Support, Legal Review of Documents.
					Total	\$322,748.61	

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

CONTACTS

LEVEL (3):
 KEITH HALL 832-549-8013
 GOLDEN FIELD SERVICES:
 ERIK BAKER 903-357-3282

PROJECT INDEX

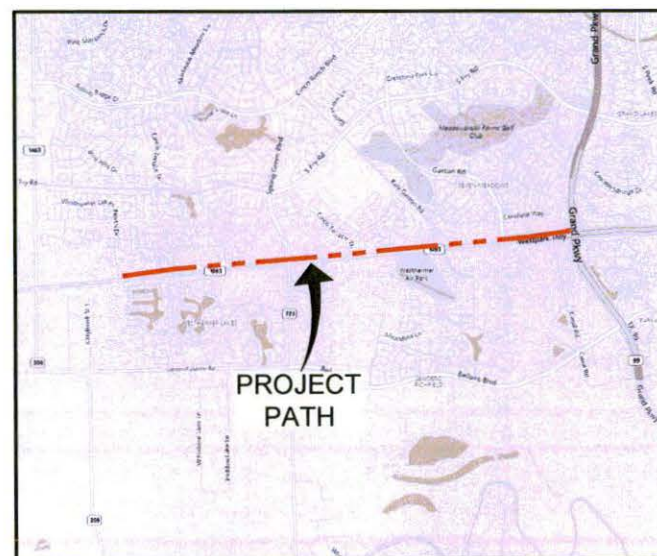
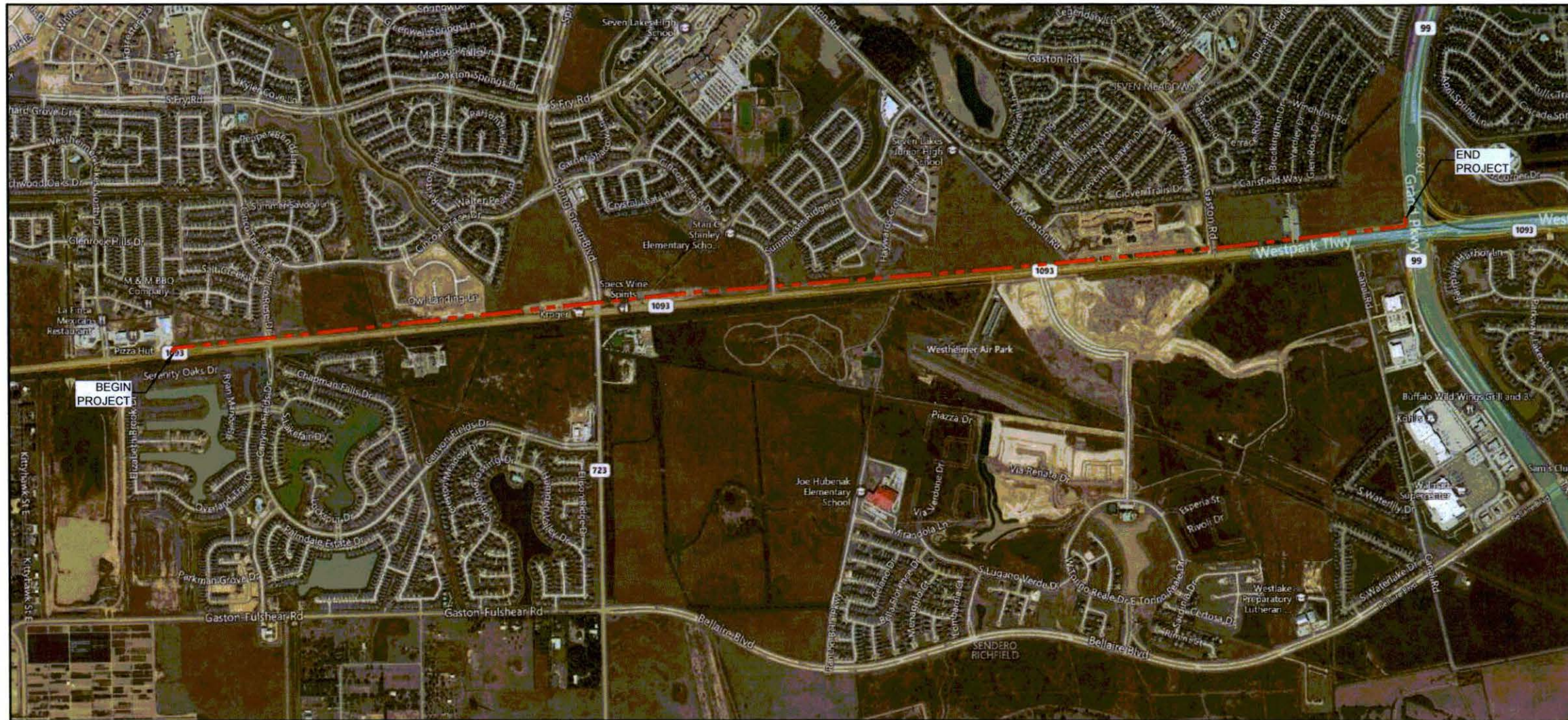
- 1 - COVER SHEET
- 2 - LEGEND
- 2A - GENERAL NOTES 1
- 2B - GENERAL NOTES 2
- 3 - INDEX SHEET
- 4-30 - CONSTRUCTION PLANS & PROFILES
- 30A-30B - CONSTRUCTION DETAILS
- 30C - LEVEL 3 CABLE PULLING SCHEMATIC
- 31 - RAKE OFF TOTAL

SCOPE OF WORK

REMOVE AND REPLACE 18,177' OF THE EXISTING LEVEL3 COMMUNICATIONS FIBER NETWORK & PLACE 8-2" HDPE CONDUIT & 27 HANDHOLES IN THE NORTH RIGHT-OF-WAY OF F.M. 1093 & WESTPARK TOLLWAY DUE TO CITY OF HOUSTON INFRASTRUCTURE EXPANSION OF WESTPARK TOLLWAY

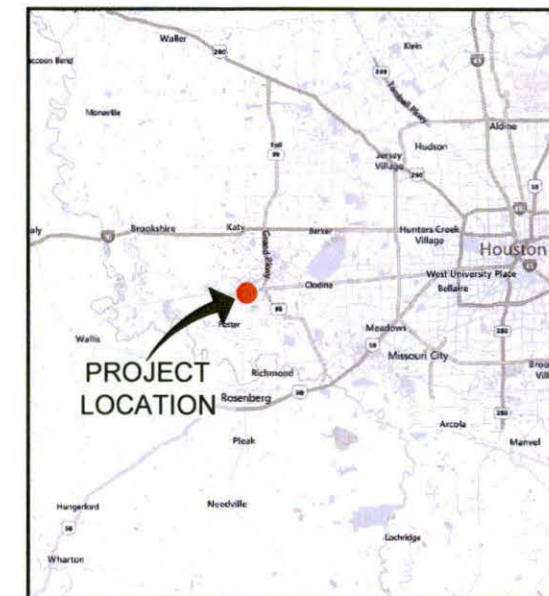
PROJECT DESCRIPTION

CLLI CODE:
 PA NUMBER:
 ADDRESS:
 CITY: HOUSTON
 COUNTY: FORT BEND
 STATE: TEXAS
 ZIP CODE: 77494 & 77406
 CUSTOMER/TENANT:



LOCATION MAP

PROJECT LOCATION
 MAP NOT TO SCALE



VICINITY MAP

3		
2		
1		
NO.	DATE	ENG DESIGN
		AS-BUILT
2-2-16		REVISION # 1
11-13-15		ORIGINAL
DRAFTING		COMMENT



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

LEGEND

LINETYPES

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

SYMBOL

DESCRIPTION

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
STA.	STATION

	RISER
	TELEPHONE
	POWER VAULT
	CATCH BASIN/INLET
	FIRE HYDRANT
	GROUND/BOND
	STREET LIGHT
	TREE
	CULVERT
	WING WALL
	BRIDGE
	MISC. UTILITY
	UTILITY POLE - EXISTING
	UTILITY 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 TAIL CALLOUT
	SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

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

POLE NO	N/A
UTILITY1	0'-0"

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

1	CABLE FIBERS: FIBERS CABLE OWNER: LEVEL3 CABLE LENGTH: LENGTH NOTES:
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CABLE SPAN CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)

1	CABLE FIBERS: FIBERS CABLE OWNER: LEVEL3 CABLE LENGTH: LENGTH NOTES:
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CABLE SPAN CALLOUT - PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50X)

1	CONDUIT OWNER: LEVEL3 CONDUIT LENGTH: LENGTH CONDUIT QTY: CONDUITS CONDUIT SIZE: SIZE CONDUIT TYPE: TYPE INNER DUCT QTY: INNERDUCTS INNER DUCT SIZE: SIZE INNER DUCT TYPE: TYPE NOTES:
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CONDUIT CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)
WITH OR WITHOUT INNER DUCT INFO

1	CONDUIT OWNER: LEVEL3 CONDUIT LENGTH: LENGTH CONDUIT QTY: CONDUITS CONDUIT SIZE: SIZE CONDUIT TYPE: TYPE INNER DUCT QTY: INNERDUCTS INNER DUCT SIZE: SIZE INNER DUCT TYPE: TYPE NOTES:
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CONDUIT CALLOUT - PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50X)
WITH OR WITHOUT INNER DUCT INFO

1	STRAND TYPE: TYPE STRAND LENGTH: LENGTH NOTES:
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STRAND CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)

1	STRAND TYPE: TYPE STRAND LENGTH: LENGTH NOTES:
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STRAND CALLOUT - PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50X)

#	SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION. SEE SHEET # FOR SITE PHOTOGRAPHS.
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3		
2		
1		
NO.	DATE	ENG DESIGN
		AS-BUILT
2-2-16		REVISION # 1
11-13-15		ORIGINAL
DRAFTING		COMMENT



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

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, FECES, WALKS, STEPS, ETC. THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE REPLACED OR RESTORED TO THEIR ORIGINAL CONDITION OR TO THE SATISFACTION OF THE ENGINEER, PROPERTY OWNER, CITY, COUNTY, STATE, AND/OR OTHER AGENCY HAVING AUTHORITY/JURISDICTION.
18. CITY, COUNTY, STATE ROAD SIGNS, DELINEATORS, GUARDRAILS, ETC. SHALL NOT BE REMOVED.
19. MINIMUM 12 INCH CLEARANCE FROM ALL STRUCTURES UNDERGROUND.
20. IN THE EVENT OF ANY DRIVEWAYS, ANY REQUIRED REMOVAL AND REPLACEMENT, THE MINIMUM THICKNESS OF REPLACEMENT CONCRETE SHALL BE 6 INCHES. DRIVEWAYS WILL BE REPLACED WITH LIKE KIND.

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

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

DRAWING NAME:

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. CONTACTOR SHALL VERIFY IN THE FIELD THE EXACT LOCATIONS OF ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY TEXAS ONE-CALL @ 800-545-605 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. CONTACTOR SHALL NOTIFY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, OFFICE OF THE CITY ENGINEER, 48 HOURS BEFORE STARTING WORK ON THIS PROJECT @ 832-394-9098.
5. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
6. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
7. THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF OSHA REGULATION AND THE STATE OF TEXAS LAYS 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 CONTACTOR 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 CONTACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES, THE CONTACTOR SHALL BRACE THE POLE FOR SUPPORT.
5. THE PRESENCE OR ABSENCE OF EXISTING FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURIED CABLES OR OTHER CABLES IN CONDUIT IN THE AREA.
6. CONTRACTOR TO CONTACT UTILITY OWNER DEPARTMENT FOR DAMAGE PREVENTION IF THERE ARE ANY QUESTIONS ABOUT BORING OR EXCAVATING NEAR EXISTING FACILITIES.

!!WARNING!! OVERHEAD ELECTRIC

OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE; BUT THE CONTRACTOR SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752; HEALTH & SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH-VOLTAGE LINES. PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY @ 713-207-2222.

::CAUTION:: UNDERGROUND GAS

LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTERSTATE PIPELINE LLC WHERE APPLICABLE) ARE SHOWN IN APPROXIMATE LOCATION ONLY. SERVICES LINES ARE NOT USUALLY SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE. THE CONTACTOR 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 713-967-8037 (7:00 AM TO 4:30 PM) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.
- WHEN EXCAVATING WITHIN (18") OF INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
- WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.

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

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2-2-16		REVISION # 1
11-13-15		ORIGINAL
DRAFTING		COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SHEET 2B OF 31

CONFIDENTIAL/PROPRIETARY

INDEX SHEET



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DRAFTING	COMMENT	



LEVEL 3 ENGINEER:
KEITH HALL

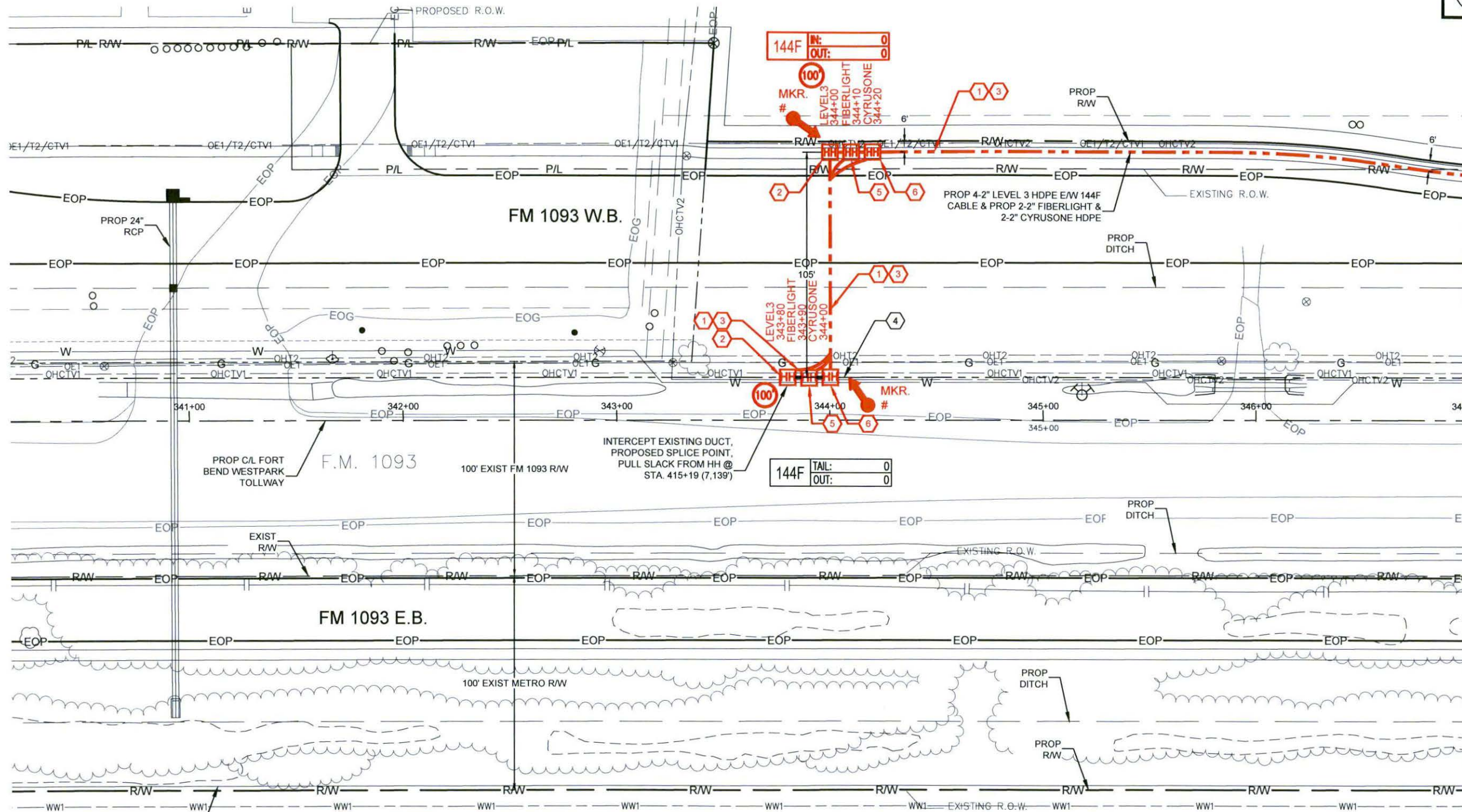
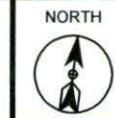
ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

HOUSTON, TX
FORT BEND COUNTY



SEE SHEET 5 TO MATCH SURVEY STA. 347+00

CONSTRUCTION NOTES

- ① CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 425'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- ② LEVEL3 HANDHOLE - 2
COL. 100' 1-144F IN EA HH
- ③ CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 625'
- ④ CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 300'
NOTES: REMOVE 144F CABLE
- ⑤ FIBERLIGHT HANDHOLE - 2
- ⑥ CYRUSONE HANDHOLE - 2

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

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

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2-2-16		REVISION # 1
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DRAFTING		COMMENT



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 4 OF 31
CONFIDENTIAL/PROPRIETARY

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	425	
MAT-90970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	6	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

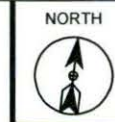
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	405	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	405	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (200' IN COIL)	FT	625	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	6	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	300	
UGB-30930-S - INTERCEPT CONDUIT: WYE CAST 2"	EA	1	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE 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 CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

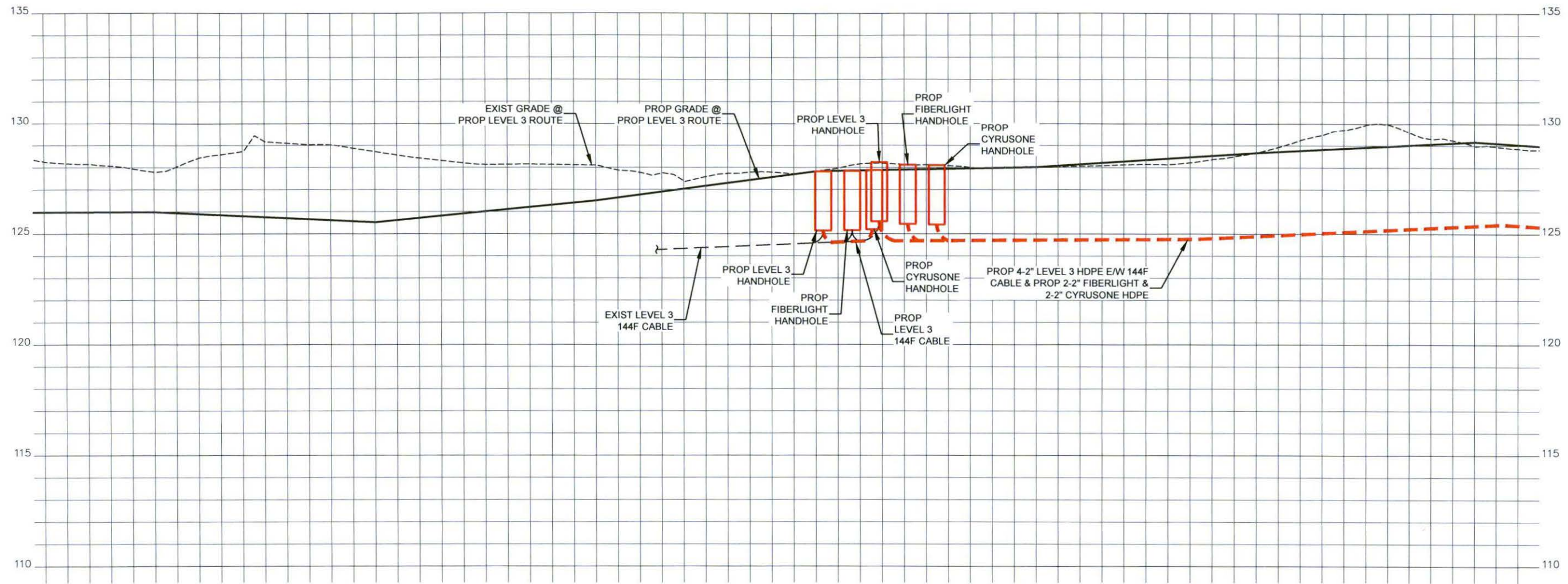


CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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2-2-16		REVISION # 1
11-13-15		ORIGINAL
DRAFTING		COMMENT



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 4A OF 31

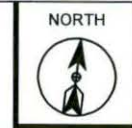
CONFIDENTIAL/PROPRIETARY

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



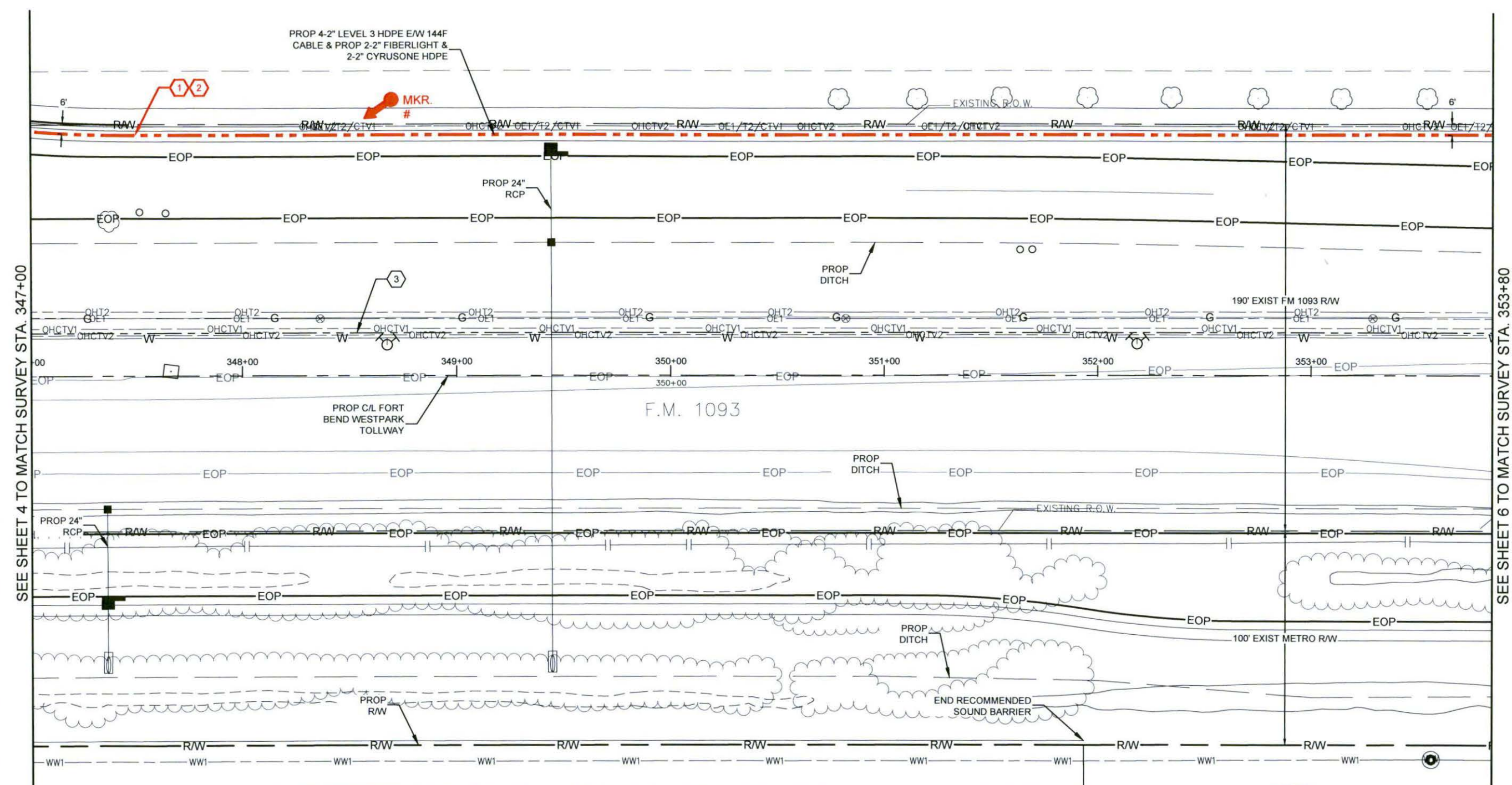
CALL BEFORE YOU DIG
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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 680'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE



SEE SHEET 4 TO MATCH SURVEY STA. 347+00

SEE SHEET 6 TO MATCH SURVEY STA. 353+80

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

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

Page Rake Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Rake Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	680	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	680	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	680	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,760	

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



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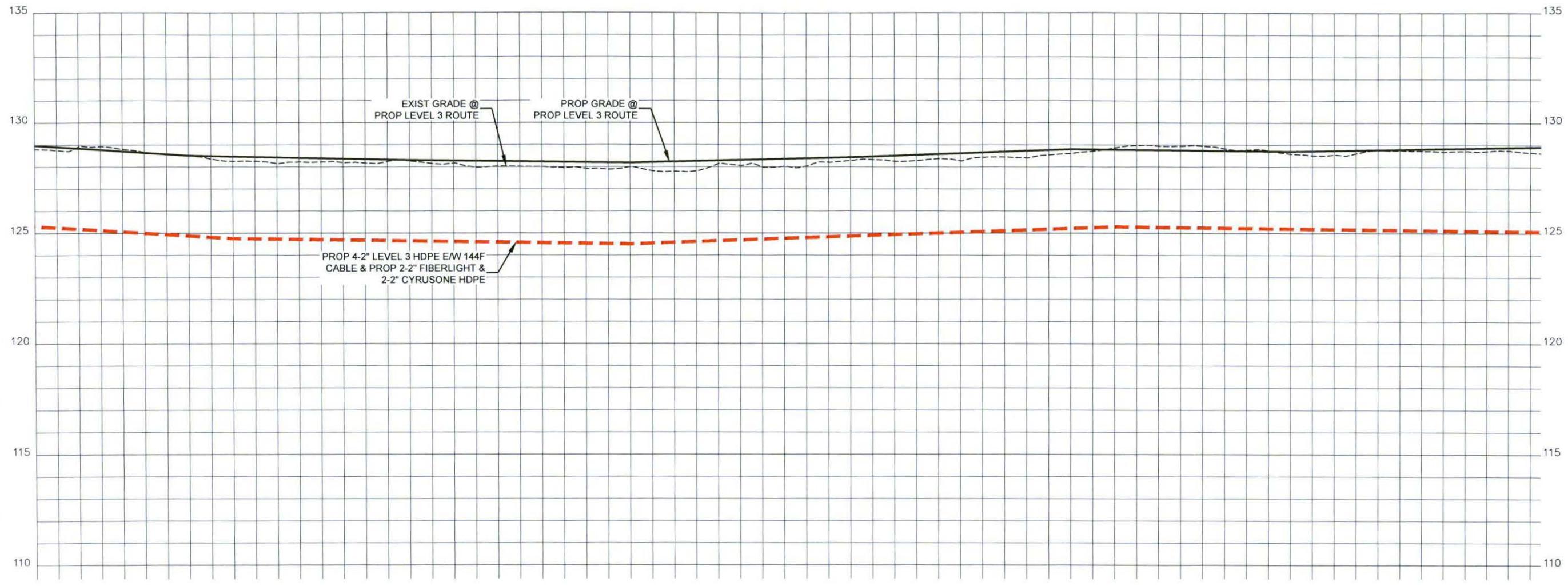
LEVEL 3 ENGINEER:
KEITH HALL
ENGINEERING FIRM:
GOLDEN FIELD SERVICES
PROJECT NUMBER:
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NAME:

SCALE: HOR: 1"=50'
SHEET 5 OF 31
CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 5A OF 31

CONFIDENTIAL/PROPRIETARY

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



CALL BEFORE YOU DIG
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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 290'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 400'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE

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

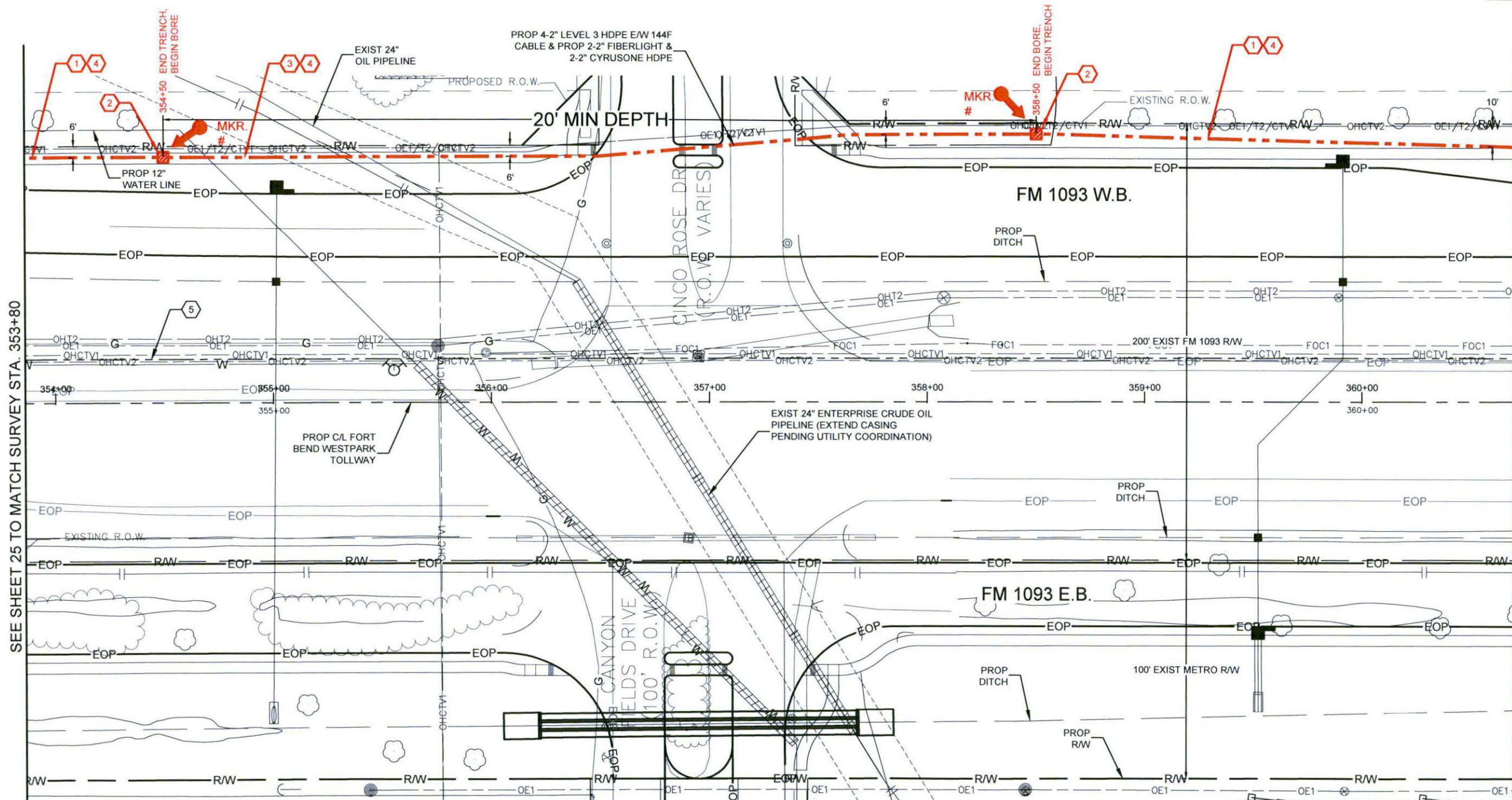
- 8-2" HDPE CONFIGURATION
- 4-2" LEVEL(3)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2-2" FIBERLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2-2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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DRAFTING		COMMENT

Level(3)
COMMUNICATIONS

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

SCALE: HOR: 1"=50'
SHEET 6 OF 31
CONFIDENTIAL/PROPRIETARY



Page Rake Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Rake Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	290	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	290	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	400	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	690	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	2	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE 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 CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

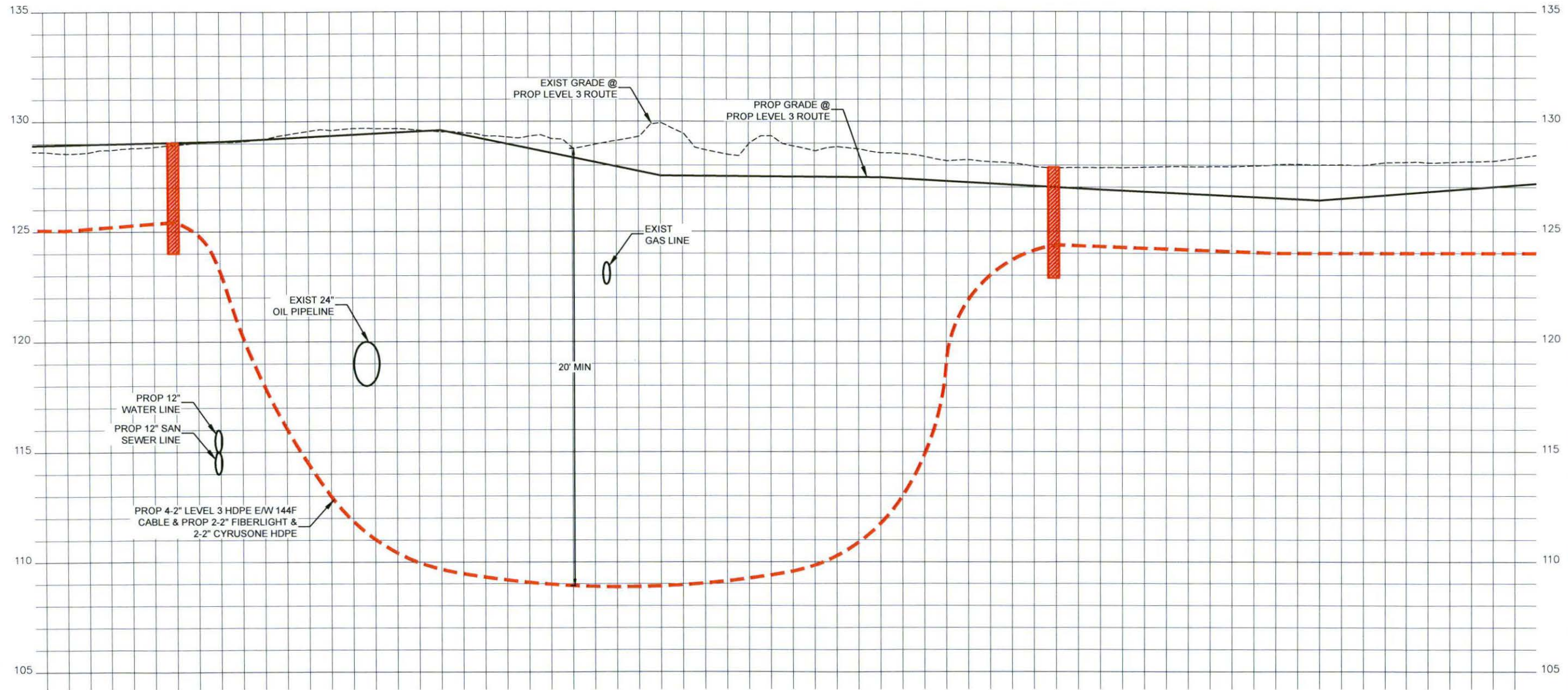


CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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	2-2-16	REVISION # 1
	11-13-15	ORIGINAL
	DRAFTING	COMMENT



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 6A OF 31

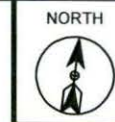
CONFIDENTIAL/PROPRIETARY

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 690'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 LEVEL3 HANDHOLE
COIL 100' 1-144F IN HH
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 790'
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE
- 5 FIBERLIGHT HANDHOLE
- 6 CYRUSONE HANDHOLE

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

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

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		AS-BUILT
2-2-16		REVISION # 1
11-13-15		ORIGINAL
DRAFTING		COMMENT



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

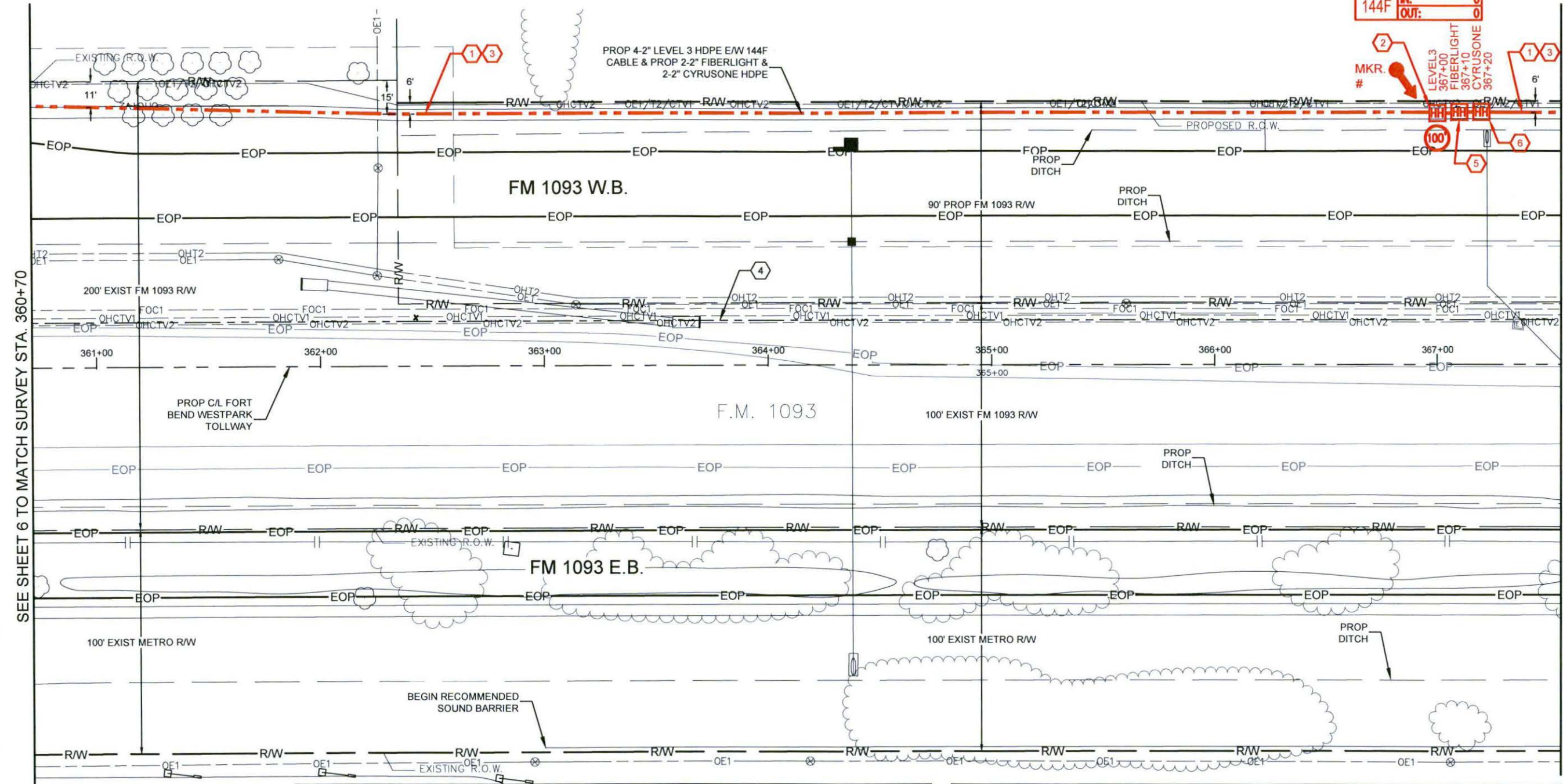
PROJECT NUMBER:
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: HOR: 1"=50'

SHEET 7 OF 31

CONFIDENTIAL/PROPRIETARY



SEE SHEET 6 TO MATCH SURVEY STA. 360+70

SEE SHEET 8 TO MATCH SURVEY STA. 367+60

Page Rake Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	
MAT-90970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Rake Off - Work Performed

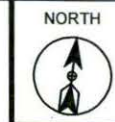
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	690	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	690	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' IN COIL)	FT	790	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	3	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,830	



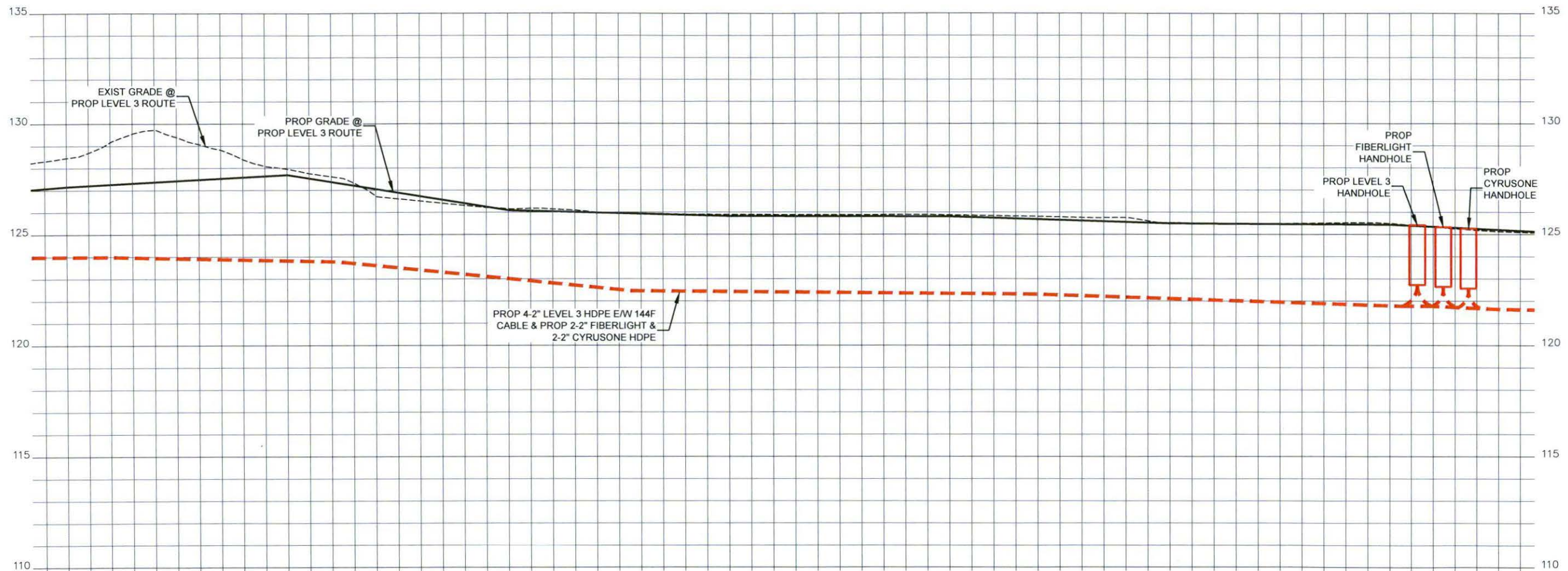
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1-800-545-6005
48 HOURS NOTICE REQUIRED

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 7A OF 31

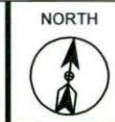
CONFIDENTIAL/PROPRIETARY

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 440'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 240'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE

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

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

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2-2-16		REVISION # 1
11-13-15		ORIGINAL
DRAFTING		COMMENT



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

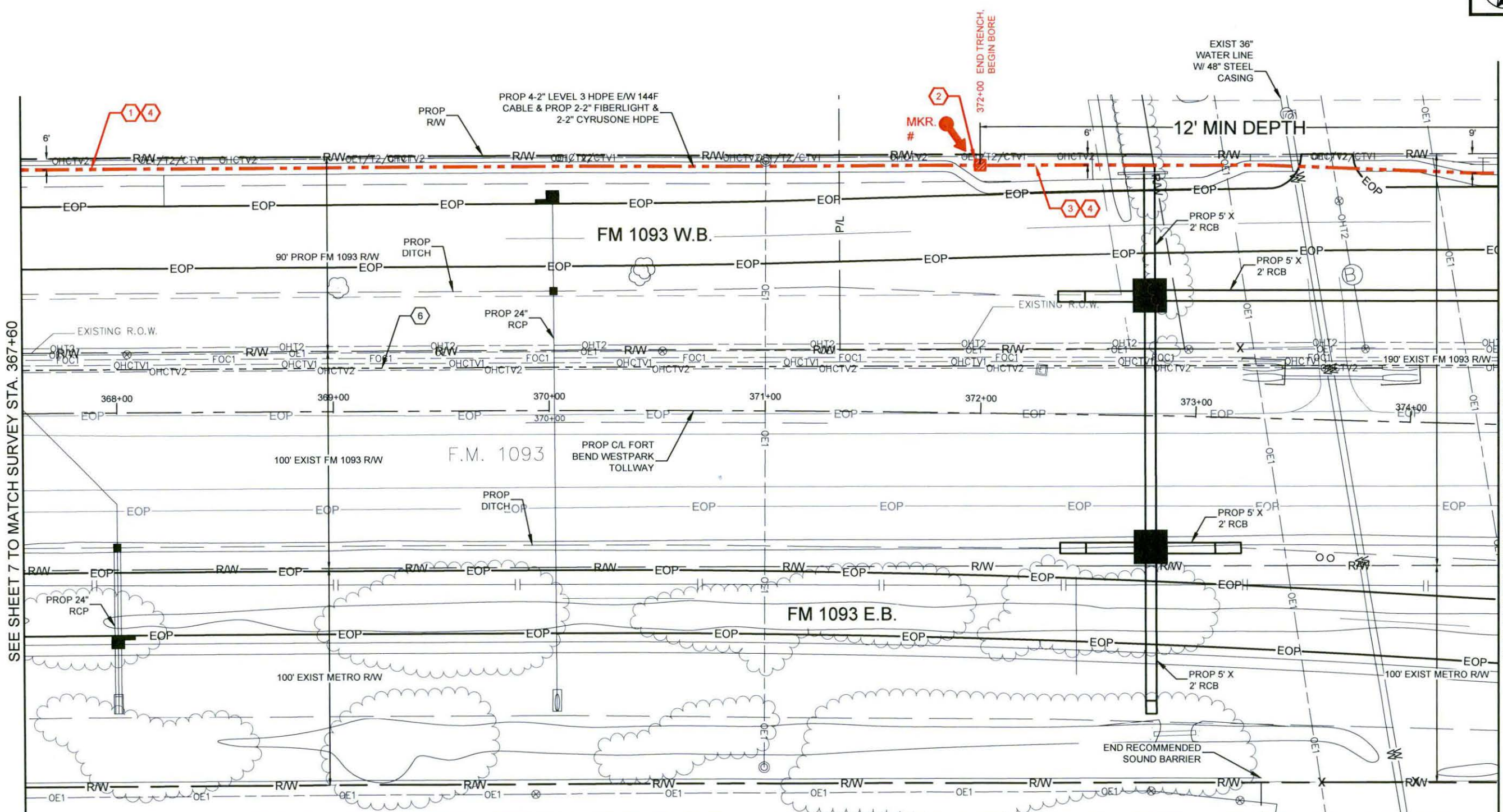
SCALE: HOR: 1"=50'

SHEET 8 OF 31

CONFIDENTIAL/PROPRIETARY

SEE SHEET 7 TO MATCH SURVEY STA. 367+60

SEE SHEET 9 TO MATCH SURVEY STA. 374+40



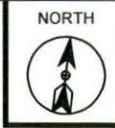
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	440	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	440	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	240	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	680	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	1	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,080	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	1,680	

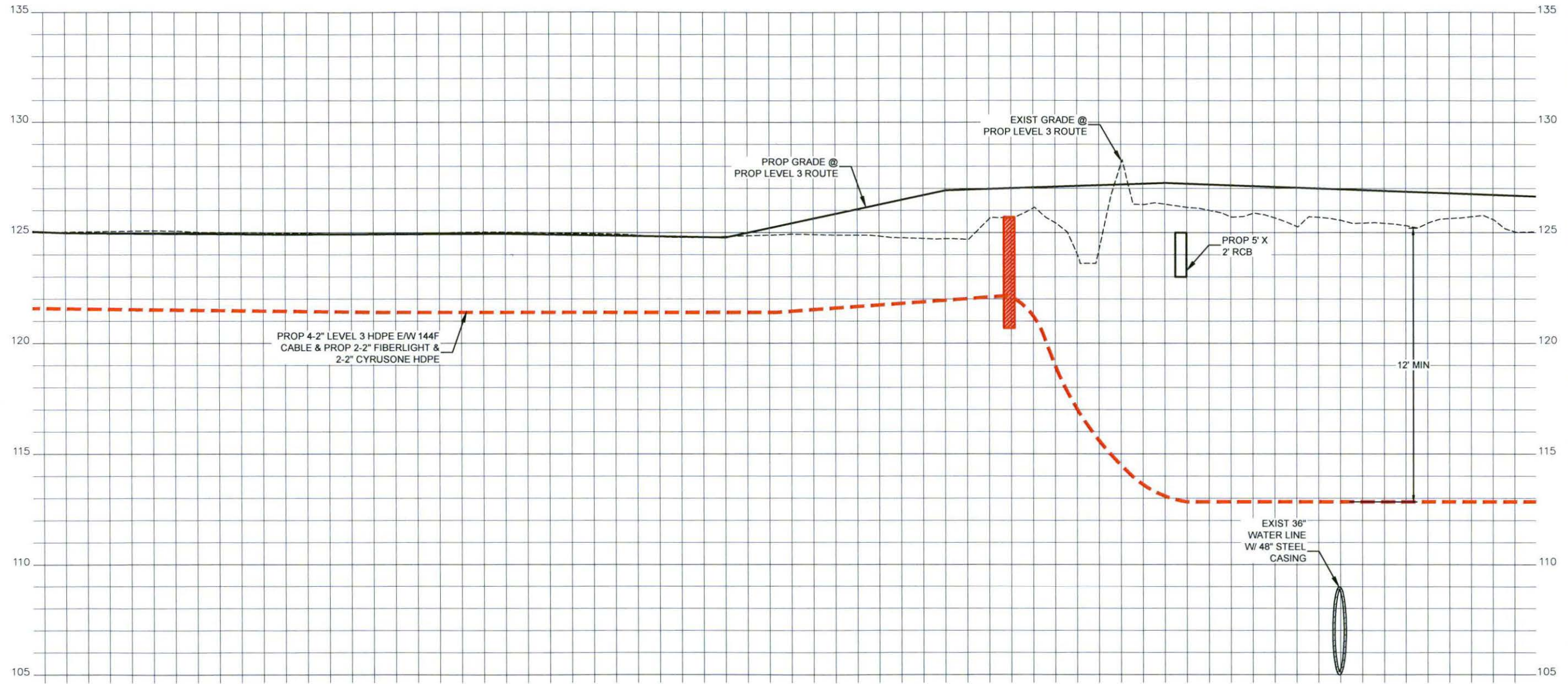
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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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2-2-16		REVISION # 1
11-13-15		ORIGINAL
	DRAFTING	COMMENT



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 8A OF 31

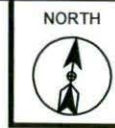
CONFIDENTIAL/PROPRIETARY

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 210'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 480'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE

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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

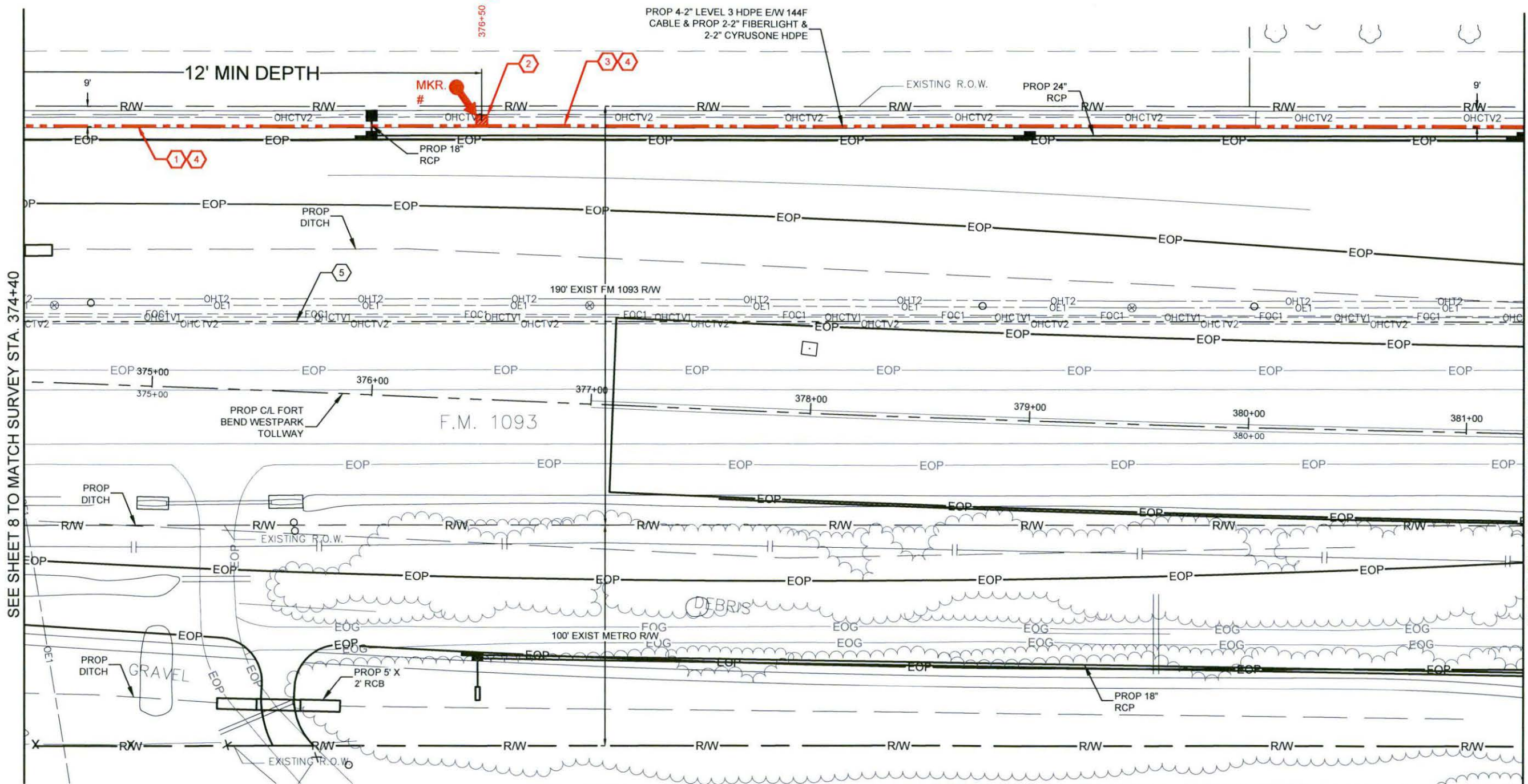
PROJECT NUMBER:
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: HOR: 1"=50'

SHEET 9 OF 31

CONFIDENTIAL/PROPRIETARY



Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	480	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	480	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	210	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	690	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	1	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,360	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	1,470	

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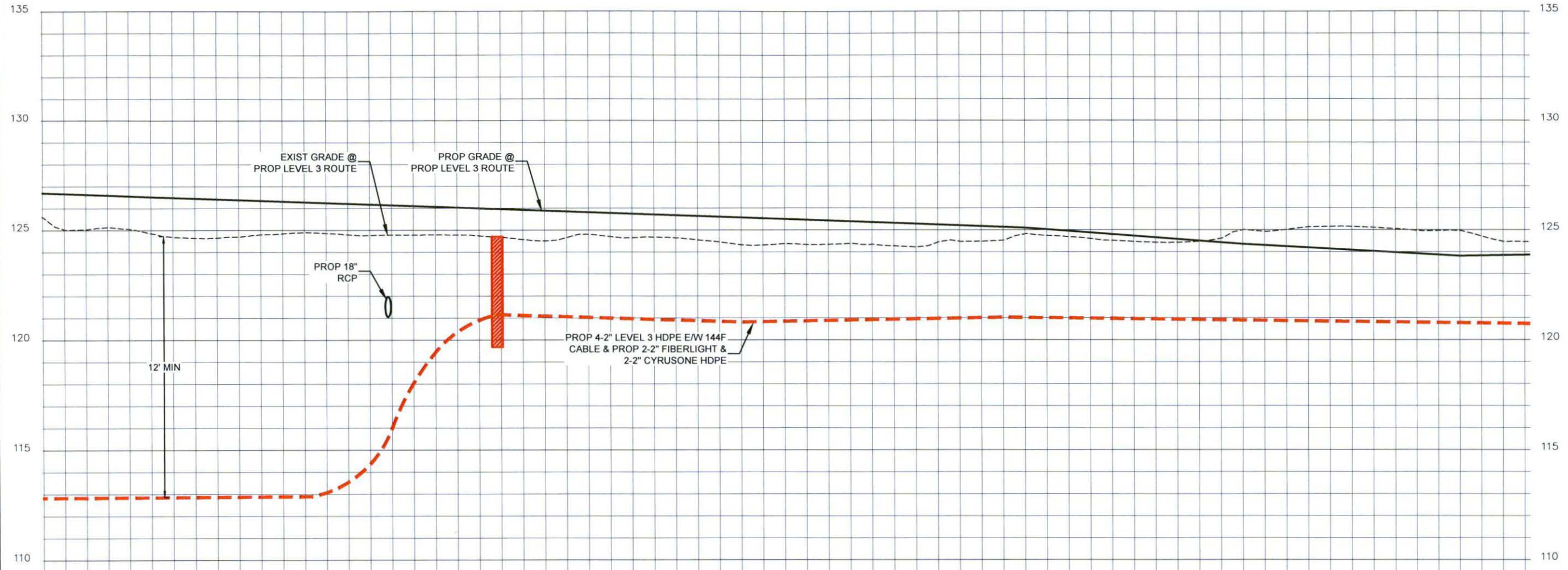
SEE SHEET 8 TO MATCH SURVEY STA. 374+40

SEE SHEET 10 TO MATCH SURVEY STA. 381+40

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 9A OF 31

CONFIDENTIAL/PROPRIETARY

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



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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 520'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 160'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE

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

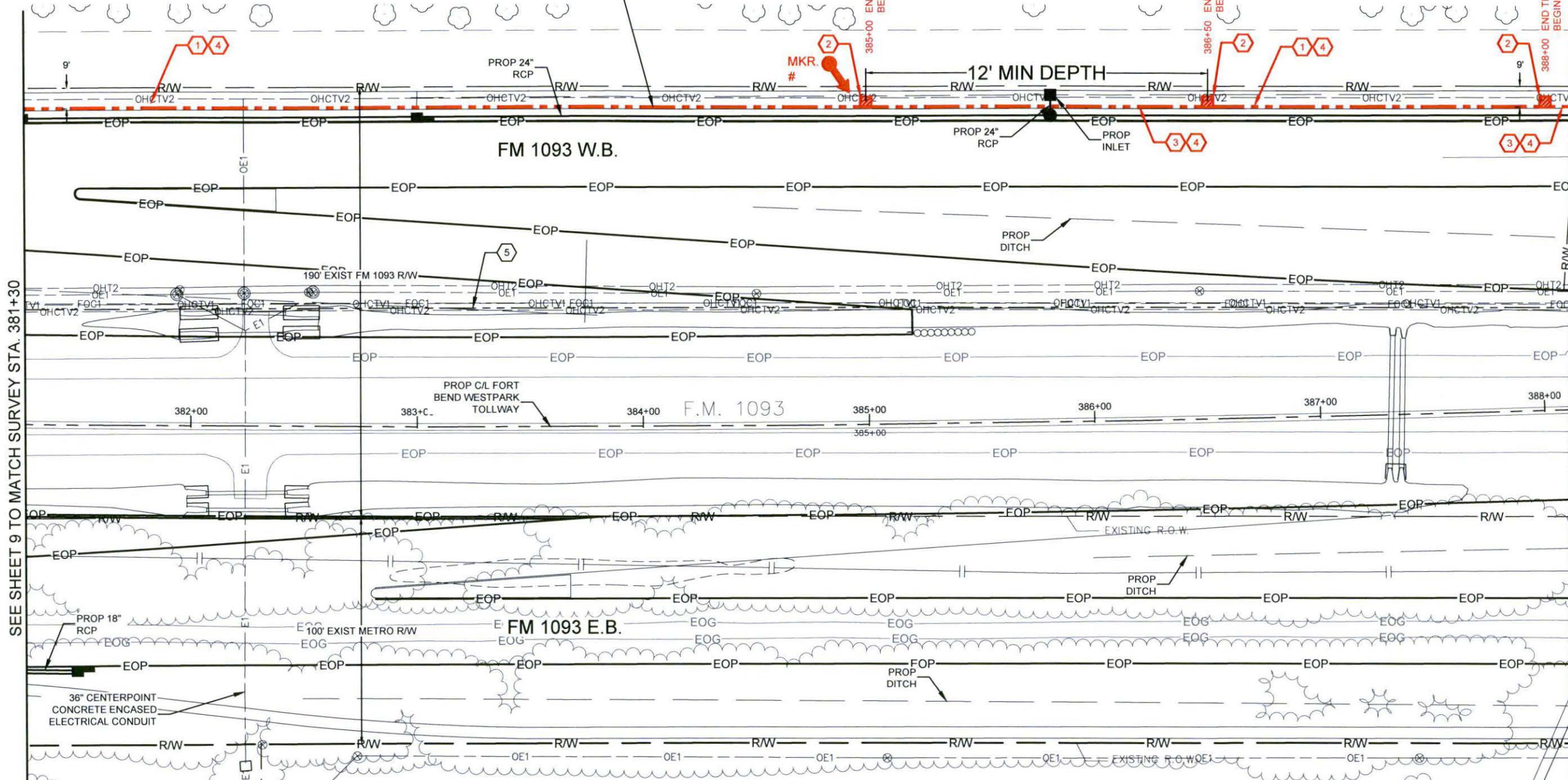
- 8-2" HDPE CONFIGURATION
- 4-2" LEVEL(3)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2-2" FIBERLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2-2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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DRAFTING	COMMENT	



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 10 OF 31
CONFIDENTIAL/PROPRIETARY



Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	520	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	520	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	160	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	680	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	3	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,640	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	1,120	

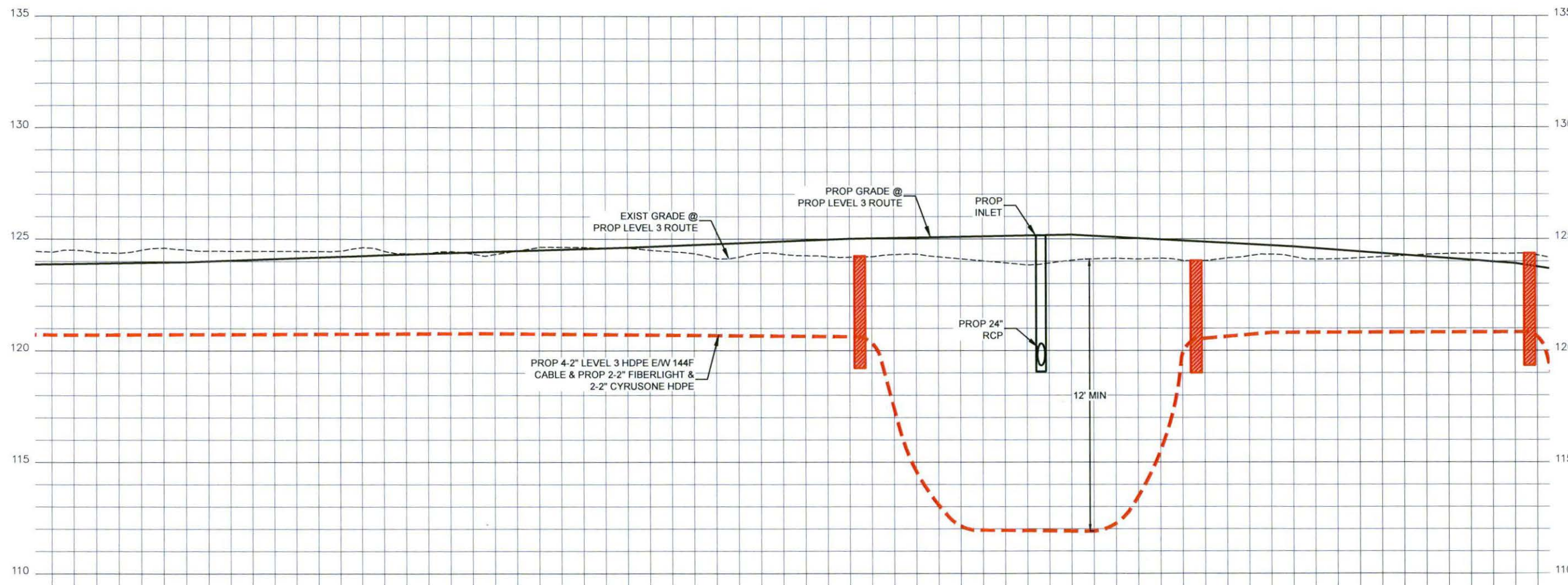
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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

8-2" HDPE CONFIGURATION

4-2" LEVEL(3)

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

2-2" FIBERLIGHT

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

2-2" CYRUSONE

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

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2-2-16		REVISION # 1
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DRAFTING		COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 10A OF 31

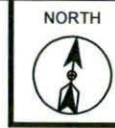
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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 590'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 2 LEVEL3 HANDHOLE
COIL 100' 1-144F IN HH
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 100'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 790'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE
- 6 FIBERLIGHT HANDHOLE
- 7 CYRUSONE HANDHOLE

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

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

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2-2-16		REVISION # 1
11-13-15		ORIGINAL
		DRAFTING COMMENT



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

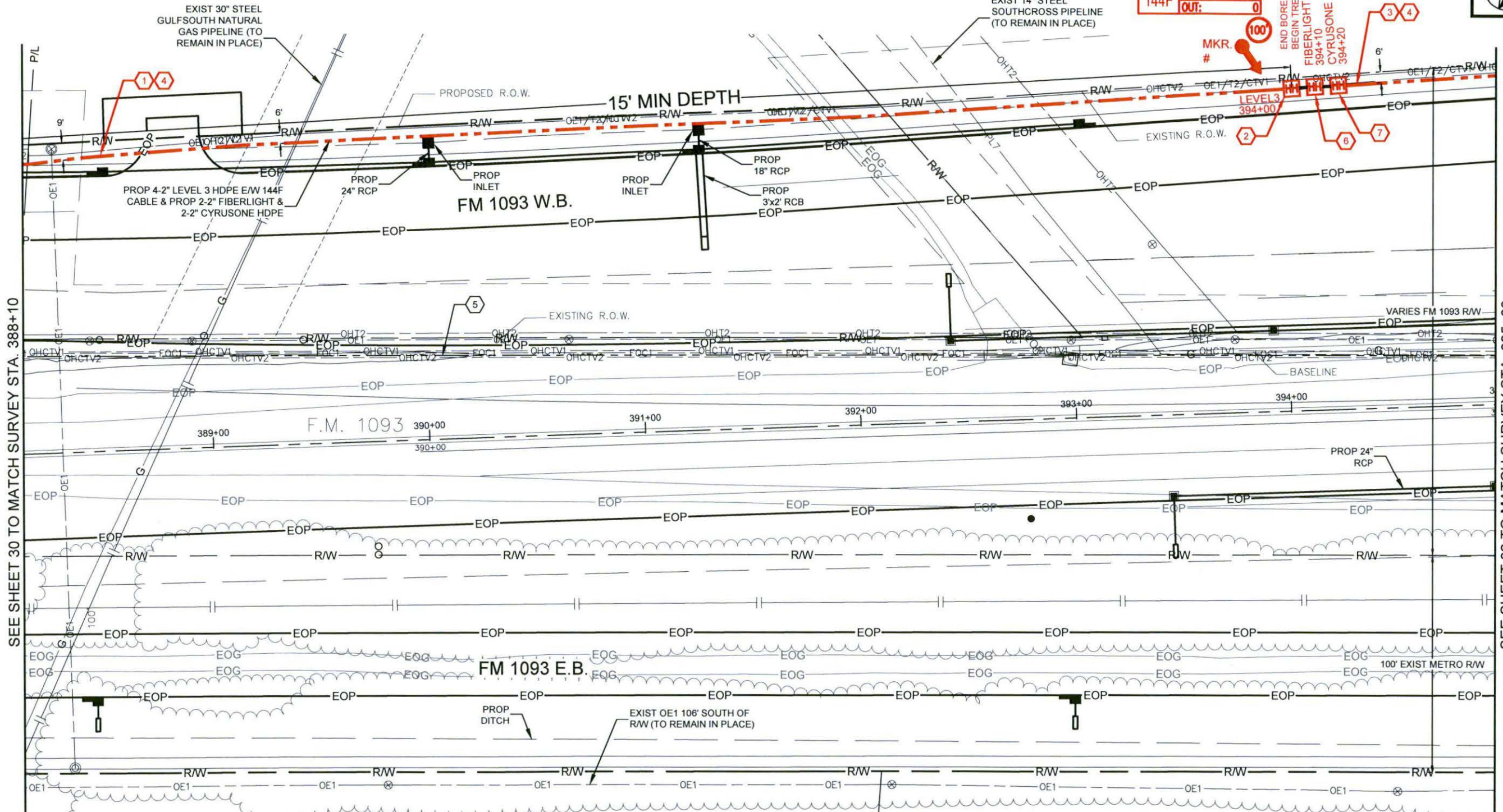
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: HOR: 1"=50'

SHEET 11 OF 31

CONFIDENTIAL/PROPRIETARY



SEE SHEET 30 TO MATCH SURVEY STA. 388+10

SEE SHEET 32 TO MATCH SURVEY STA. 395+00

Page Rake Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	
MAT-90970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Page Rake Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	100	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	100	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	590	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' IN COIL)	FT	790	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	3	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	700	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	4,130	



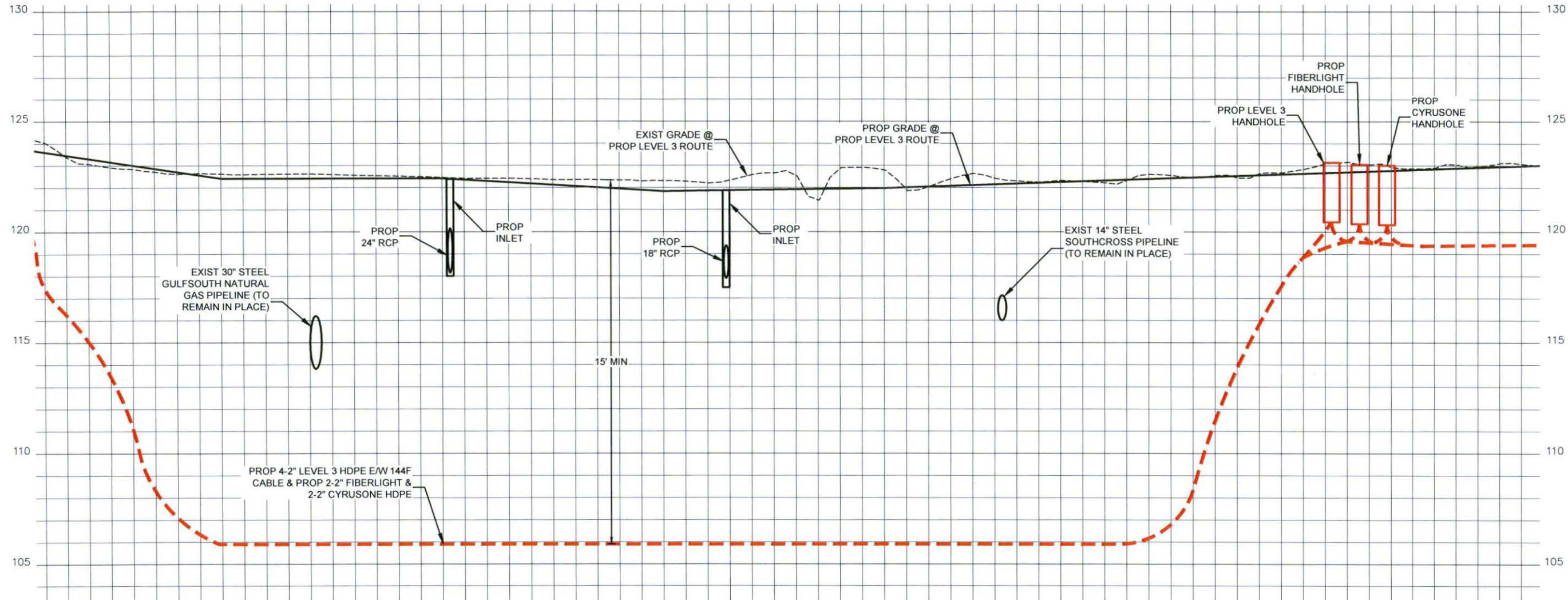
CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 11A OF 31

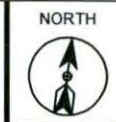
CONFIDENTIAL/PROPRIETARY

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CALL BEFORE YOU DIG
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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 480'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 200'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE

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

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

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



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

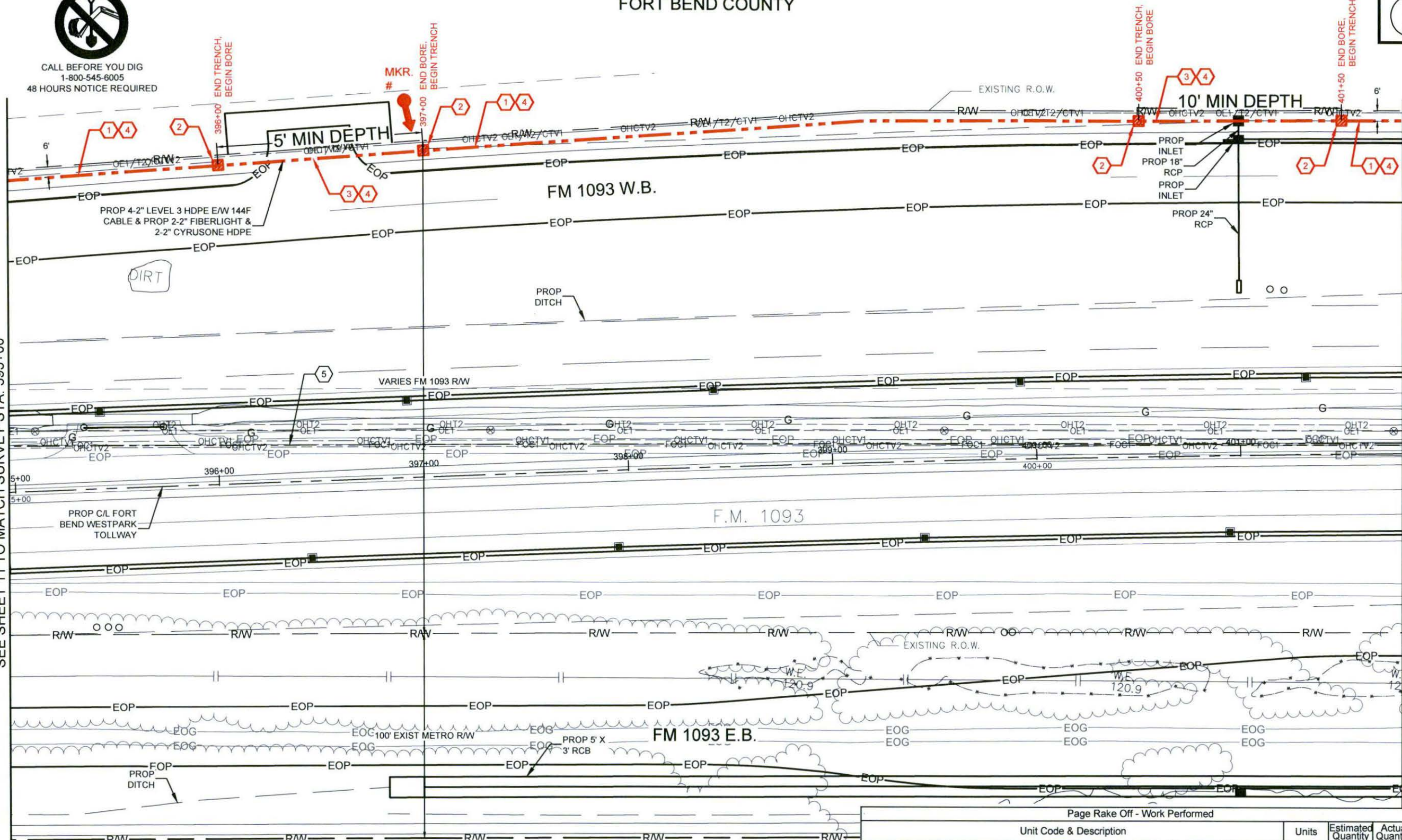
SCALE: HOR: 1"=50'
SHEET 12 OF 31
CONFIDENTIAL/PROPRIETARY



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

SEE SHEET 11 TO MATCH SURVEY STA. 395+00

SEE SHEET 13 TO MATCH SURVEY STA. 401+80

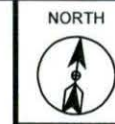


Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

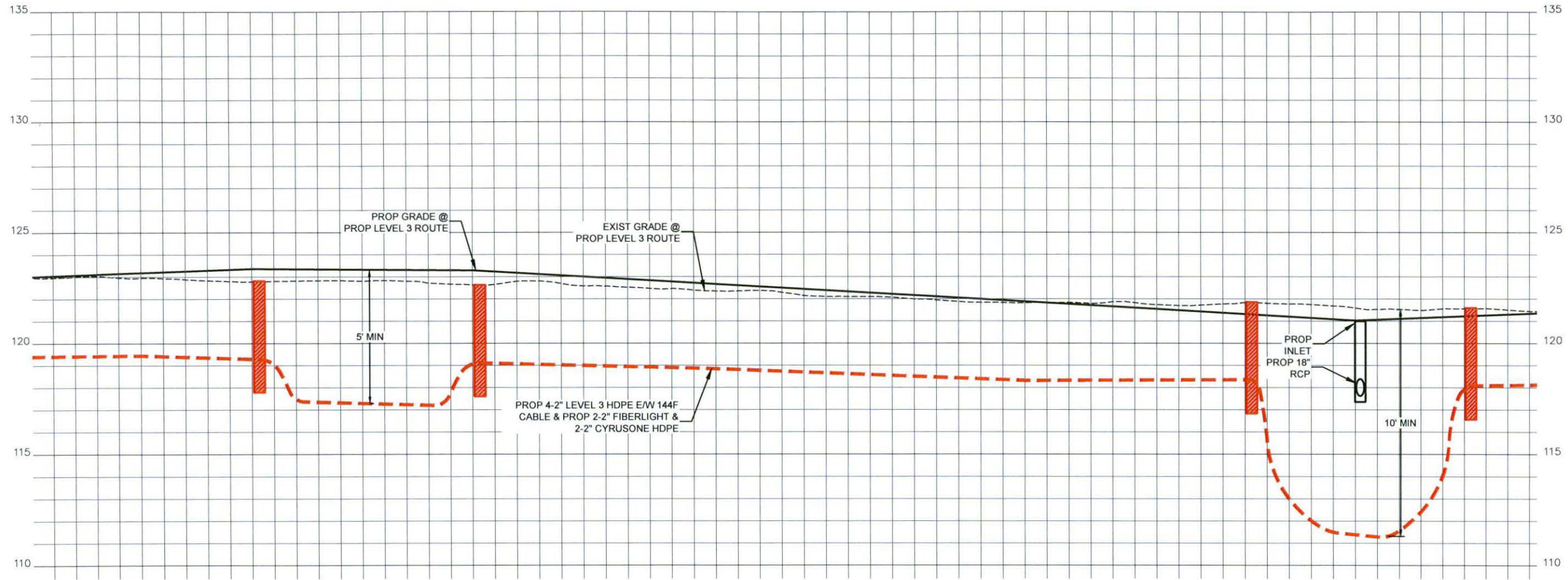
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	480	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	480	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	200	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	680	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	4	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,360	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	1,400	

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 12A OF 31

CONFIDENTIAL/PROPRIETARY

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



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

HOUSTON, TX
FORT BEND COUNTY



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

CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 490'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 200'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE

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

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

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

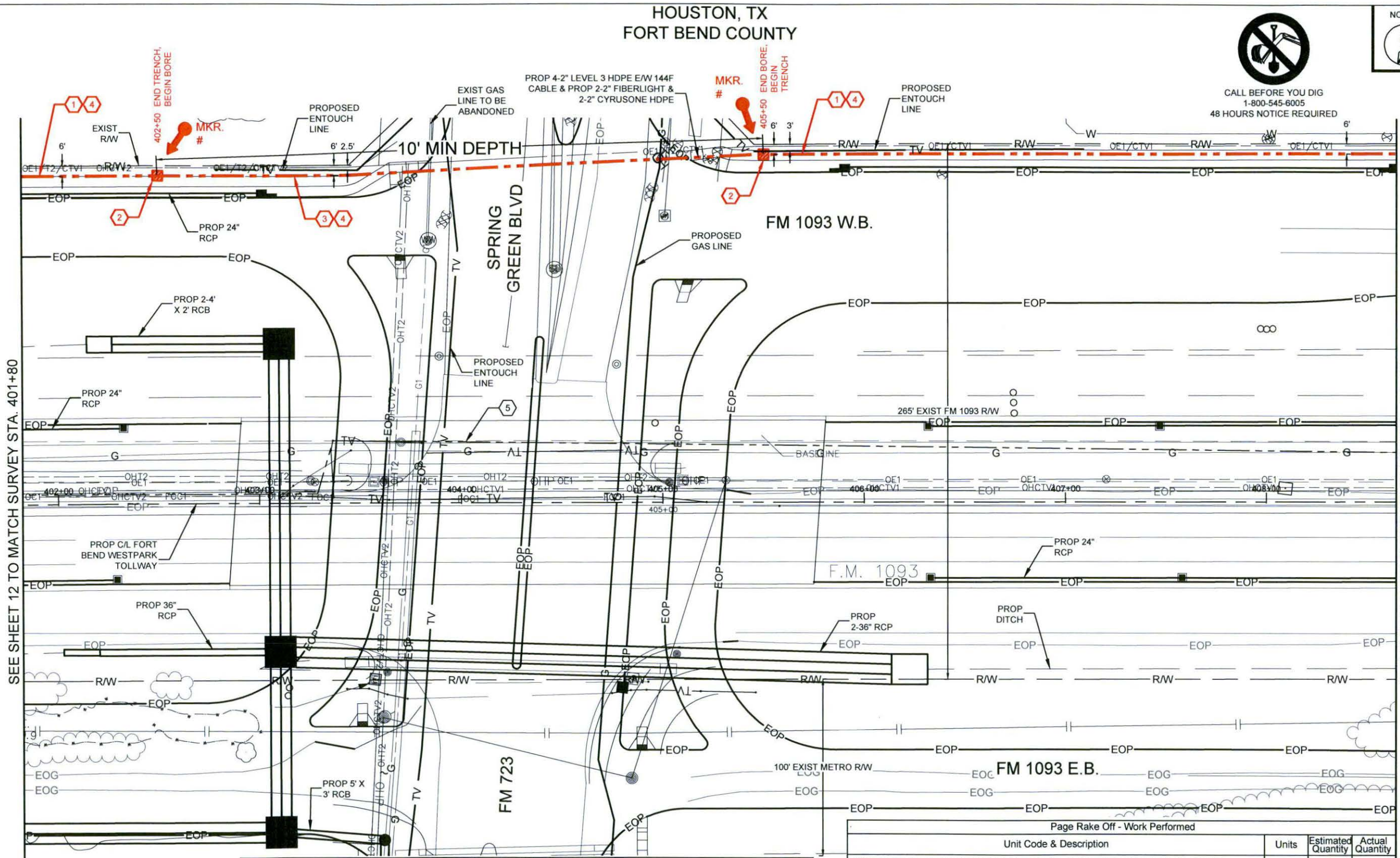


LEVEL 3 ENGINEER:
KEITH HALL
ENGINEERING FIRM:
GOLDEN FIELD SERVICES
PROJECT NUMBER:
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NAME:

SCALE: HOR: 1"=50'

SHEET 13 OF 31

CONFIDENTIAL/PROPRIETARY



SEE SHEET 12 TO MATCH SURVEY STA. 401+80

SEE SHEET 14 TO MATCH SURVEY STA. 408+70

Page Rake Off - Materials

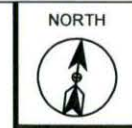
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Rake Off - Work Performed

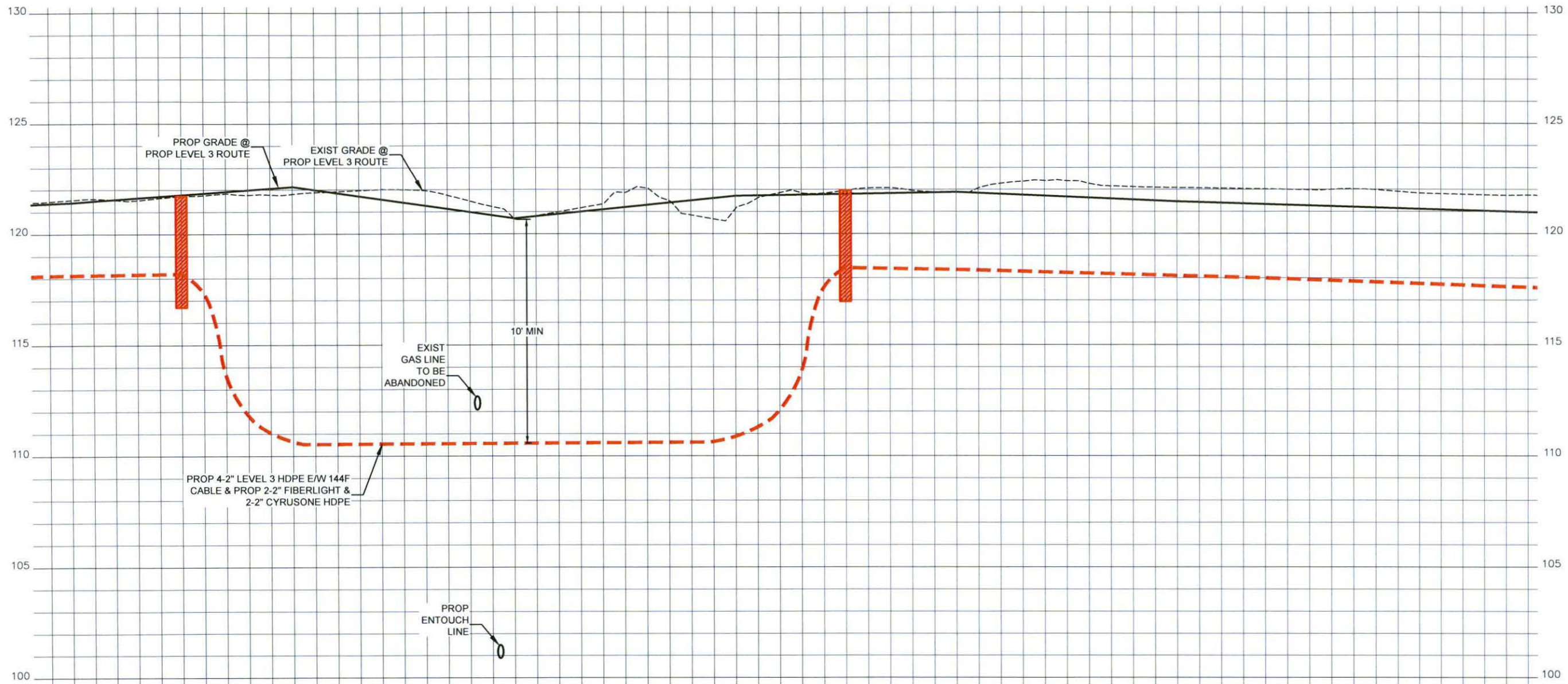
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	490	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	490	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	200	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	690	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	2	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,430	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	1,400	

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 13A OF 31

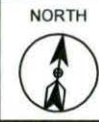
CONFIDENTIAL/PROPRIETARY

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 580'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 LEVEL3 HANDHOLE
COIL 100' 1-144F IN HH
- 3 PROPOSED BOREPIT
- 4 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 100'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 780'
- 6 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE
REPOSITION SLACK (7,119')
- 7 LEVEL3 HANDHOLE
REMOVE HANDHOLE
- 8 FIBERLIGHT HANDHOLE
- 9 CYRUSONE HANDHOLE

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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

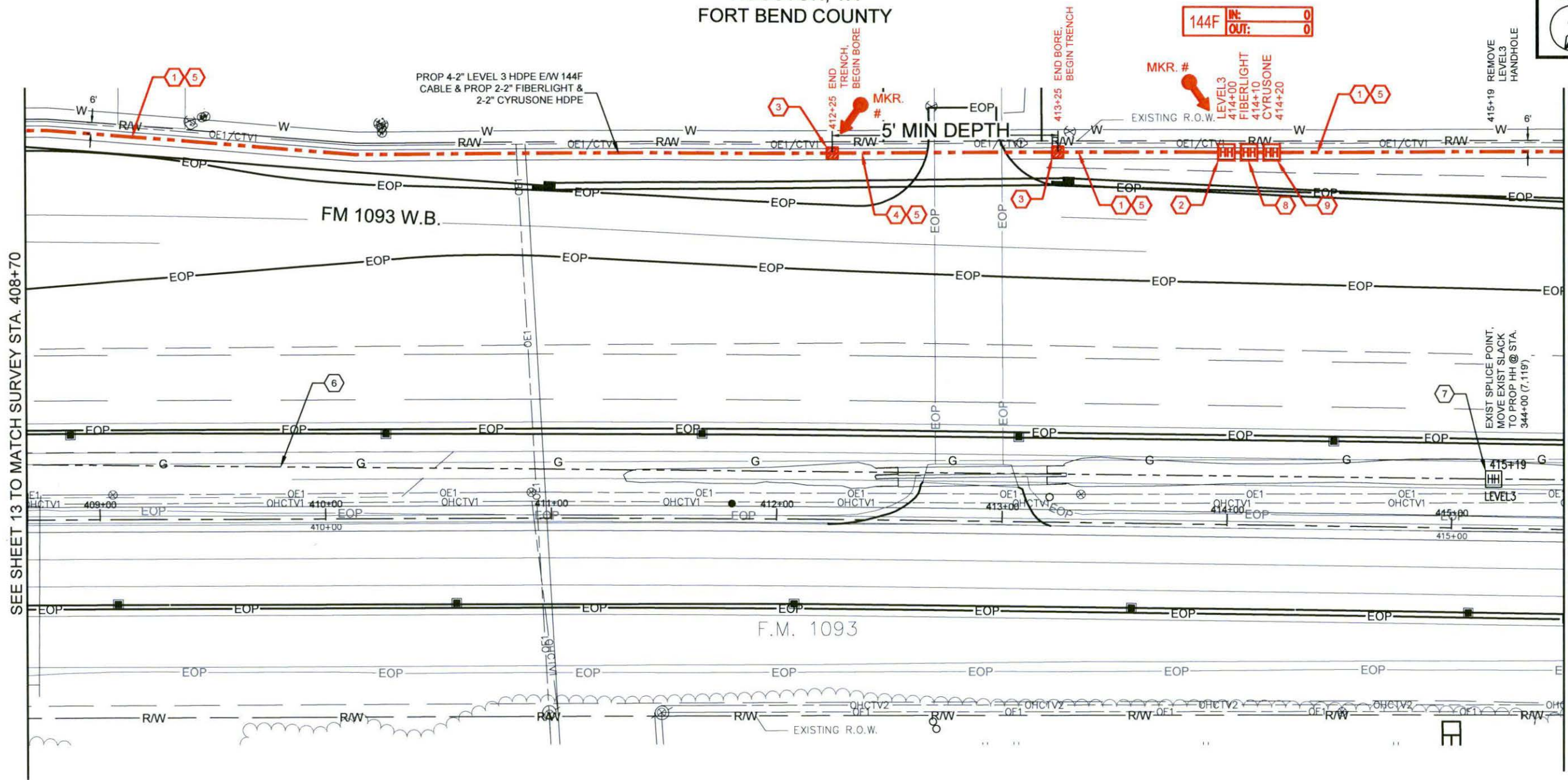
SCALE: HOR: 1"=50'

SHEET 14 OF 31

CONFIDENTIAL/PROPRIETARY

SEE SHEET 13 TO MATCH SURVEY STA. 408+70

SEE SHEET 15 TO MATCH SURVEY STA. 415+50



PROP 4-2" LEVEL 3 HDPE E/W 144F
CABLE & PROP 2-2" FIBERLIGHT &
2-2" CYRUSONE HDPE

5' MIN DEPTH

144F IN: 0
OUT: 0

EXIST SPICE POINT,
MOVE EXIST SLACK
TO PROP HH @ STA.
344+00 (7,119)

Page Rake Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-90970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Rake Off - Work Performed

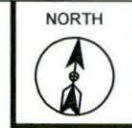
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	580	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	580	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	100	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' IN COIL)	FT	780	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	2	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31380-S - REMOVE EXISTING - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	1	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,060	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	700	

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

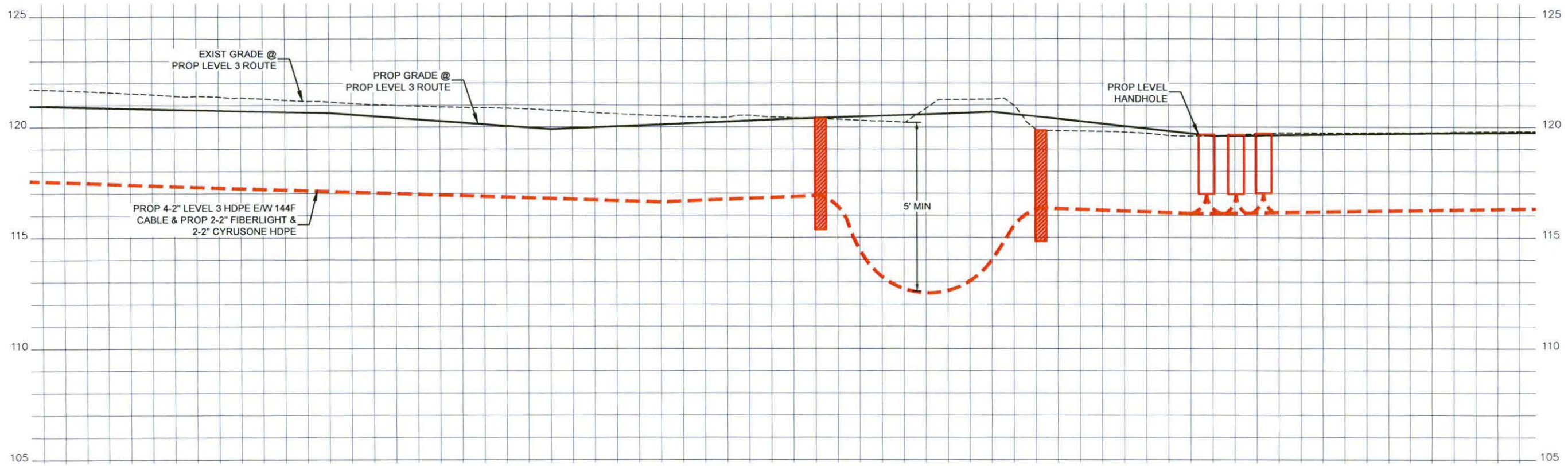


CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

8-2" HDPE CONFIGURATION

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 14A OF 31

CONFIDENTIAL/PROPRIETARY

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 530'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 150'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE

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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

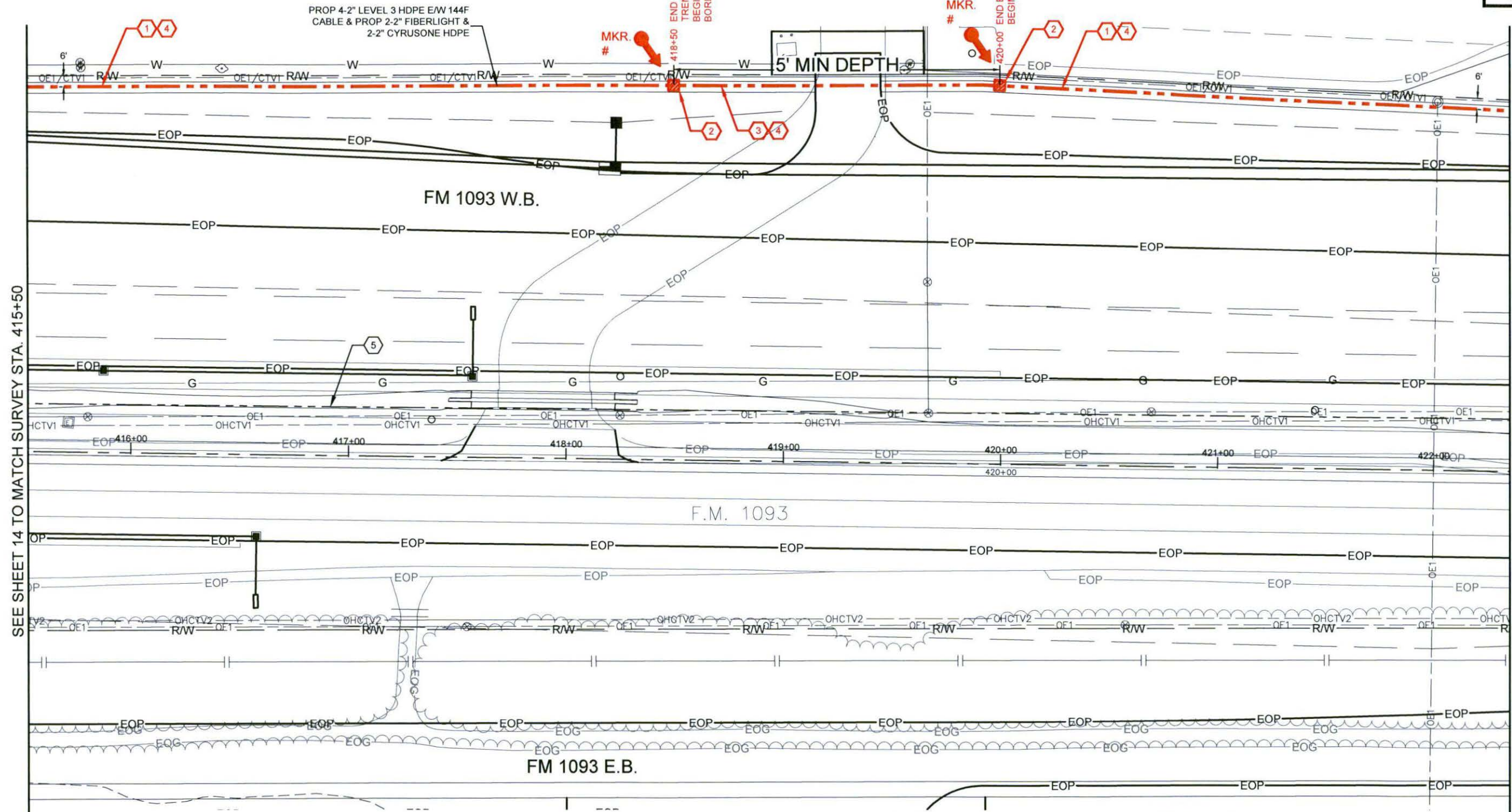
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: HOR: 1"=50'

SHEET 15 OF 31

CONFIDENTIAL/PROPRIETARY



SEE SHEET 14 TO MATCH SURVEY STA. 415+50

SEE SHEET 16 TO MATCH SURVEY STA. 422+30

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

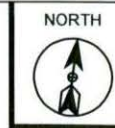
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	530	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	530	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	150	
UGB-30960-S - 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-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	3,710	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	1,050	



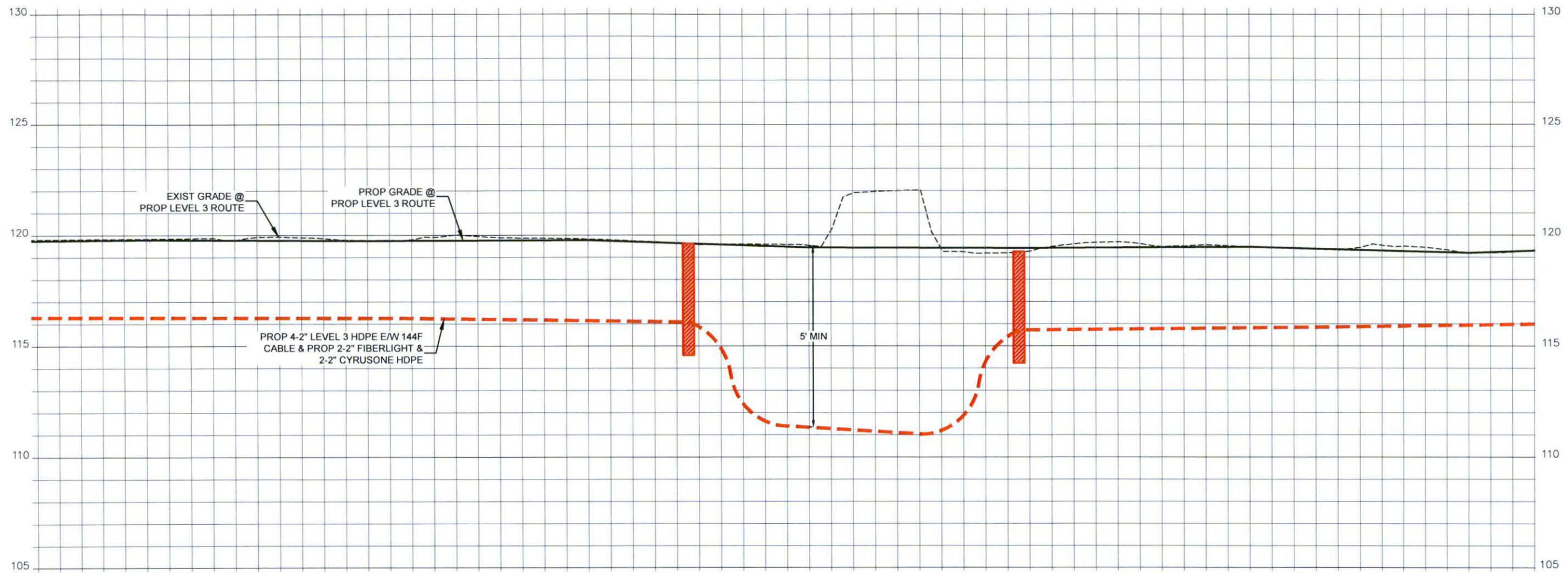
CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



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48 HOURS NOTICE REQUIRED

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

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 15A OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY

NORTH



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 670'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 20'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE

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

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

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



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

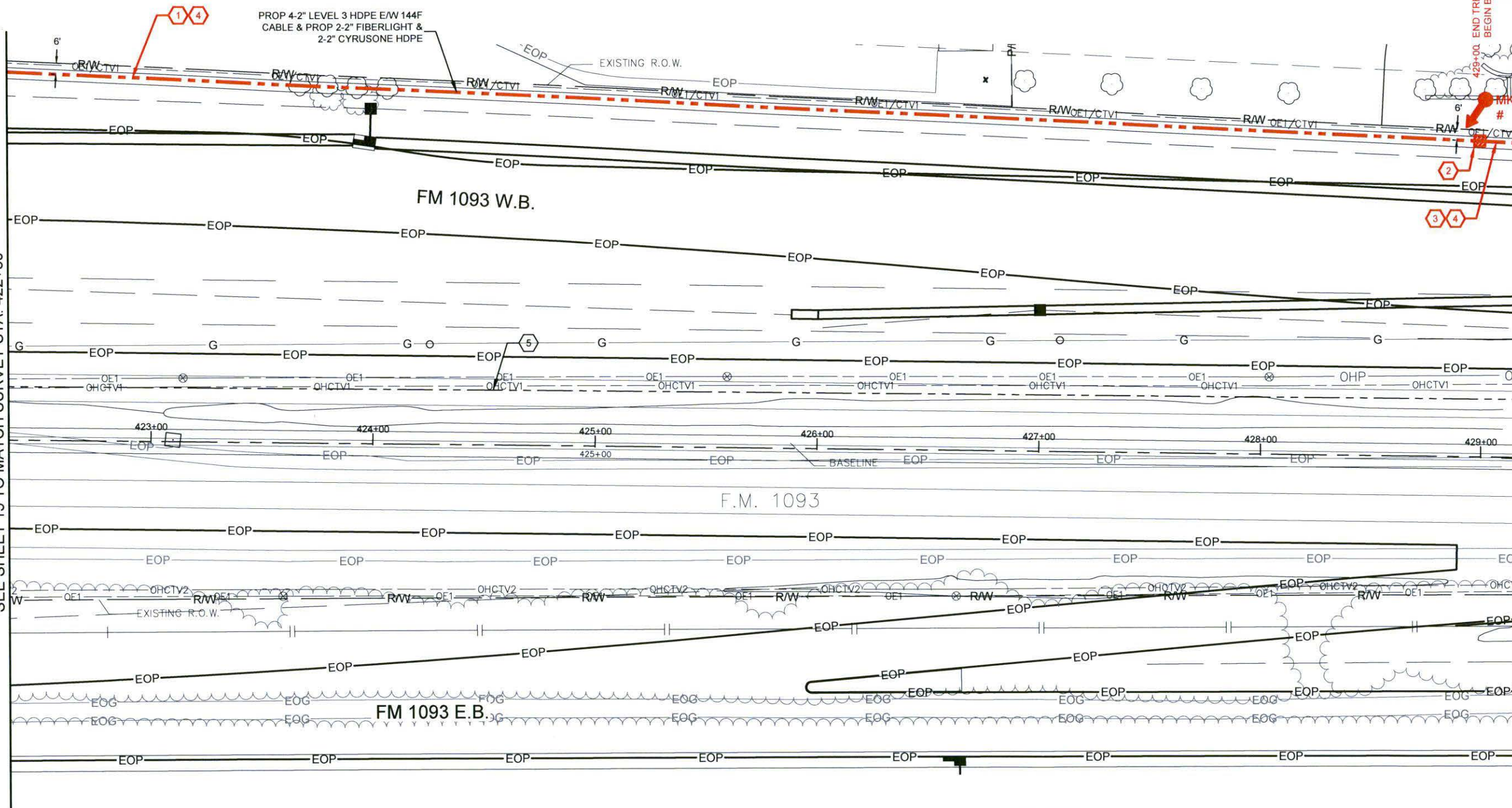
SCALE: HOR: 1"=50'

SHEET 16 OF 31

CONFIDENTIAL/PROPRIETARY

SEE SHEET 15 TO MATCH SURVEY STA. 422+30

SEE SHEET 17 TO MATCH SURVEY STA. 429+20



Page Rake Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

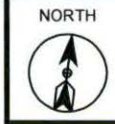
Page Rake Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	670	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	670	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	20	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	690	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	1	
UGB-31080-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,690	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL HDPE UP TO 2"	FT	140	

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

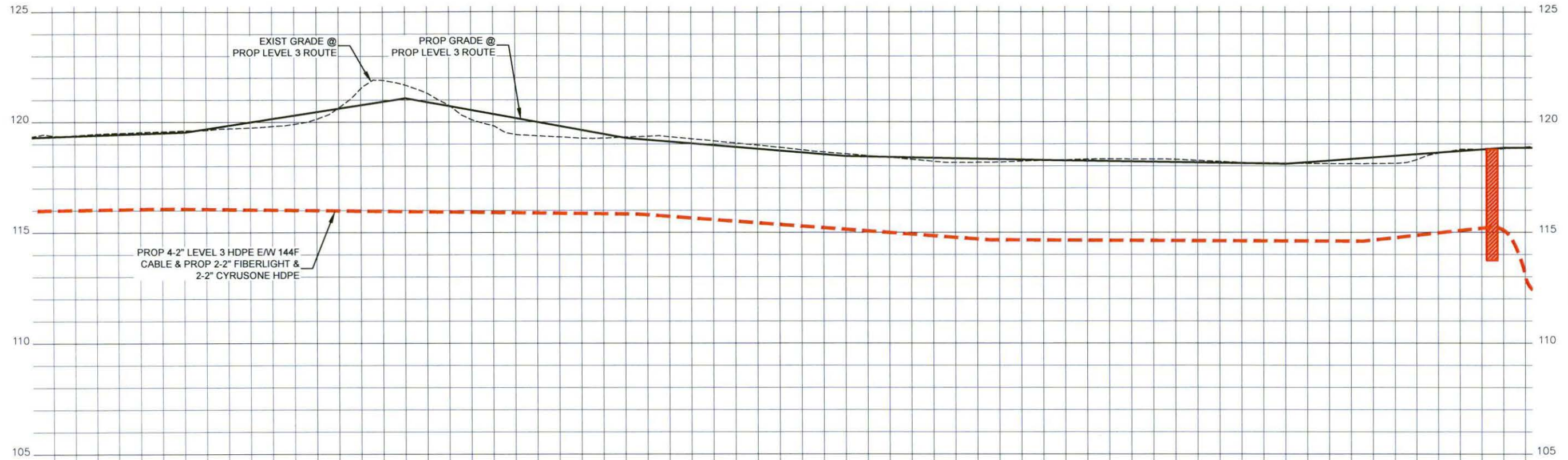


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1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 16A OF 31

CONFIDENTIAL/PROPRIETARY

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



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1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY

NORTH



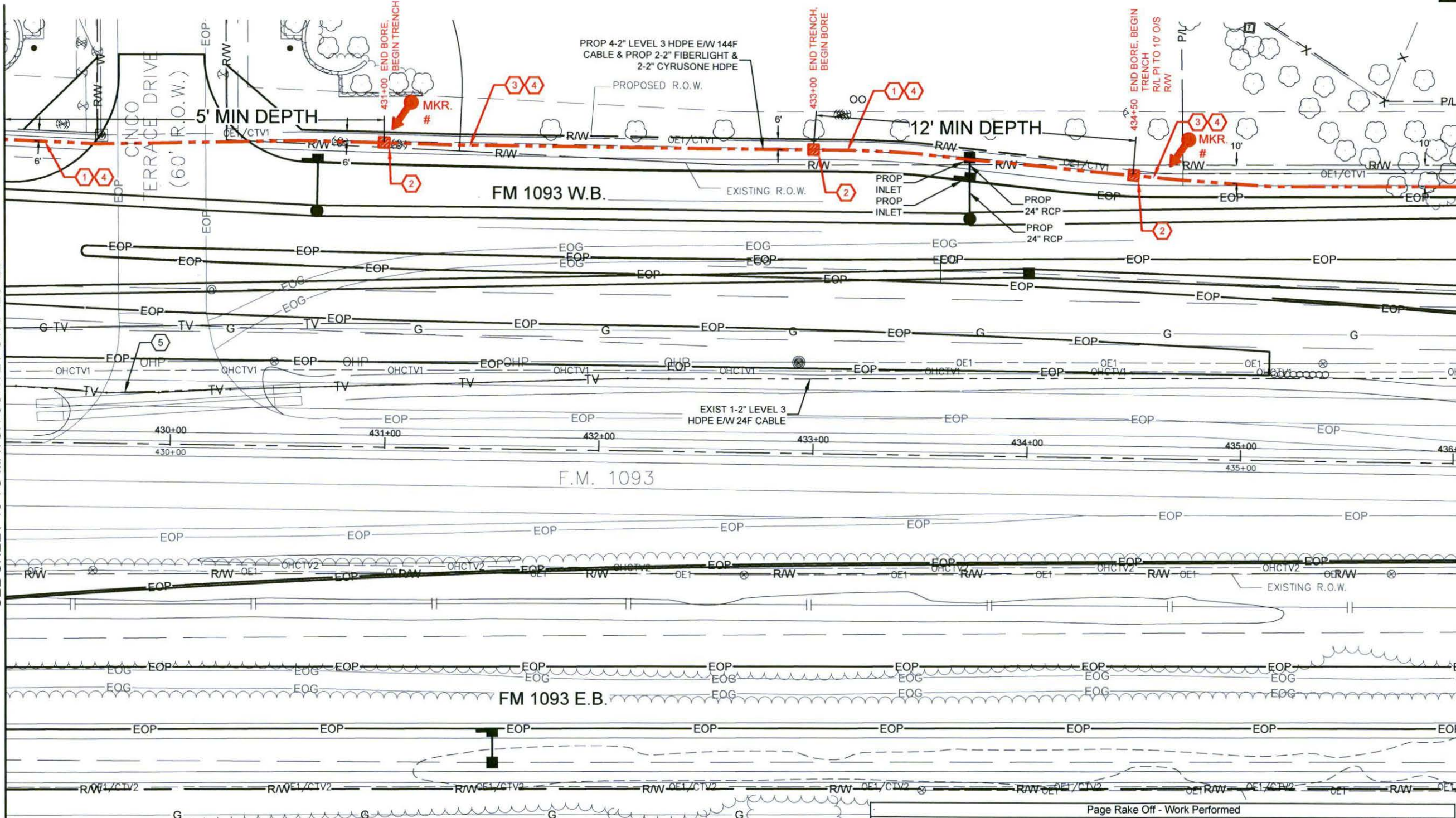
CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 330'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 2 PROPOSED BOREPT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 360'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE

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

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

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



SEE SHEET 16 TO MATCH SURVEY STA. 429+20

SEE SHEET 18 TO MATCH SURVEY STA. 436+10

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	
MAT-92090 - 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	360	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	360	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	330	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	690	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	3	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,520	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	2,310	



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Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: HOR: 1"=50'

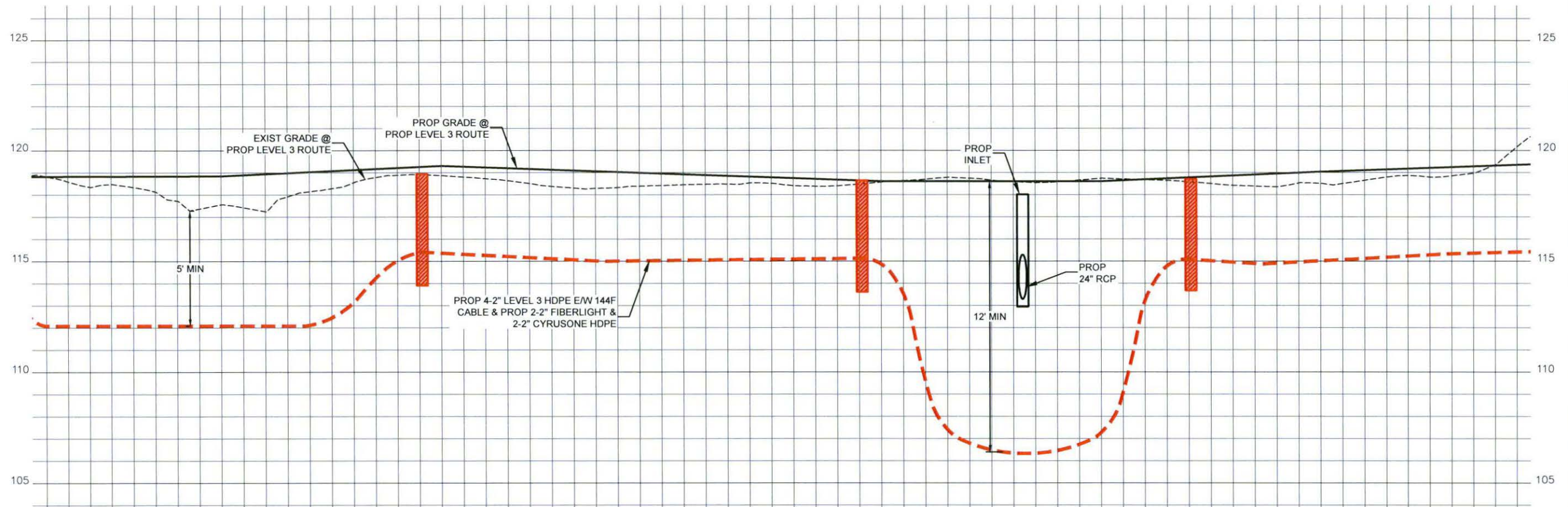
SHEET 17 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

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

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 17A OF 31

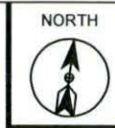
CONFIDENTIAL/PROPRIETARY

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 280'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 LEVEL3 HANDHOLE
COIL 100' 1-144F IN HH
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 780'
- 4 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 400'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 5 PROPOSED BOREPIT
- 6 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE
- 7 FIBERLIGHT HANDHOLE
- 8 CYRUSONE HANDHOLE

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

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

NO.	DATE	ENG DESIGN
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		AS-BUILT
2-2-16		REVISION # 1
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		DRAFTING COMMENT



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

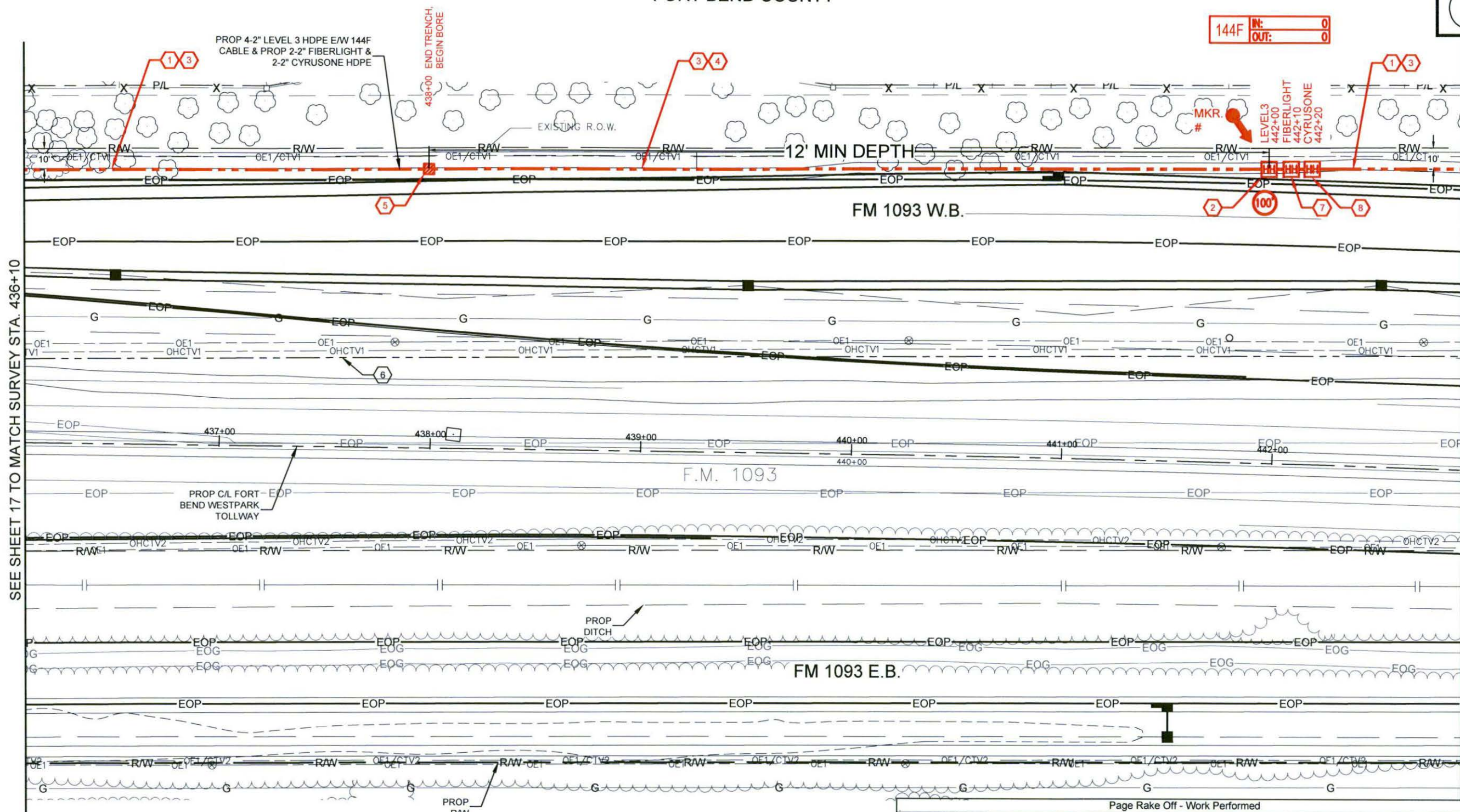
SCALE: HOR: 1"=50'

SHEET 18 OF 31

CONFIDENTIAL/PROPRIETARY

SEE SHEET 17 TO MATCH SURVEY STA. 436+10

SEE SHEET 19 TO MATCH SURVEY STA. 442+90



Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-90970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	280	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	280	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	400	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' IN COIL)	FT	780	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	1	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,960	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	2,800	

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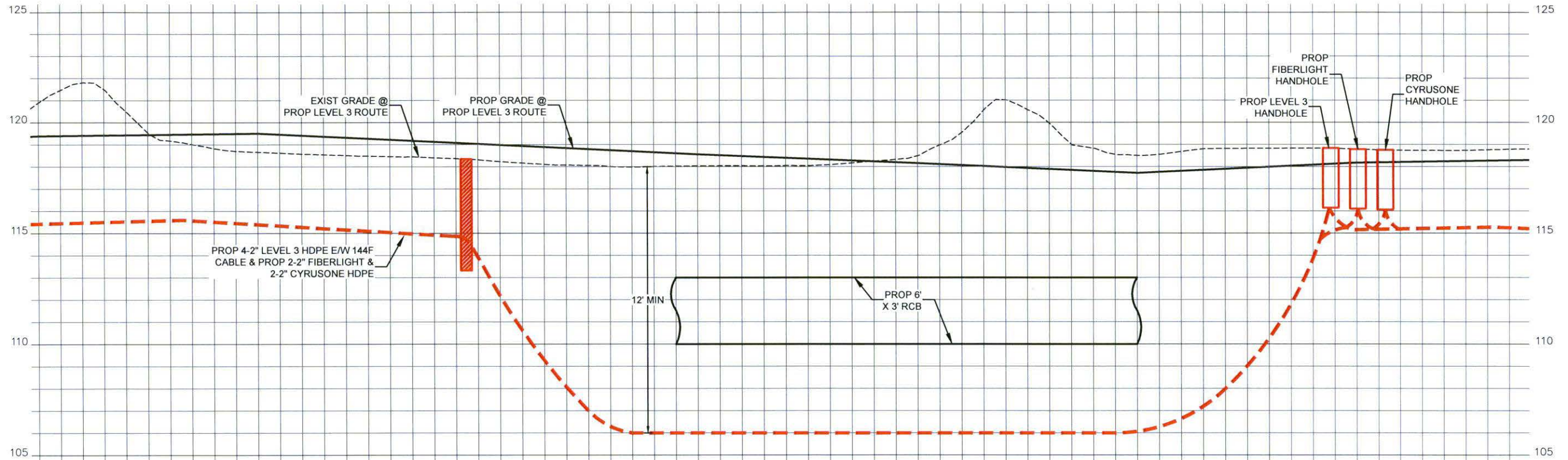


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1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 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 CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



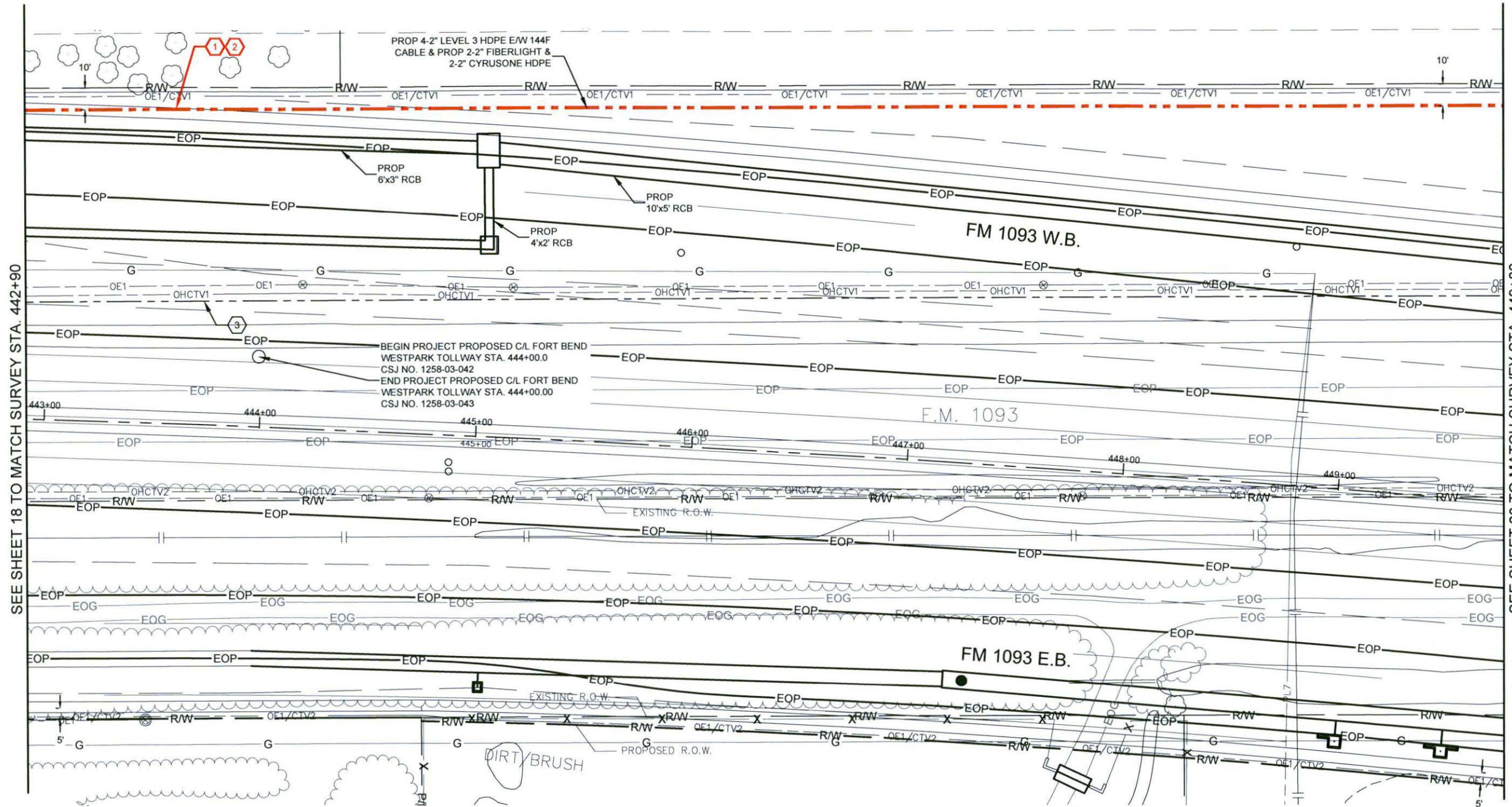
CALL BEFORE YOU DIG
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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 690'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE



SEE SHEET 18 TO MATCH SURVEY STA. 442+90

SEE SHEET 20 TO MATCH SURVEY STA. 449+80

PROP 4-2" LEVEL 3 HDPE E/W 144F
CABLE & PROP 2-2" FIBERLIGHT &
2-2" CYRUSONE HDPE

PROP 6'x3" RCB

PROP 10'x5' RCB

PROP 4'x2' RCB

BEGIN PROJECT PROPOSED C/L FORT BEND
WESTPARK TOLLWAY STA. 444+00.0
CSJ NO. 1258-03-042
END PROJECT PROPOSED C/L FORT BEND
WESTPARK TOLLWAY STA. 444+00.00
CSJ NO. 1258-03-043

FM 1093 W.B.

F.M. 1093

FM 1093 E.B.

DIRTY BRUSH

Page Rake Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	

Page Rake Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500'; TRENCH 48" MINIMUM COVER	FT	690	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	690	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	690	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	4,830	

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



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

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

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

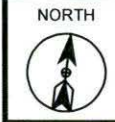
NO.	DATE	ENG DESIGN
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2-2-16		REVISION # 1
11-13-15		ORIGINAL
		DRAFTING COMMENT



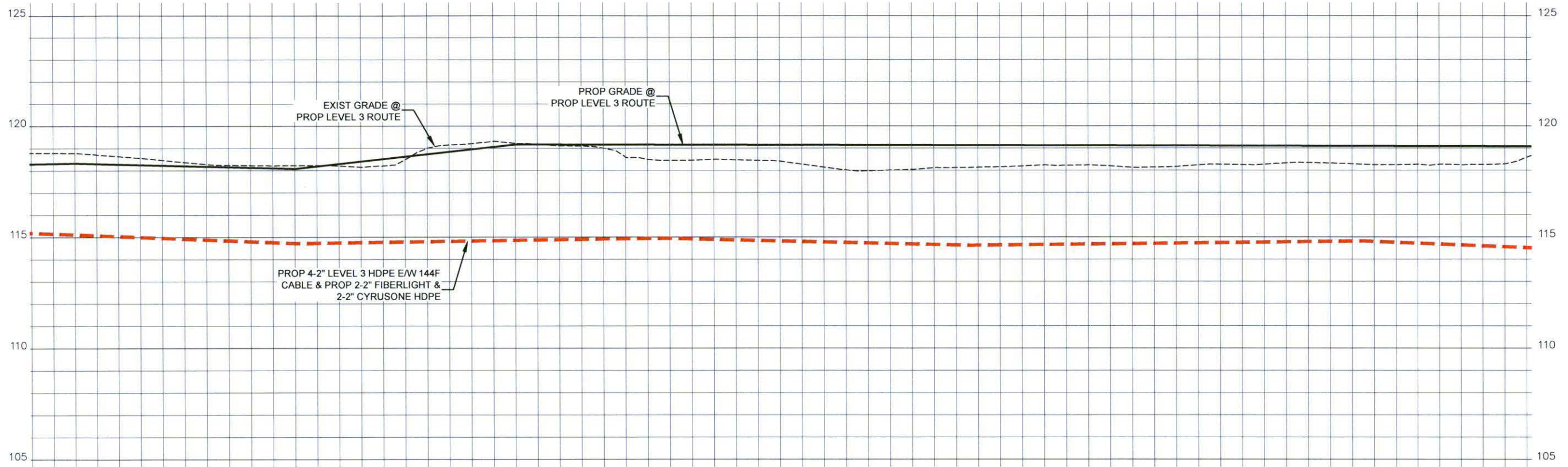
LEVEL 3 ENGINEER:
KEITH HALL
ENGINEERING FIRM:
GOLDEN FIELD SERVICES
PROJECT NUMBER:
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX
DRAWING NAME:

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 19A OF 31

CONFIDENTIAL/PROPRIETARY

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



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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 280'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 3 PROPOSED BOREPIT
- 4 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 400'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE

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

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

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

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

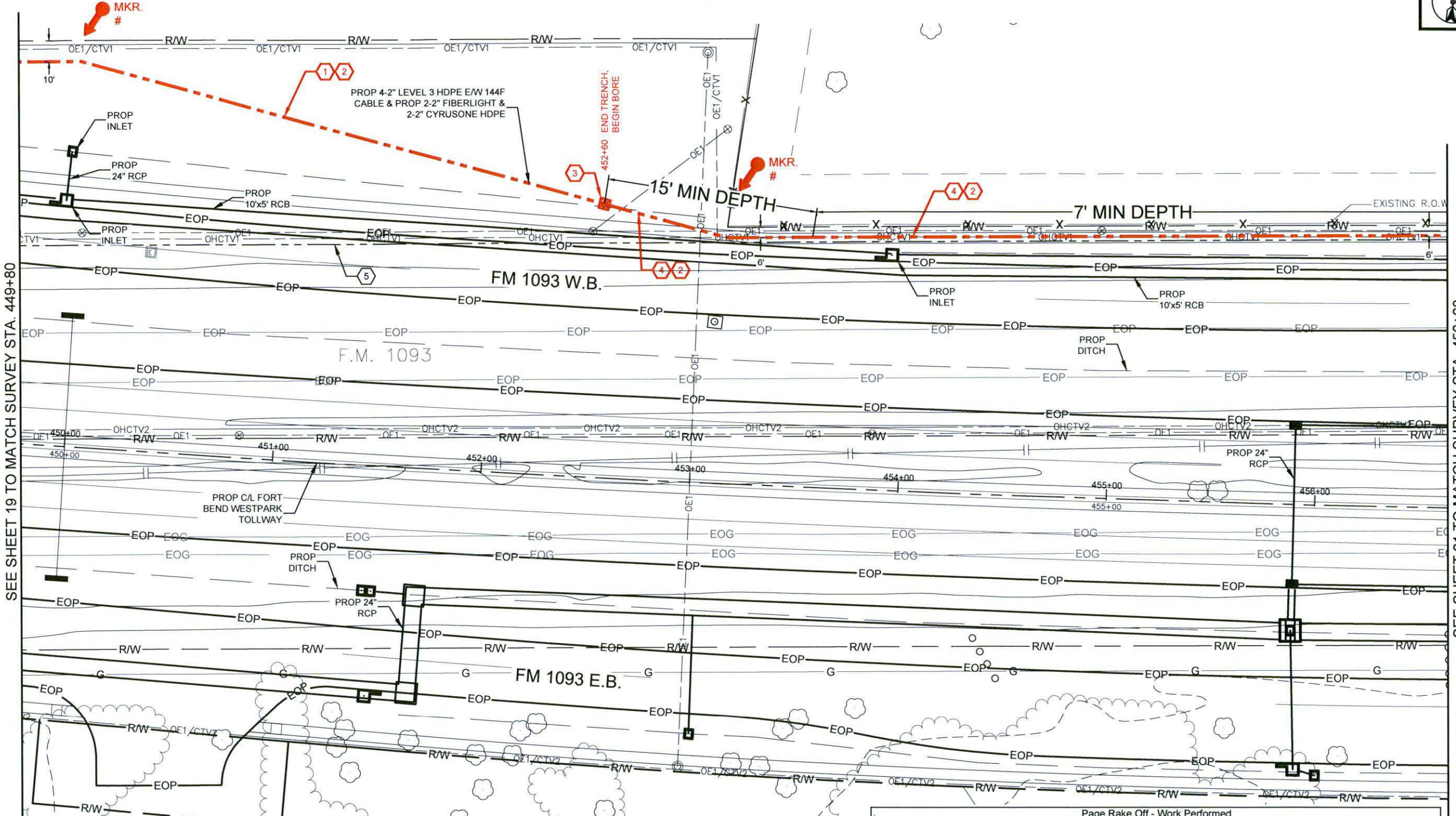
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: HOR: 1"=50'

SHEET 20 OF 31

CONFIDENTIAL/PROPRIETARY



SEE SHEET 19 TO MATCH SURVEY STA. 449+80

SEE SHEET 21 TO MATCH SURVEY STA. 456+60

Page Rake Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Rake Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	280	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	280	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	400	
UGB-30980-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	680	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	1	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,960	
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 CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

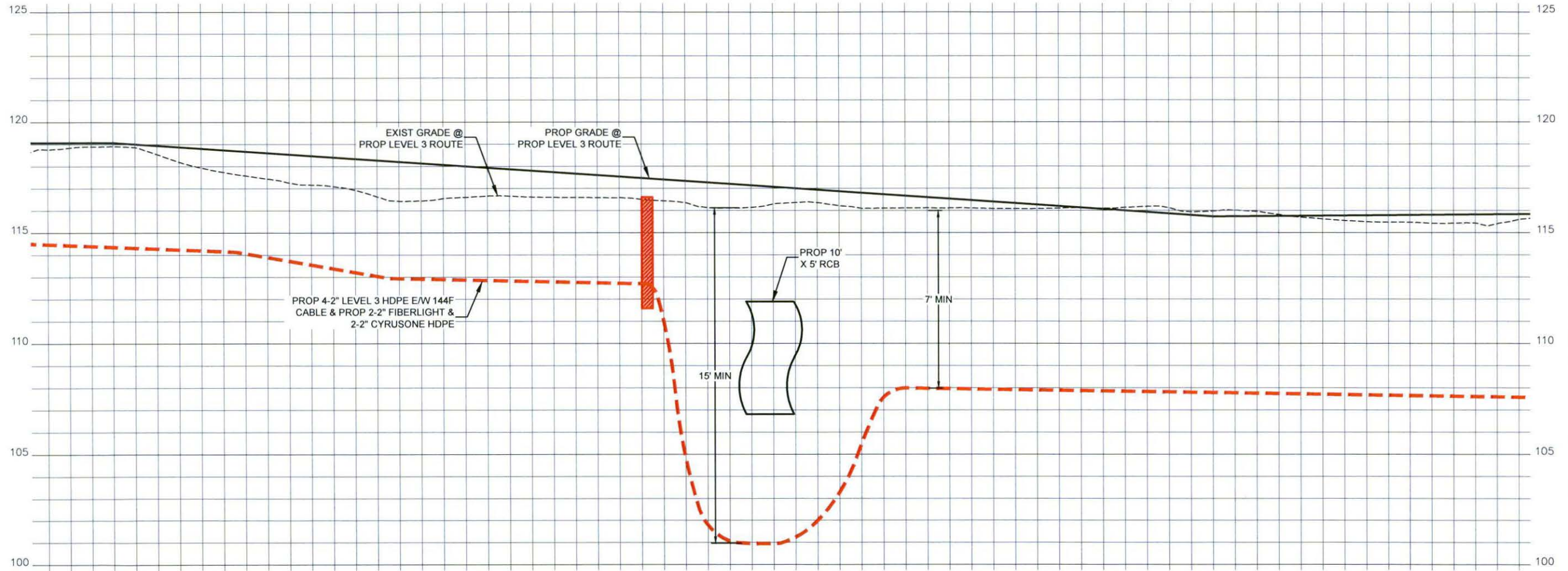


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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

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 CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



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1-800-545-6005
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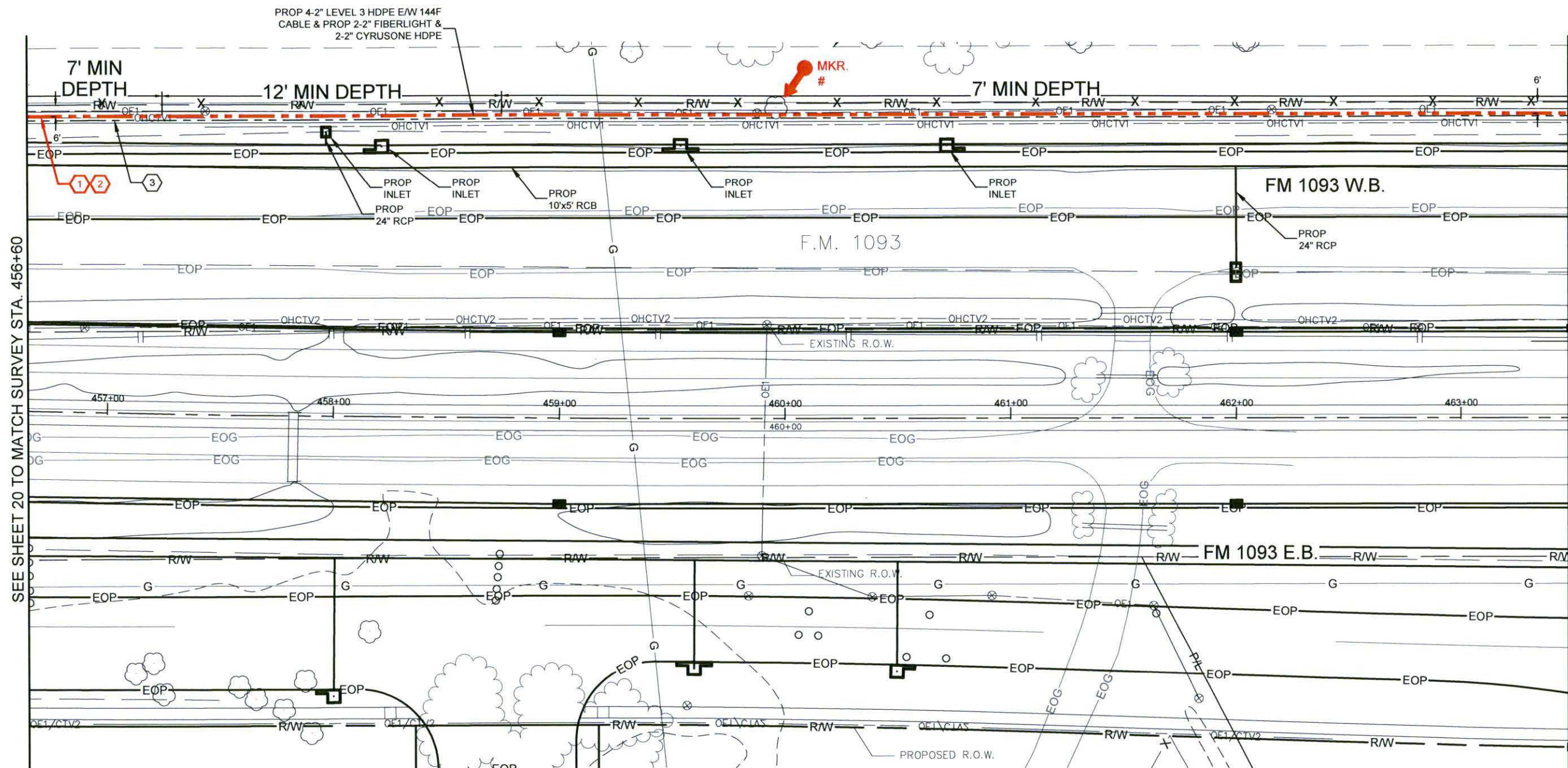
HOUSTON, TX
FORT BEND COUNTY

NORTH



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 690'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 2 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE



SEE SHEET 20 TO MATCH SURVEY STA. 456+60

SEE SHEET 22 TO MATCH SURVEY STA. 463+50

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

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

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

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	690	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	690	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	4,830	



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LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

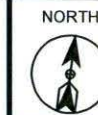
DRAWING NAME:

SCALE: HOR: 1"=50'

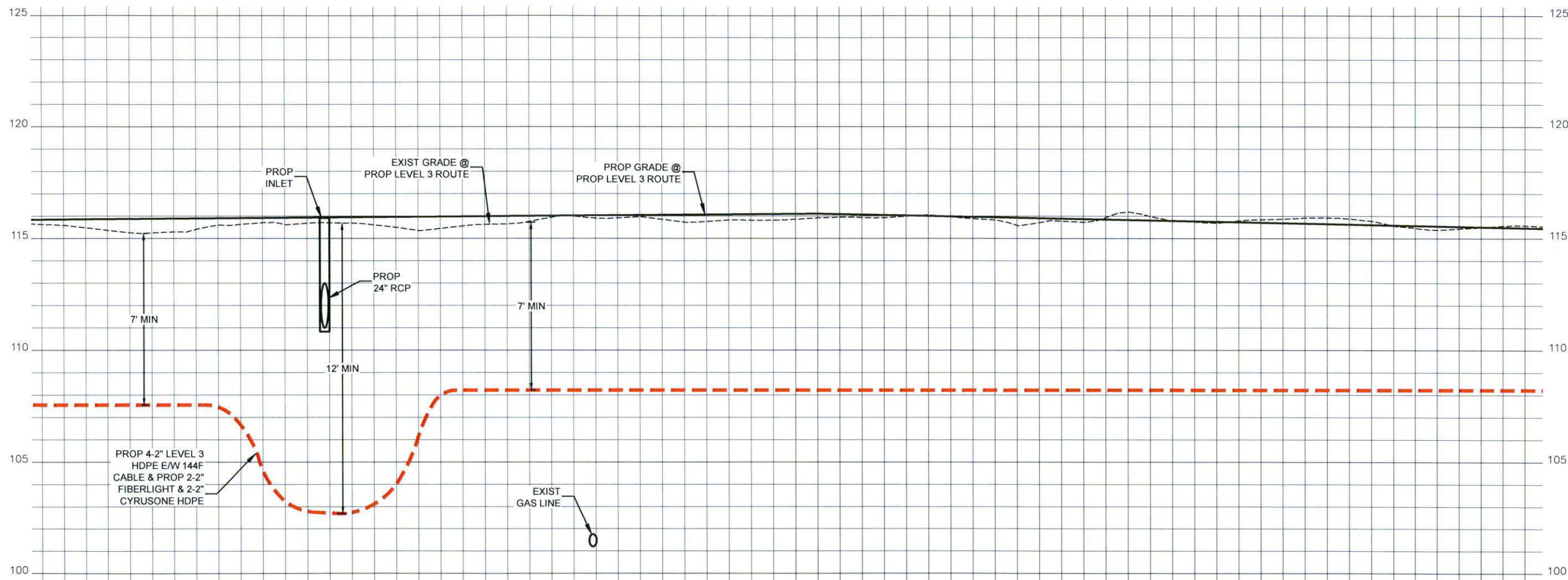
SHEET 21 OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

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 CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 30'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 LEVEL3 HANDHOLE
COIL 100' 1-144F IN HH
- 3 PROPOSED BOREPIT
- 4 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 650'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 780'
- 6 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE
- 7 FIBERLIGHT HANDHOLE
- 8 CYRUSONE HANDHOLE

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

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

NO.	DATE	ENG DESIGN
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		AS-BUILT
		REVISION # 1
		ORIGINAL
		COMMENT



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

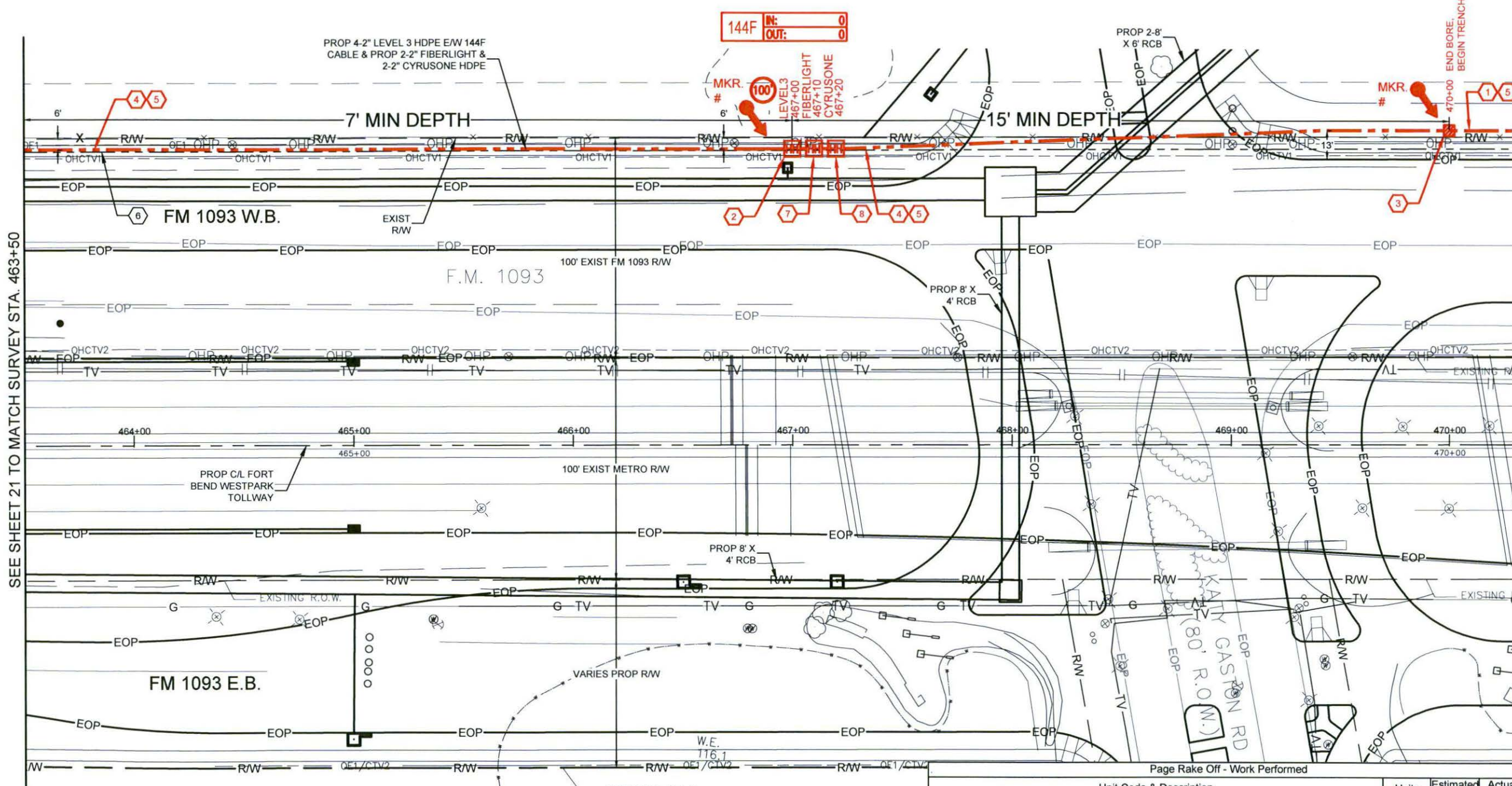
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: HOR: 1"=50'

SHEET 22 OF 31

CONFIDENTIAL/PROPRIETARY



SEE SHEET 21 TO MATCH SURVEY STA. 463+50

SEE SHEET 23 TO MATCH SURVEY STA. 470+30

Page Rake Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-90970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Rake Off - Work Performed

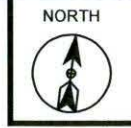
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	30	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	30	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	650	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' IN COIL)	FT	780	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	1	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	210	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	4,550	



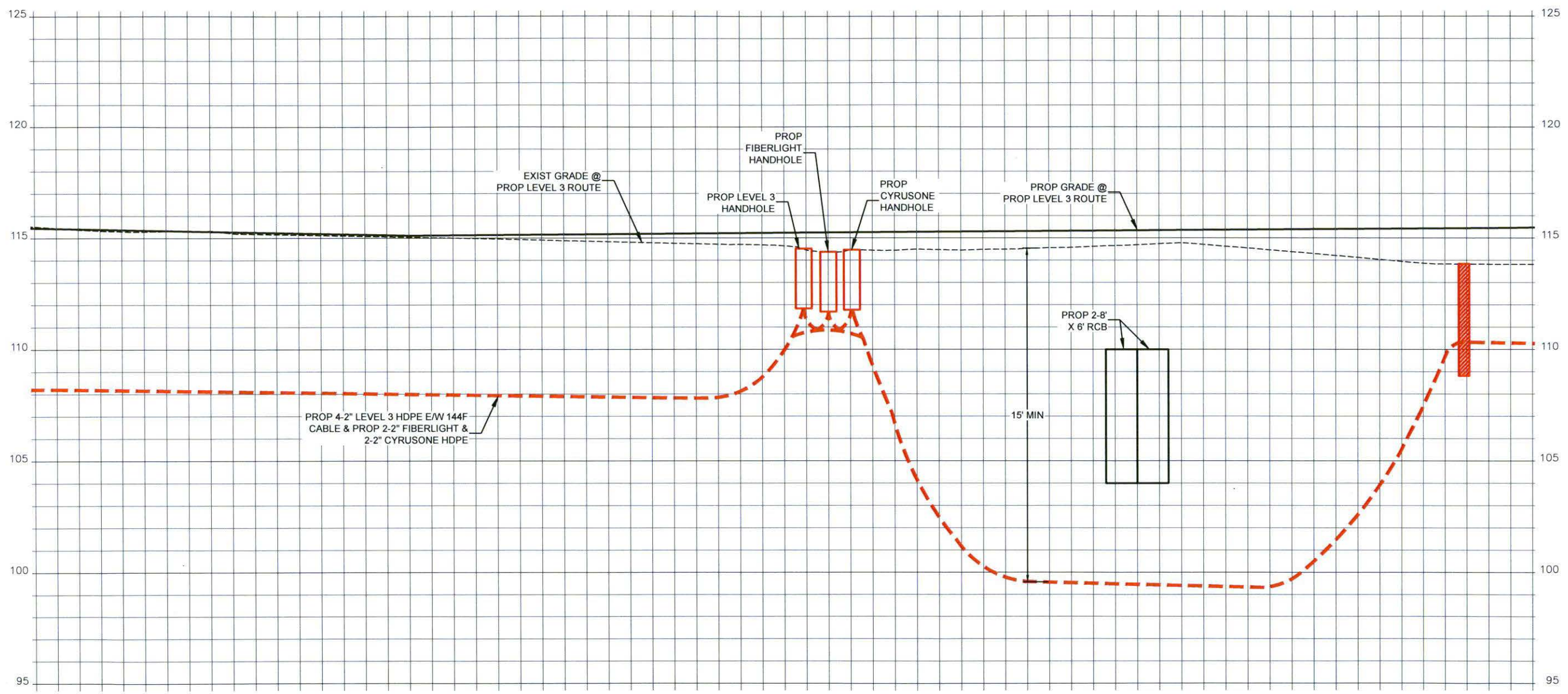
CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



CALL BEFORE YOU DIG
1-800-545-6005
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Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 22A OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 170'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 520'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE

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

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

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		AS-BUILT			
2-2-16		REVISION # 1			
11-13-15		ORIGINAL			
DRAFTING		COMMENT			

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:
1

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

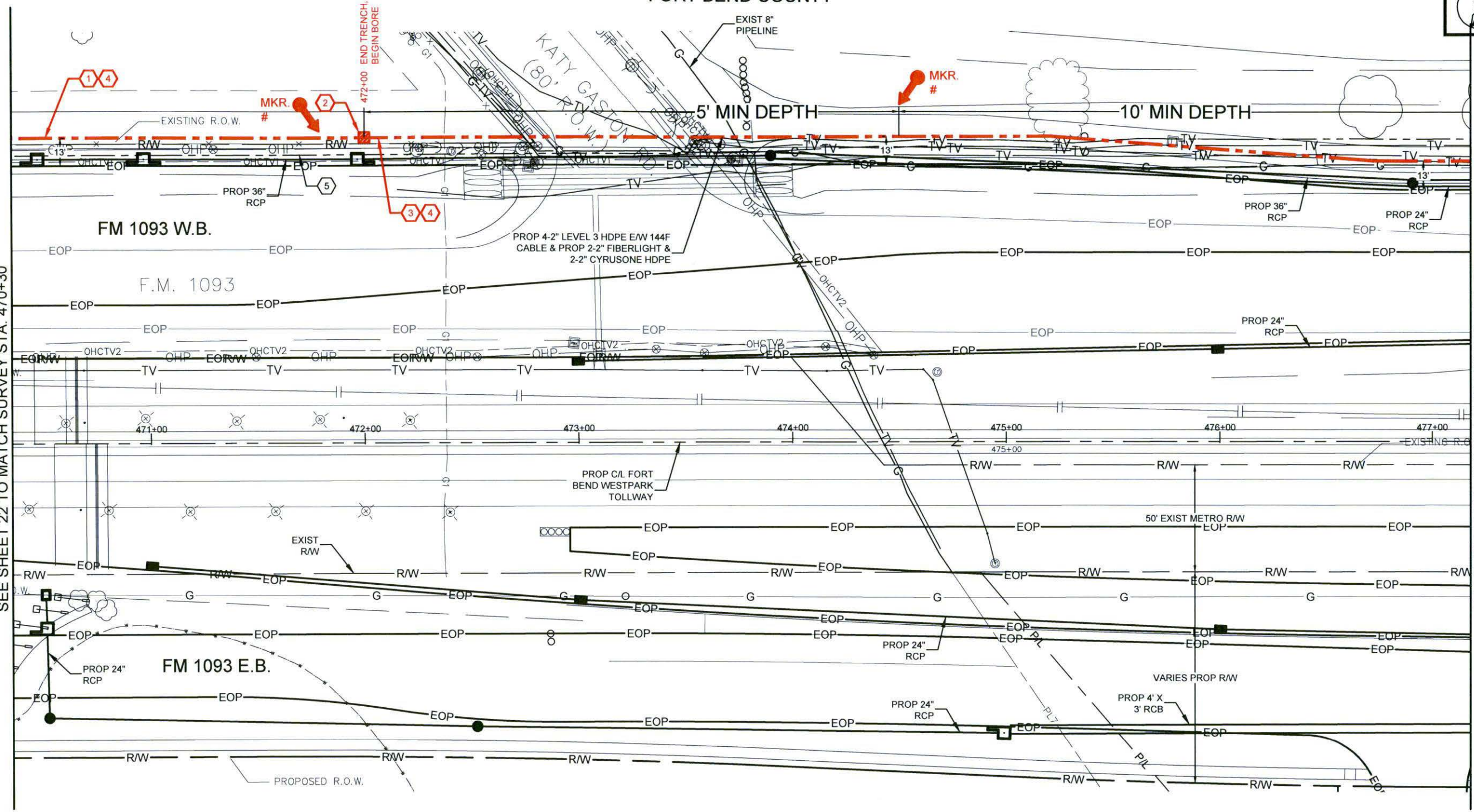
SCALE: HOR: 1"=50'

SHEET 23 OF 31

CONFIDENTIAL/PROPRIETARY

SEE SHEET 22 TO MATCH SURVEY STA. 470+30

SEE SHEET 24 TO MATCH SURVEY STA. 477+20



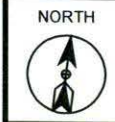
Page Rake Off - Materials				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690		
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2		

Page Rake Off - Work Performed				
Unit Code & Description	Units	Estimated Quantity	Actual Quantity	
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	170		
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	170		
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	520		
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	690		
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	1		
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690		
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2		
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,190		
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	3,640		

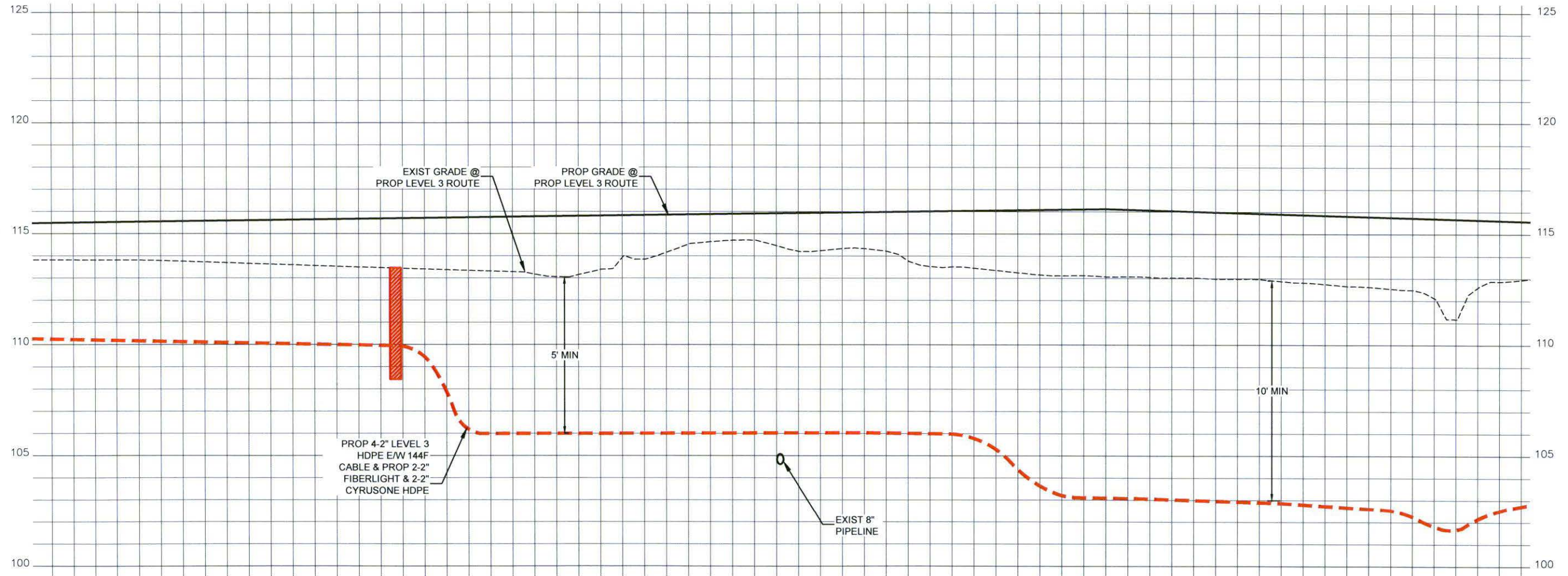
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE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

CALL BEFORE YOU DIG
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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 23A OF 31

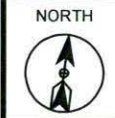
CONFIDENTIAL/PROPRIETARY

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 680'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 2 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE

CONTRACTOR NOTE:
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NOTED BELOW.

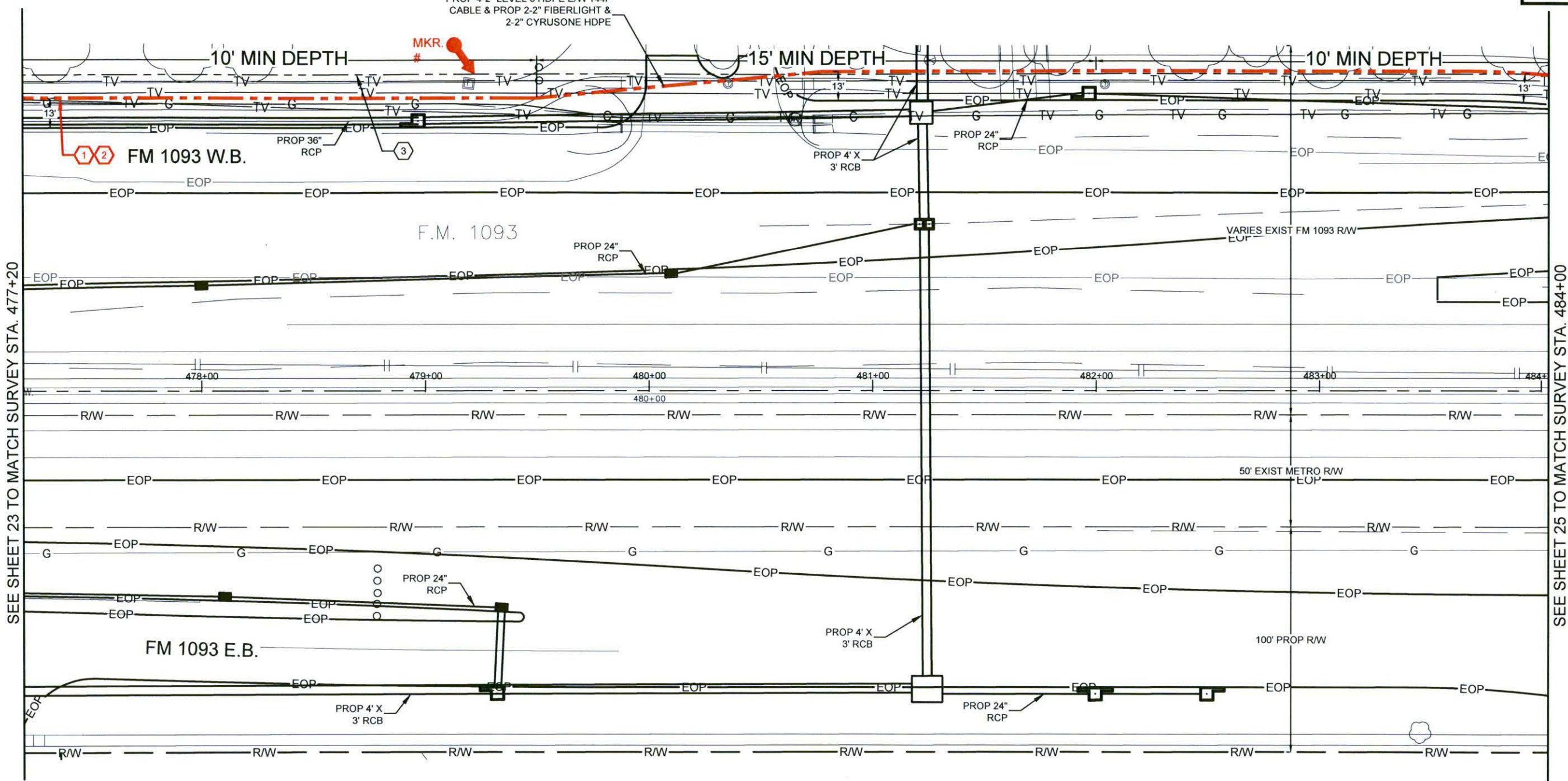
- 8-2" HDPE CONFIGURATION
- 4-2" LEVEL(3)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2-2" FIBERLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2-2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

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



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

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



Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	680	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	680	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	4,760	

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

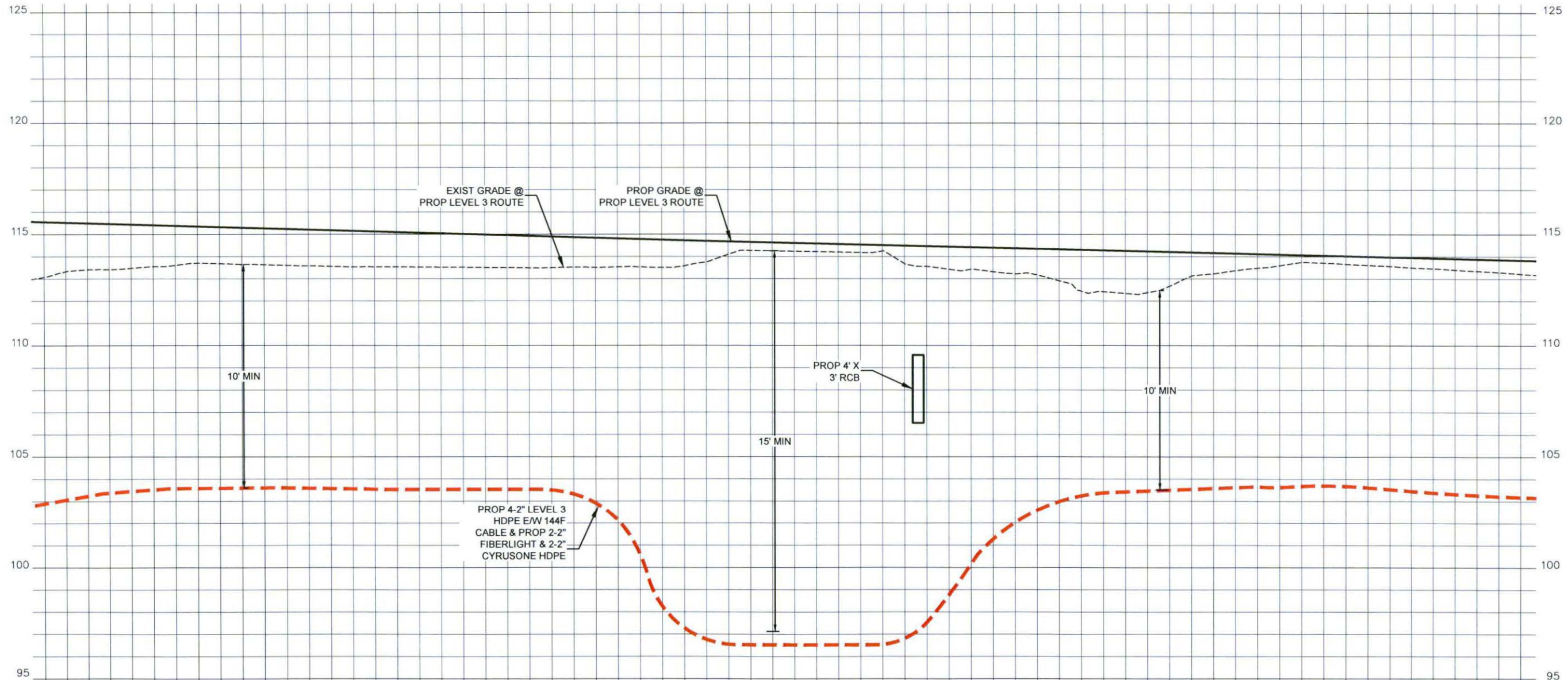


CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 24A OF 31

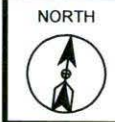
CONFIDENTIAL/PROPRIETARY

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



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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 690'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 2 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
- 3 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE

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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

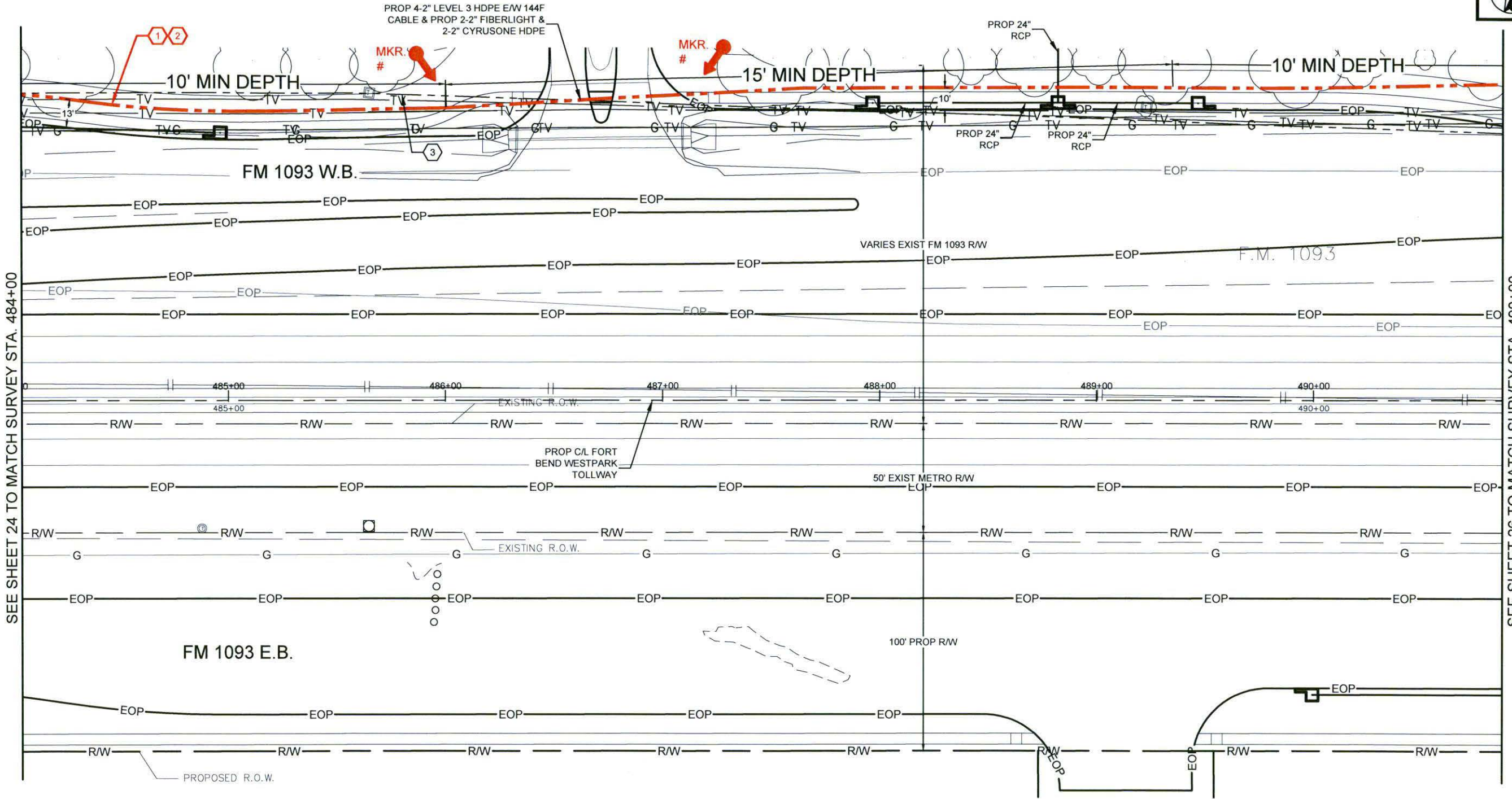
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: HOR: 1"=50'

SHEET 25 OF 31

CONFIDENTIAL/PROPRIETARY



SEE SHEET 24 TO MATCH SURVEY STA. 484+00

SEE SHEET 26 TO MATCH SURVEY STA. 490+90

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	690	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

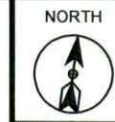
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	690	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500'	FT	690	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	4,830	



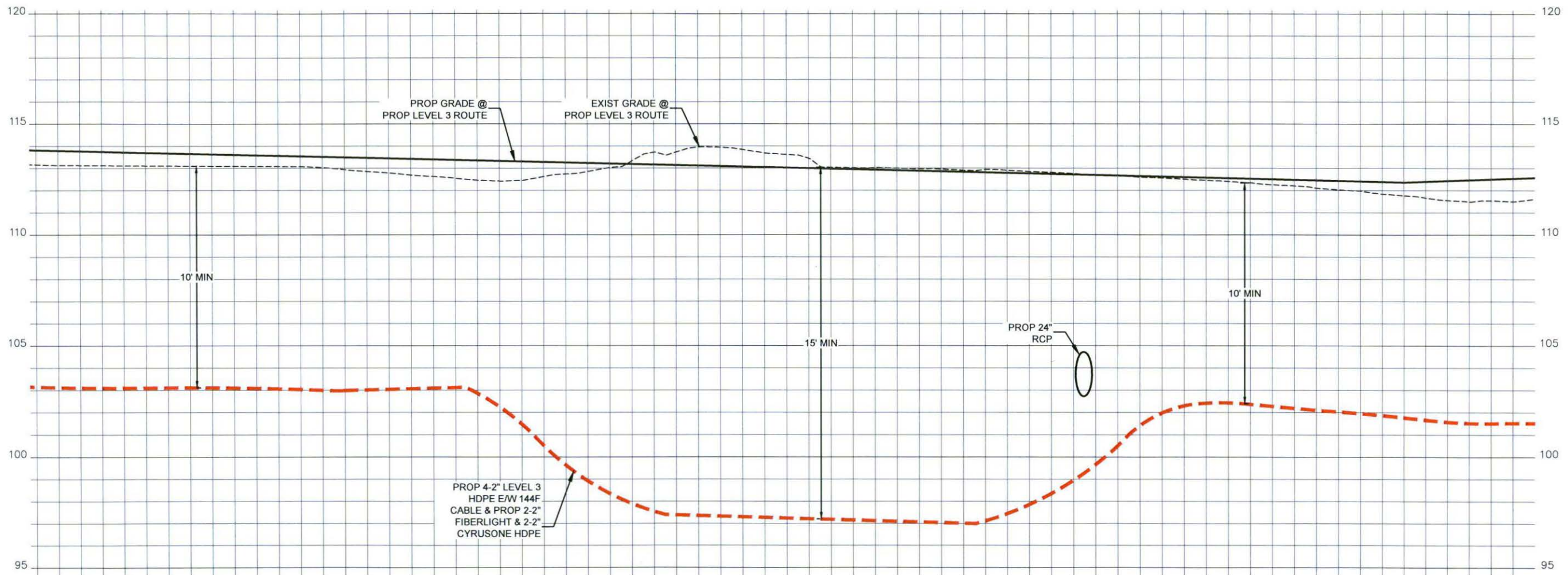
CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 25A OF 31

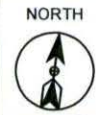
CONFIDENTIAL/PROPRIETARY

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 220'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 LEVEL3 HANDHOLE
CORL 100' 1-144F IN HH
- 3 PROPOSED BOREPIT
- 4 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 460'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 6 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE
- 7 FIBERLIGHT HANDHOLE
- 8 CYRUSONE HANDHOLE

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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

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

DRAWING NAME:

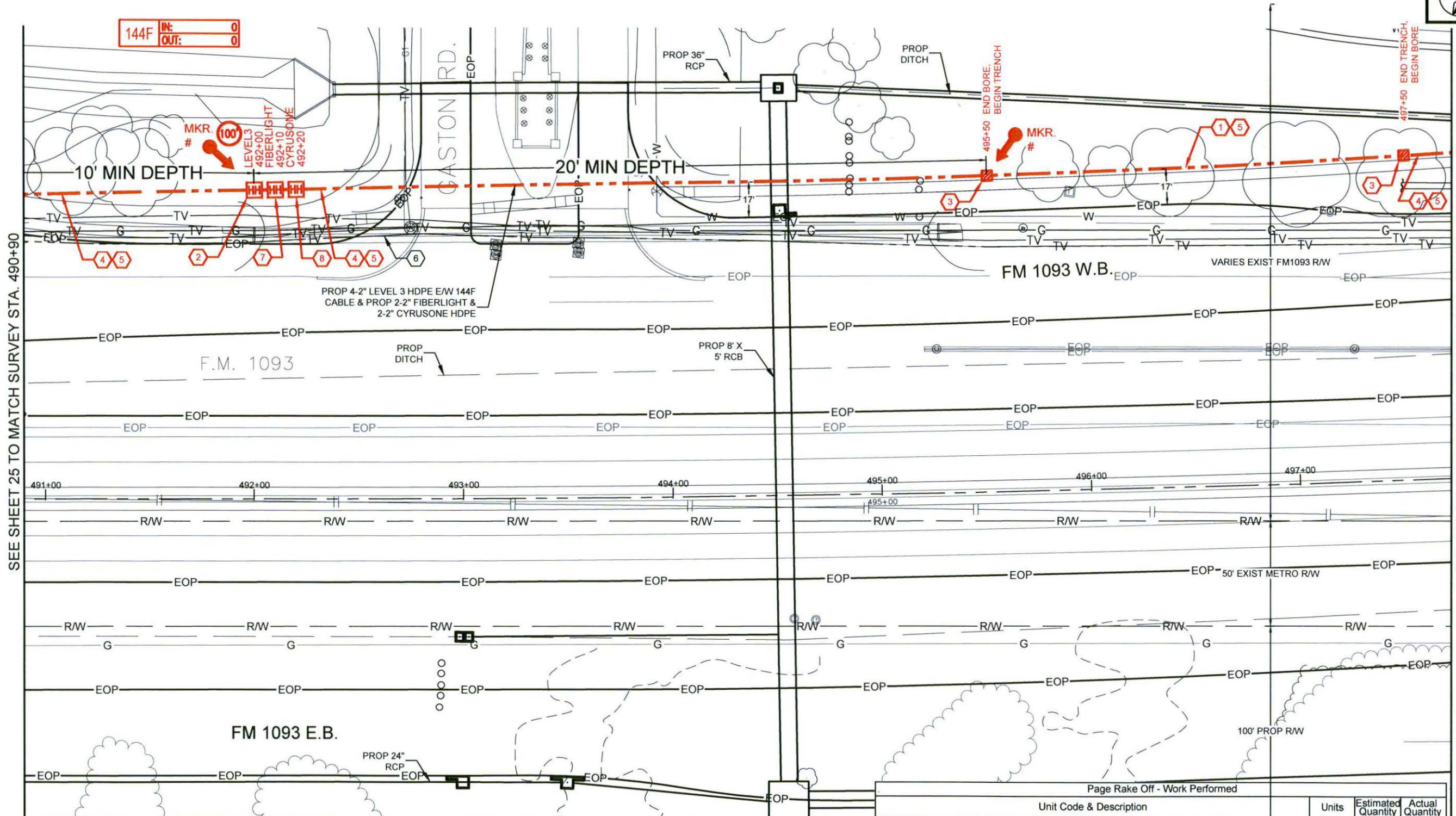
SCALE: HOR: 1"=50'

SHEET 26 OF 31

CONFIDENTIAL/PROPRIETARY

SEE SHEET 25 TO MATCH SURVEY STA. 490+90

SEE SHEET 27 TO MATCH SURVEY STA. 497+70



144F	IN:	0
	OUT:	0

Page Rake Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-90970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

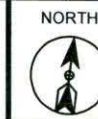
Page Rake Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	220	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	220	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	460	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' IN COIL)	FT	780	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	2	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE 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	



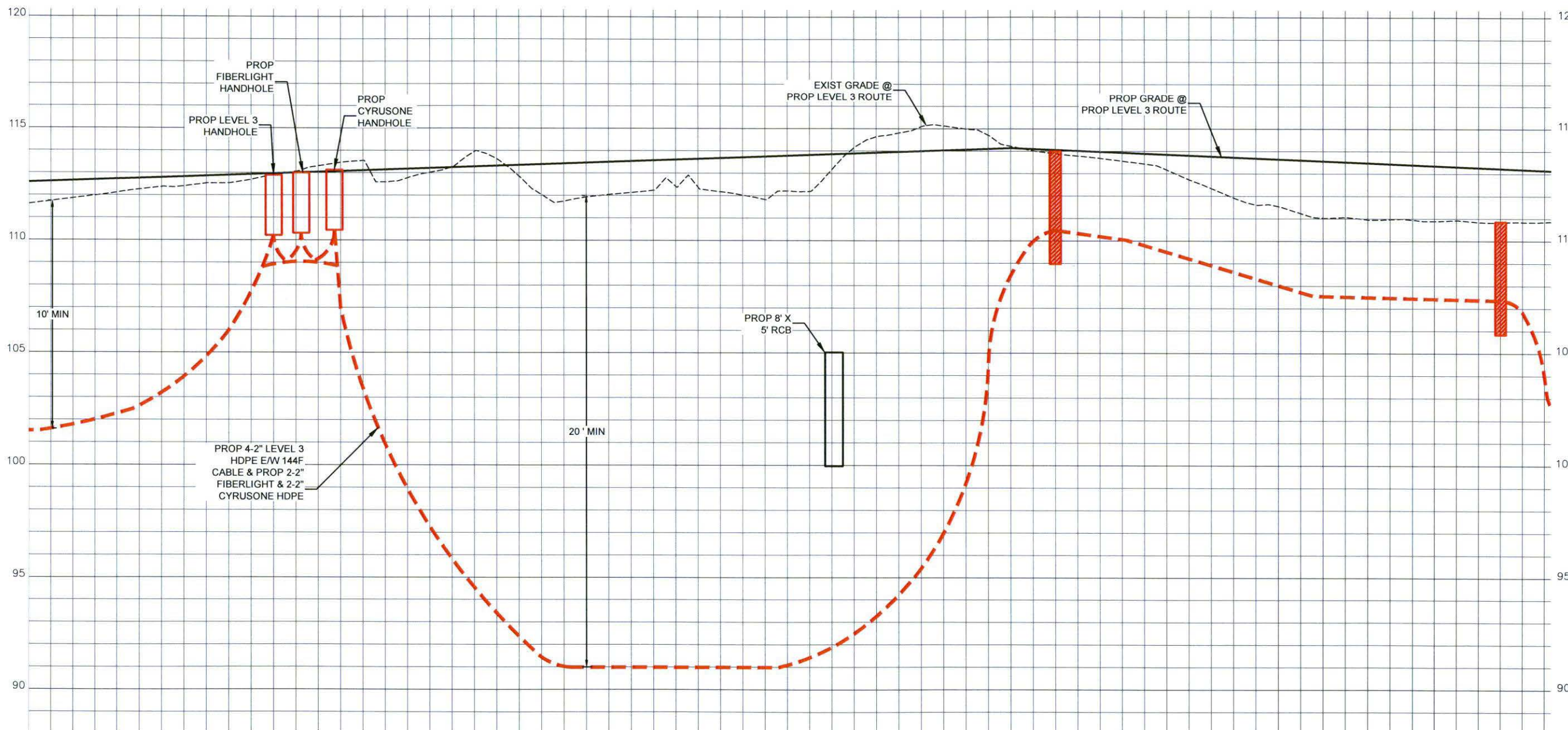
CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 26A OF 31

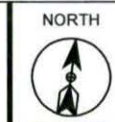
CONFIDENTIAL/PROPRIETARY

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



CALL BEFORE YOU DIG
1-800-545-6005
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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 280'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 400'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE

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

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

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



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

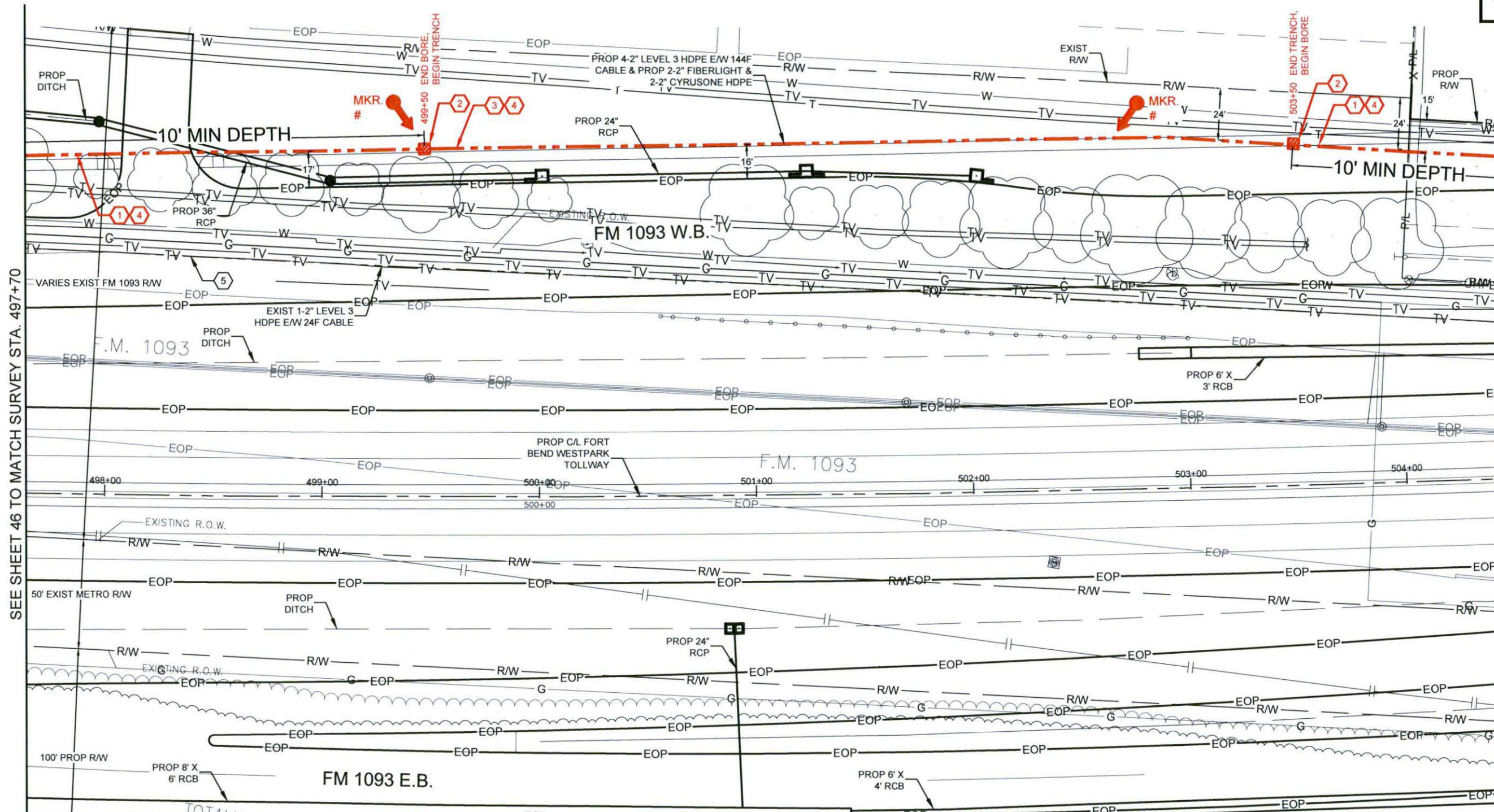
SCALE: HOR: 1"=50'

SHEET 27 OF 31

CONFIDENTIAL/PROPRIETARY

SEE SHEET 46 TO MATCH SURVEY STA. 497+70

SEE SHEET 48 TO MATCH SURVEY STA. 504+50



Page Rake Off - Materials			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

Page Rake Off - Work Performed			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	400	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	400	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	280	
UGB-30960-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-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	2,800	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	1,960	



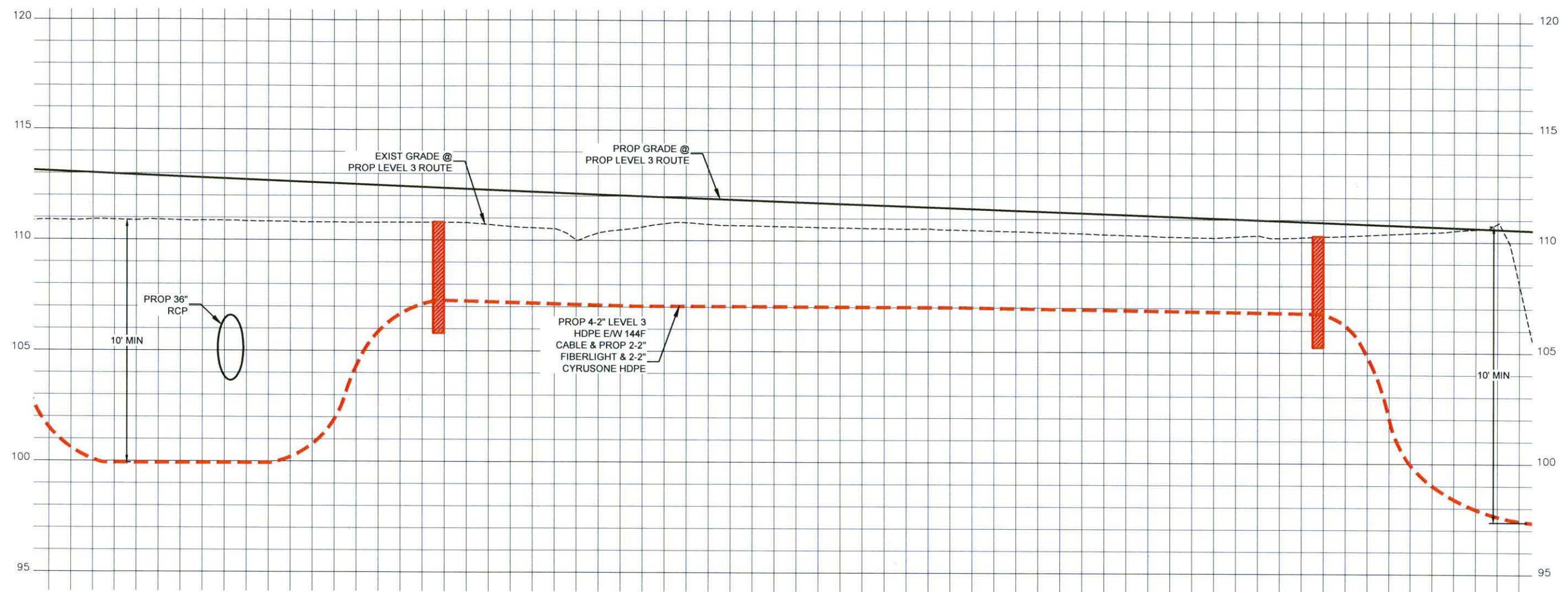
CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 27A OF 31

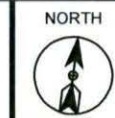
CONFIDENTIAL/PROPRIETARY

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



CALL BEFORE YOU DIG
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48 HOURS NOTICE REQUIRED

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 580'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 2 PROPOSED BOREPIT
- 3 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 100'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 4 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 680'
NOTES: REMOVE 144F CABLE

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

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

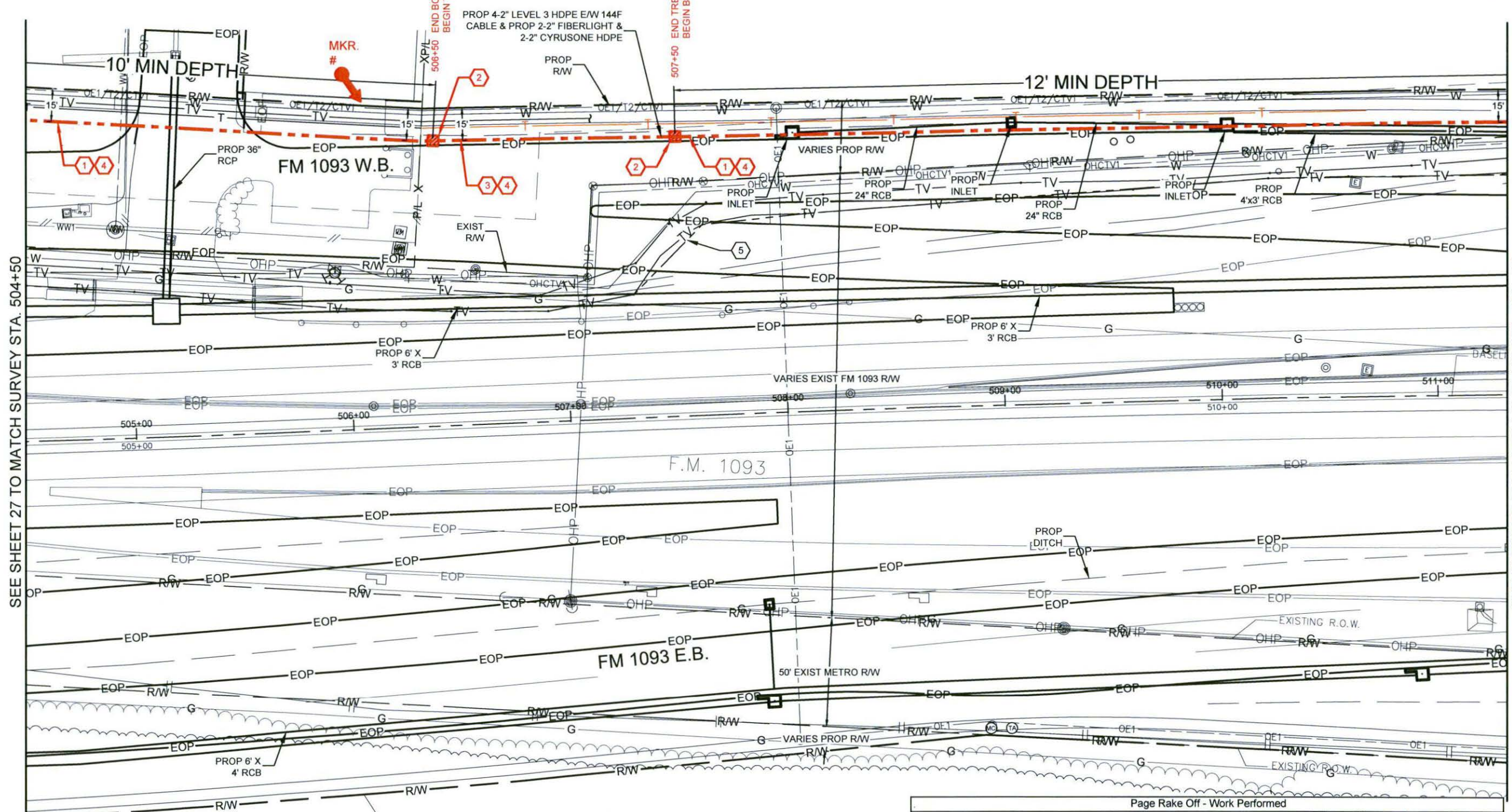
PROJECT NUMBER:
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: HOR: 1"=50'

SHEET 28 OF 31

CONFIDENTIAL/PROPRIETARY



SEE SHEET 27 TO MATCH SURVEY STA. 504+50

SEE SHEET 29 TO MATCH SURVEY STA. 511+30

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	680	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	1	

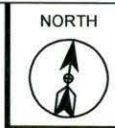
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	100	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	100	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	580	
UGB-30960-S - 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-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	680	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	1	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	700	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	4,060	



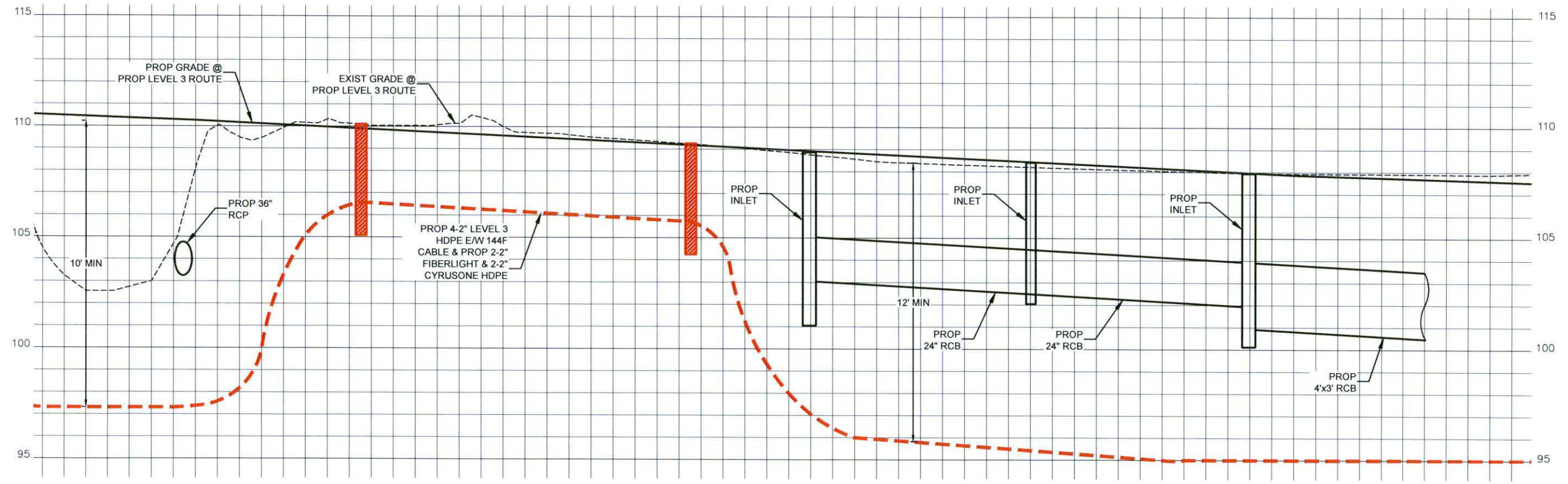
CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

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

HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

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

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



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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

SCALE: VERT: 1"=5'

SHEET 28A OF 31

CONFIDENTIAL/PROPRIETARY

HOUSTON, TX
FORT BEND COUNTY

144F IN: 0
OUT: 0



CONSTRUCTION NOTES

- 1 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 200'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: TRENCH 8-2" HDPE
- 2 LEVEL3 HANDHOLE
COIL 100' 1-144F IN HH
- 3 PROPOSED BOREPIT
- 4 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 400'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
NOTES: BORE 8-2" HDPE
- 5 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 790'
- 6 CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 690'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
- 7 CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 690'
NOTES: REMOVE 144F CABLE
- 8 FIBERLIGHT HANDHOLE
- 9 CYRUSONE HANDHOLE

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

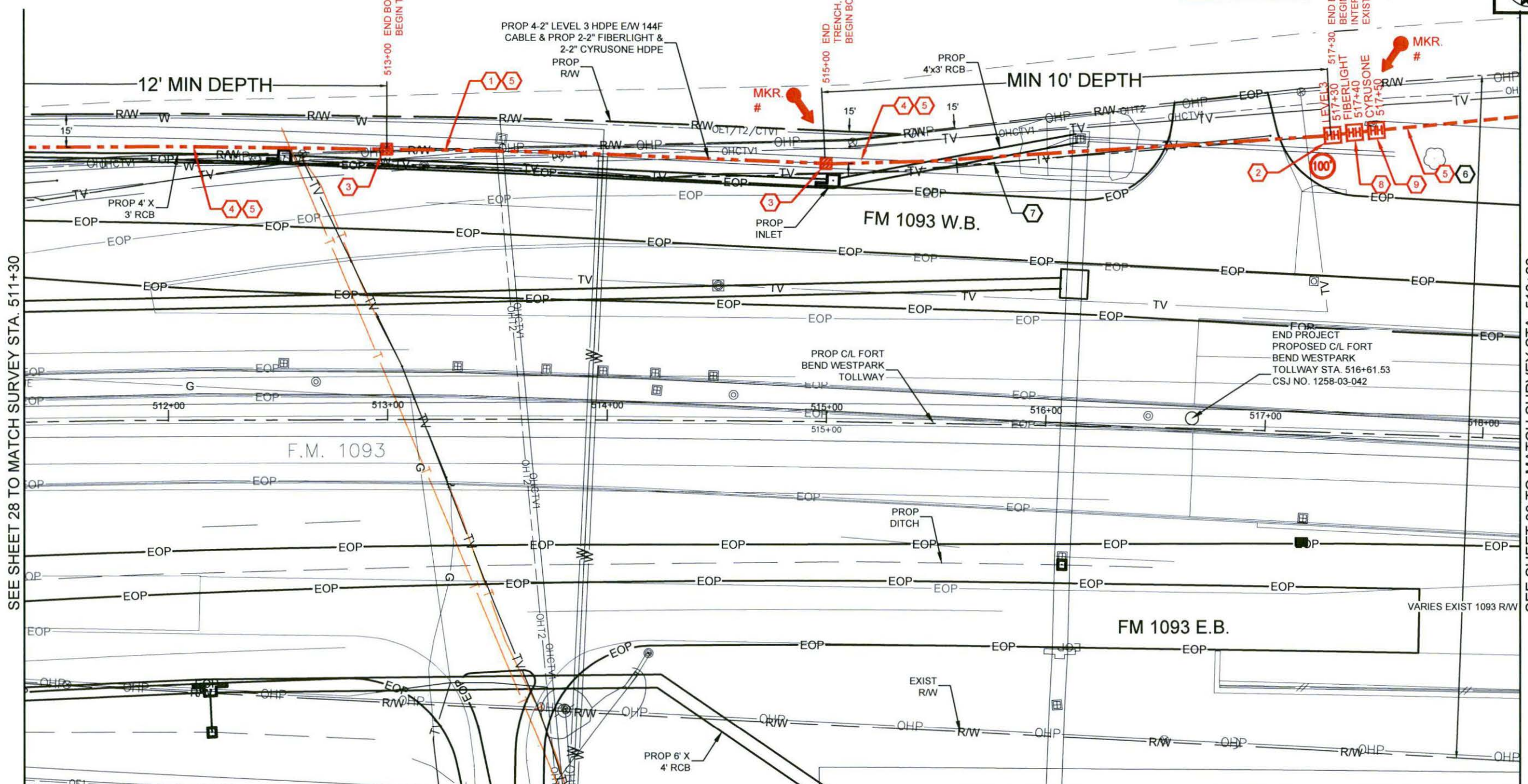
- 8-2" HDPE CONFIGURATION
- 4-2" LEVEL(3)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
 - BLACK W/ BROWN STRIPE
 - 2-2" FIBERLIGHT
 - BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE
 - 2-2" CYRUSONE
 - BLACK W/ WHITE STRIPE
 - BLACK W/ GREY STRIPE

NO.	DATE	ENG DESIGN
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Level(3)
COMMUNICATIONS

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

SCALE: HOR: 1"=50'
SHEET 29 OF 31
CONFIDENTIAL/PROPRIETARY



SEE SHEET 28 TO MATCH SURVEY STA. 511+30

SEE SHEET 30 TO MATCH SURVEY STA. 518+20

Page Rake Off - Materials

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	600	
MAT-90970 - TIER 15 30"x48"x36" - WITH KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	3	
MAT-90360 - CONDUIT: WYE CAST 2"	EA	1	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	2	

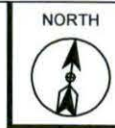
Page Rake Off - Work Performed

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 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	200	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	400	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' IN COIL)	FT	780	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	3	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	2	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	690	
UGB-30930-S - INTERCEPT CONDUIT: WYE CAST 2"	EA	1	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	2	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	1,400	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	2,800	

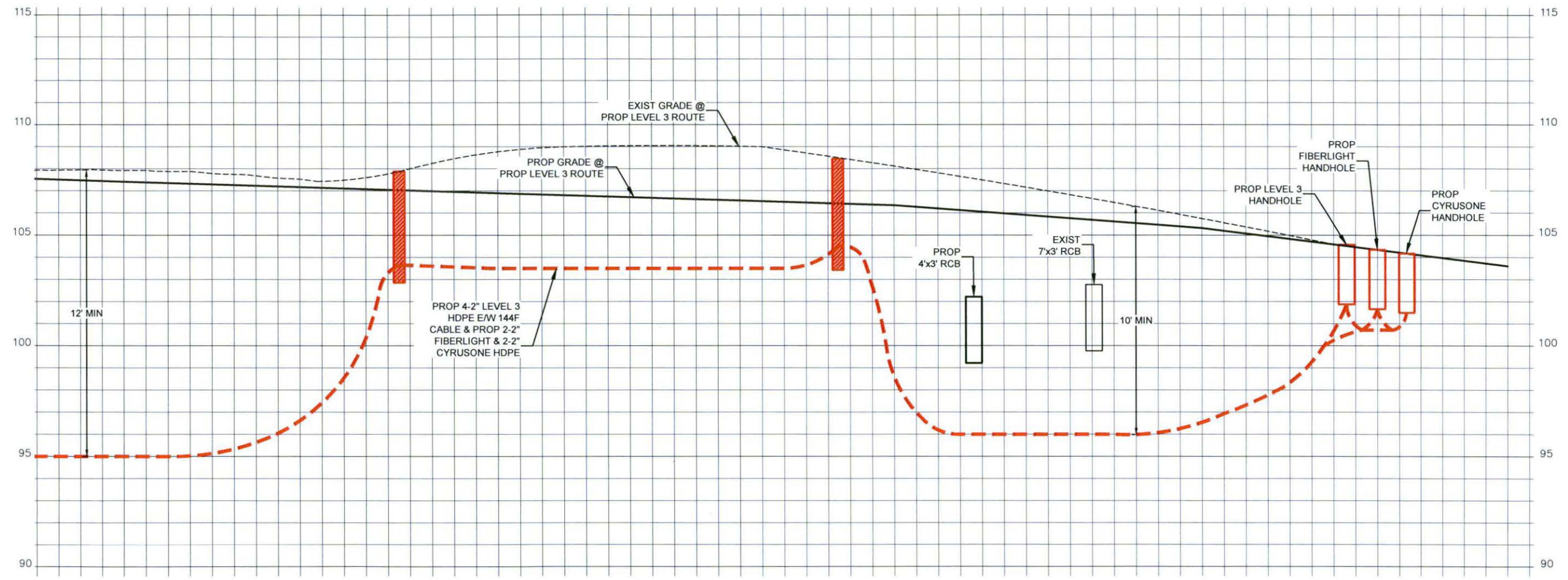
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HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES



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

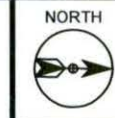
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE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



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

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NO.	DATE	ENG DESIGN
		AS-BUILT
2-2-16		REVISION # 1
11-13-15		ORIGINAL
		DRAFTING COMMENT
Level(3) COMMUNICATIONS		
LEVEL 3 ENGINEER: KEITH HALL		
ENGINEERING FIRM: GOLDEN FIELD SERVICES		
PROJECT NUMBER:		
LOCATION: FM 1093 WESTPARK EXTENSION - HOUSTON, TX		
DRAWING NAME:		
SCALE: VERT: 1"=5'		
SHEET 29A OF 31		
CONFIDENTIAL/PROPRIETARY		

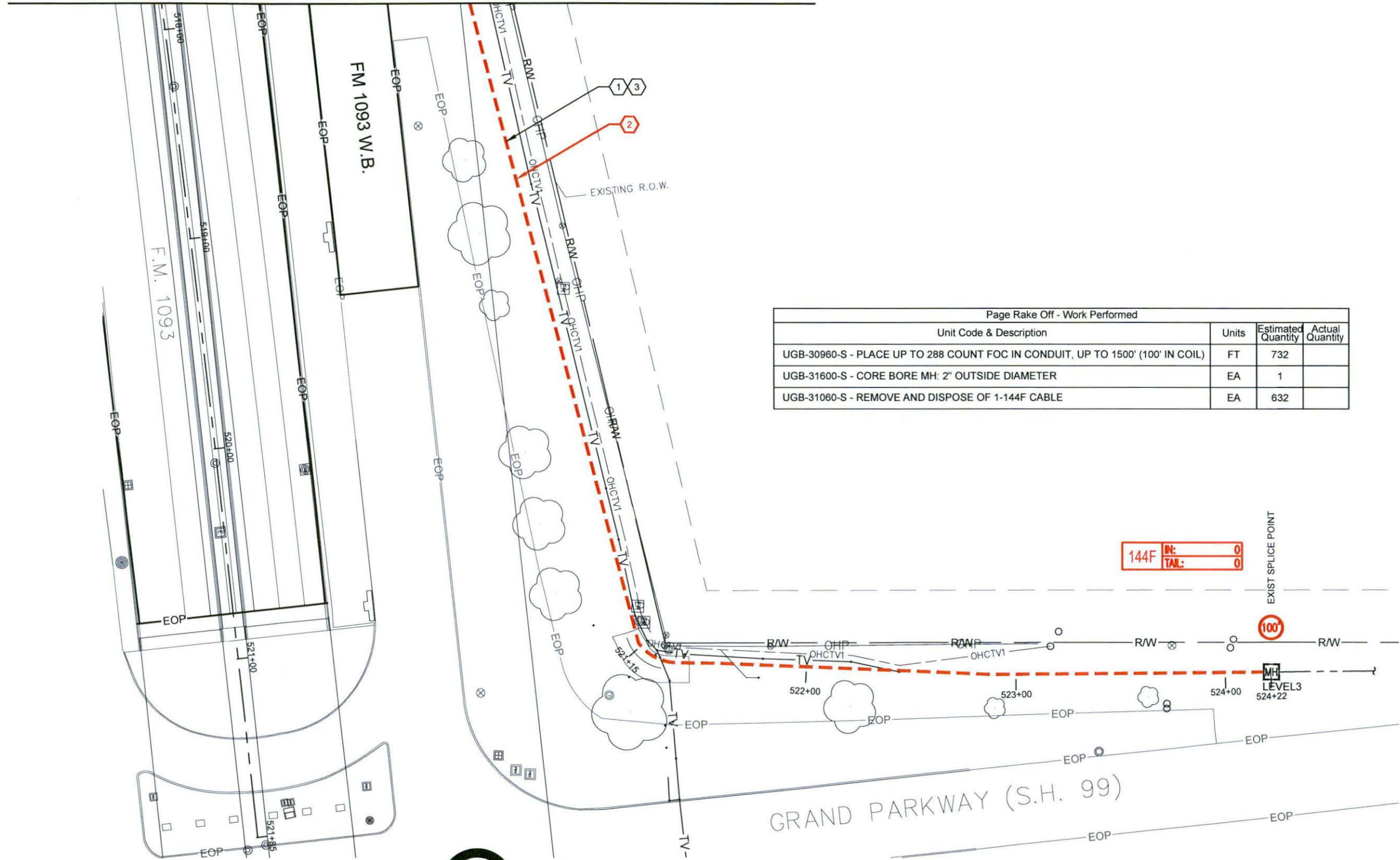
HOUSTON, TX
FORT BEND COUNTY



CONSTRUCTION NOTES

- ① CONDUIT OWNER: LEVEL3
CONDUIT LENGTH: 632'
CONDUIT QTY: 8
CONDUIT SIZE: 2"
CONDUIT TYPE: HDPE
- ② CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 732'
NOTES: UTILIZE EXISTING CONDUIT
- ③ CABLE FIBERS: 144F
CABLE OWNER: LEVEL3
CABLE LENGTH: 632'
NOTES: REMOVE 144F CABLE

SEE SHEET 29 TO MATCH SURVEY STA. 517+90



Page Rake Off - Work Performed

Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (100' IN COIL)	FT	732	
UGB-31600-S - CORE BORE MH: 2" OUTSIDE DIAMETER	EA	1	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	EA	632	

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

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

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



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'

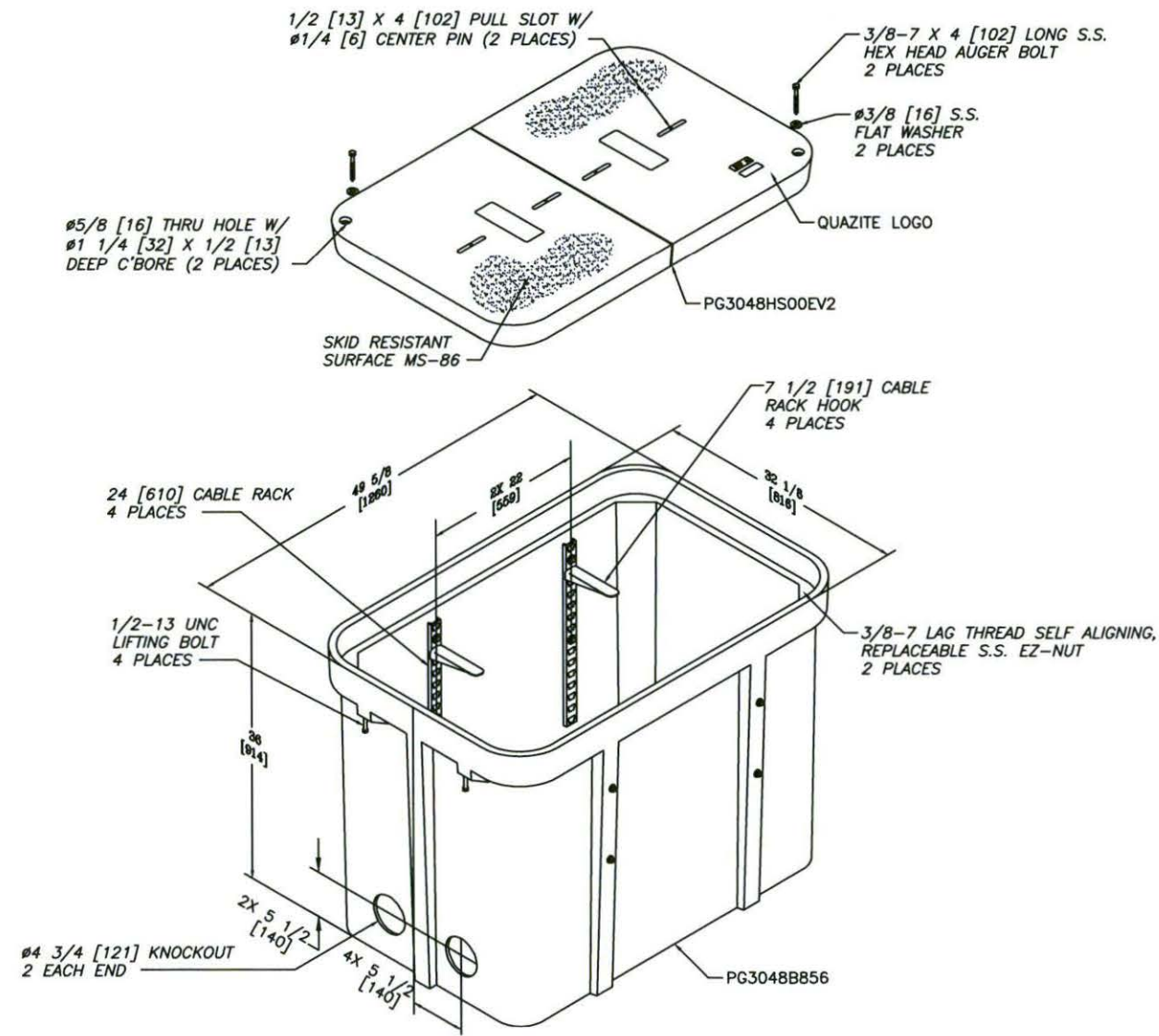
SHEET 30 OF 31

CONFIDENTIAL/PROPRIETARY

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



HANDHOLE DETAIL



TYPICAL DETAIL - A

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

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

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

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

- 2-2" FIBERLIGHT
- BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE

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

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2-2-16		REVISION # 1
11-13-15		ORIGINAL
DRAFTING	DATE	COMMENT

Level(3)
COMMUNICATIONS

LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

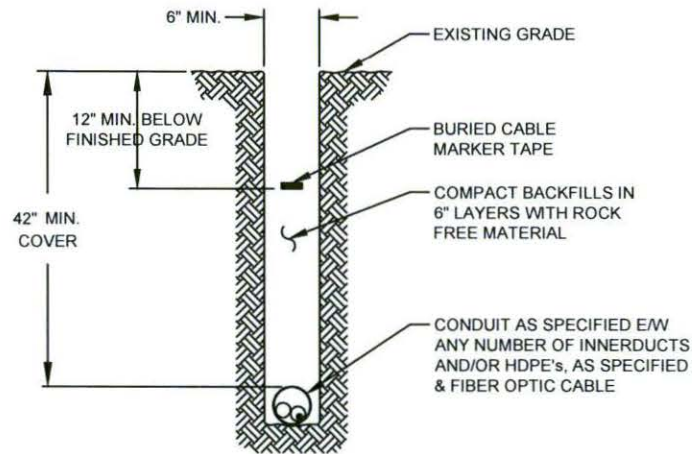
LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

CONSTRUCTION DETAIL

TYPICAL DETAIL "A"

TRENCH & PLACE CONDUIT



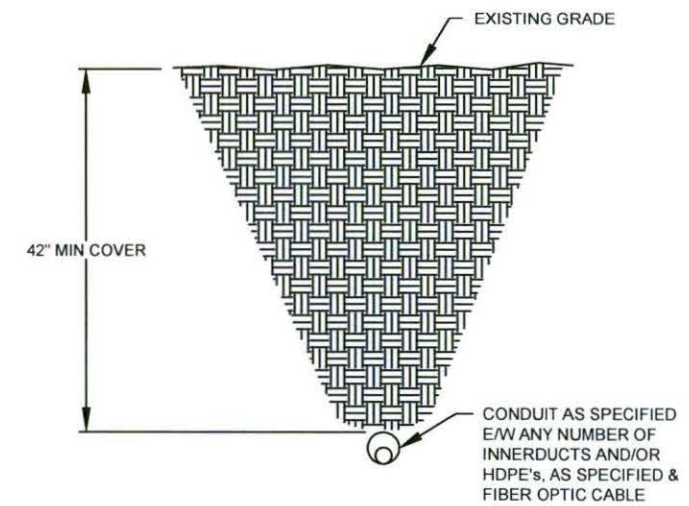
TYPICAL DETAIL "B"

CROSS SECTION OF PROPOSED HDPE



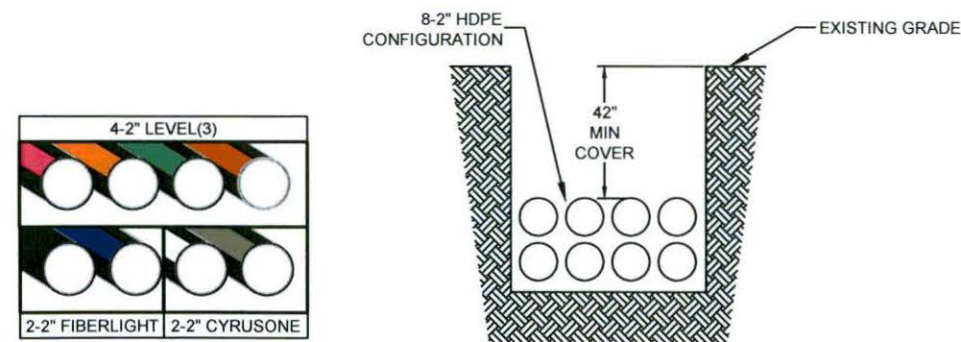
TYPICAL DETAIL "C"

DIRECTIONAL BORE CROSS SECTION FOR CONDUIT



TYPICAL DETAIL "D"

HDPE CONFIGURATION



<p align="center">4-2" LEVEL(3)</p> <ul style="list-style-type: none"> <input type="radio"/> BLACK W/ PURPLE STRIPE <input type="radio"/> BLACK W/ ORANGE STRIPE <input type="radio"/> BLACK W/ GREEN STRIPE <input type="radio"/> BLACK W/ BROWN STRIPE 	<p align="center">2-2" FIBERLIGHT</p> <ul style="list-style-type: none"> <input type="radio"/> BLACK W/ RED STRIPE <input type="radio"/> BLACK W/ BLUE STRIPE 	<p align="center">2-2" CYRUSONE</p> <ul style="list-style-type: none"> <input type="radio"/> BLACK W/ WHITE STRIPE <input type="radio"/> BLACK W/ GREY STRIPE
<p>8-2" HDPE CONFIGURATION</p>		

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

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

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DRAFTING		COMMENT



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

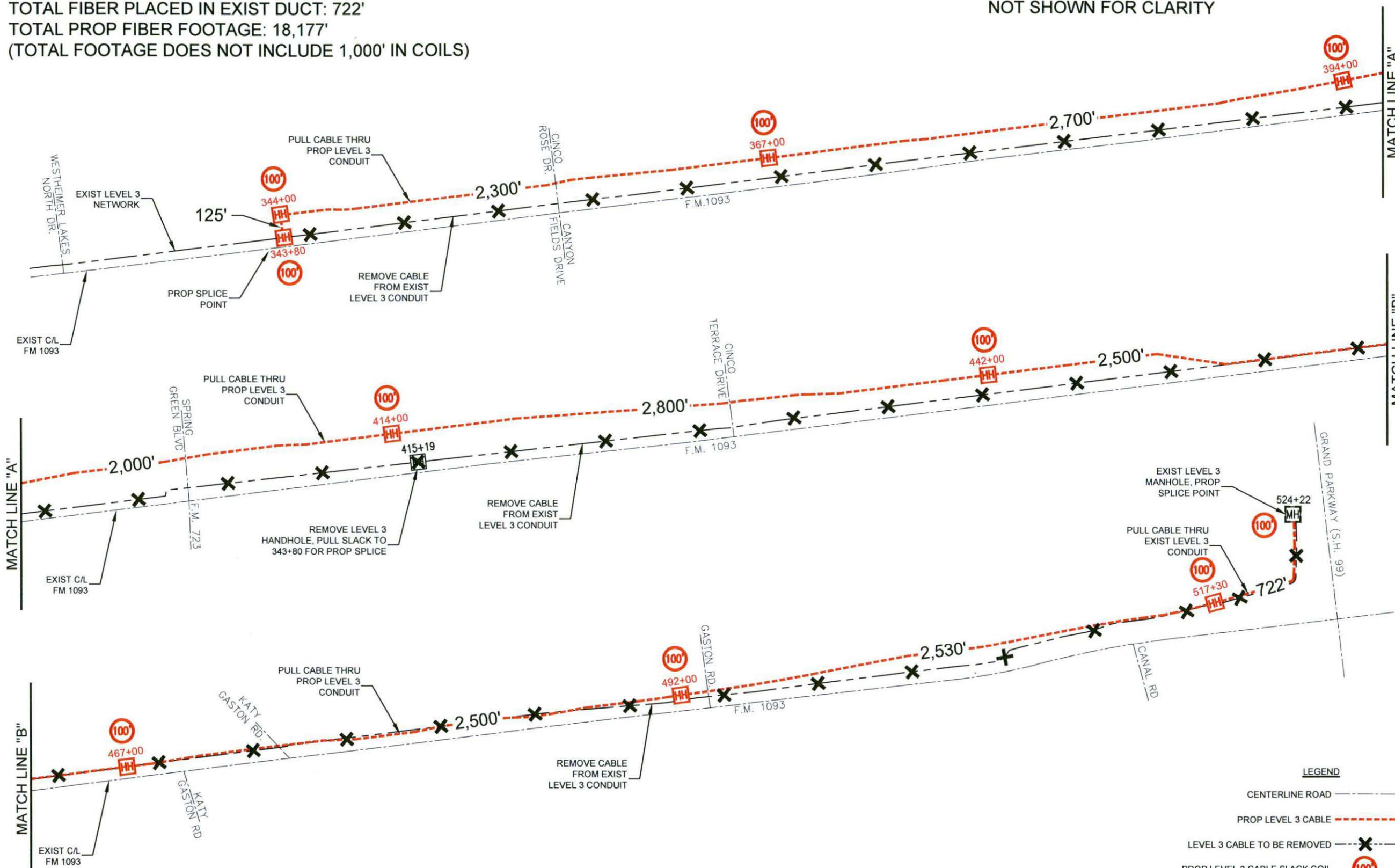
LEVEL 3 CABLE PULLING SCHEMATIC

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 HDPE CONDUITS AS NOTED BELOW.

- 8-2" HDPE CONFIGURATION
- 4-2" LEVEL(3)
 - BLACK W/ PURPLE STRIPE
 - BLACK W/ ORANGE STRIPE
 - BLACK W/ GREEN STRIPE
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		DRAFTING COMMENT



LEVEL 3 ENGINEER:
 KEITH HALL

ENGINEERING FIRM:
 GOLDEN FIELD SERVICES

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

DRAWING NAME:

- LEGEND**
- CENTERLINE ROAD ———
 - PROP LEVEL 3 CABLE - - - - -
 - LEVEL 3 CABLE TO BE REMOVED — X —
 - PROP LEVEL 3 CABLE SLACK COIL (100)
 - PROP LEVEL 3 HANDHOLE (HH)
 - EXIST LEVEL 3 MANHOLE (MH)

RAKE OFF - WORK PERFORMED			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
UGB-30050-S - TRENCH GREATER THAN 1500': TRENCH 48" MINIMUM COVER	FT	9,105	
UGB-30140-S - PLACE 1 - HDPE CONDUITS IN OPEN TRENCH UP TO 2"	FT	9,105	
UGB-30150-S - PLACE ADDITIONAL HDPE IN OPEN TRENCH CONDUIT UP TO 2"	FT	63,735	
UGB-30690-S - DIRECTIONAL BORE GREATER THAN 1500': 1 HDPE CONDUIT UP TO 2"	FT	8,350	
UGB-30700-S - DIR. BORE GREATER THAN 1500': ADDITIONAL CONDUIT UP TO 2"	FT	58,450	
UGB-30960-S - PLACE UP TO 288 COUNT FOC IN CONDUIT, UP TO 1500' (1,000' IN COIL)	FT	19,177	
UGB-31270-S - PLACE NEW - 30"x48"x36" - NON-CONCRETE HANDHOLE	EA	27	
UGB-31640-S - EXCAVATE SMALL PIT: 6'X4'X5'	EA	34	
UGB-31600-S - CORE BORE MH: 2" OUTSIDE DIAMETER	EA	1	
UGB-30930-S - INTERCEPT CONDUIT: WYE CAST 2"	EA	2	
UGB-31060-S - REMOVE AND DISPOSE OF 1-144F CABLE	FT	18,052	
UGB-31380-S - REMOVE EXISTING - 30"X48"X36" - NON-CONCRETE HANDHOLE	EA	1	
UGB-31990-S - PLACE LOCATE MARKER POST	EA	39	

RAKE OFF - MATERIALS LIST			
Unit Code & Description	Units	Estimated Quantity	Actual Quantity
MAT-90150 - CONDUIT: 8-2" HDPE SDR-9	FT	17,435	
MAT-90970 - TIER 15 30"X48"X36" - W/ KNOCK-OUTS AND RACKING - INCLUDING COVER	EA	27	
MAT-90360 - CONDUIT: WYE CAST 2"	EA	1	
MAT-92090 - WARNING TAGS AND/OR MARKERS	EA	39	

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

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

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

- 2-2" FIBERLIGHT
- BLACK W/ RED STRIPE
 - BLACK W/ BLUE STRIPE

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

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



LEVEL 3 ENGINEER:
KEITH HALL

ENGINEERING FIRM:
GOLDEN FIELD SERVICES

PROJECT NUMBER:

LOCATION: FM 1093 WESTPARK
EXTENSION - HOUSTON, TX

DRAWING NAME:

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

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

OFFICE USE ONLY CERTIFICATION OF FILING

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

Level 3 Communications, LLC
Broomfield, CO United States

Certificate Number:
2016-26366

Date Filed:
03/15/2016

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

Date Acknowledged:

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

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

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

5 Check only if there is NO Interested Party.



6 AFFIDAVIT

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

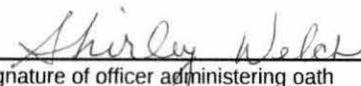
SHIRLEY WELCH
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 07/10/16



Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said VICE PRESIDENT, this the 15TH day of MARCH, 20 16, to certify which, witness my hand and seal of office.



Signature of officer administering oath

SHIRLEY WELCH

Printed name of officer administering oath

NOTARY PUBLIC

Title of officer administering oath

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:
2016-26366

Date Filed:
03/15/2016

Date Acknowledged:
03/22/2016

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
Level 3 Communications, LLC
Broomfield, CO United States

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

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the goods or services to be provided under the contract.
23381
23381 - 03/15/16 - Utility Relocation regarding FM 1093/Westpark, Mobility Bond Project no. 748

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

5 Check only if there is NO Interested Party.

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

Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20_____, to certify which, witness my hand and seal of office.

Signature of officer administering oath Printed name of officer administering oath Title of officer administering oath