





**PERMIT APPLICATION REVIEW FORM FOR  
CABLE, CONDUIT, AND POLE LINE ACTIVITY  
IN FORT BEND COUNTY**

**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
[Permits@fortbendcountytexas.gov](mailto:Permits@fortbendcountytexas.gov)

- ☒ **Right of Way Permit**  
☐ **Commercial Driveway Permit**

Permit No: 2018-21027

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

**(1) COMPLETE APPLICATION FORM:**

- ☒ a. Name of road, street, and/or drainage ditch affected.  
☒ b. Vicinity map showing course of directions  
☒ c. Plans and specifications

**(2) BOND:**

- ☐ County Attorney, approval when applicable.
- ☒ Perpetual bond currently posted.      Bond No.                           Amount: \$50,000.00
- ☐ Performance bond submitted.      Bond No: \_\_\_\_\_      Amount: \_\_\_\_\_
- ☐ Cashier's Check      Check No: \_\_\_\_\_      Amount: \_\_\_\_\_

**(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):**

\_\_\_\_\_  
Drainage District Approval

\_\_\_\_\_  
Date

**We have reviewed this project and agree it meets minimum requirements.**

  
\_\_\_\_\_  
Permit Administrator

6/1/2018  
\_\_\_\_\_  
Date



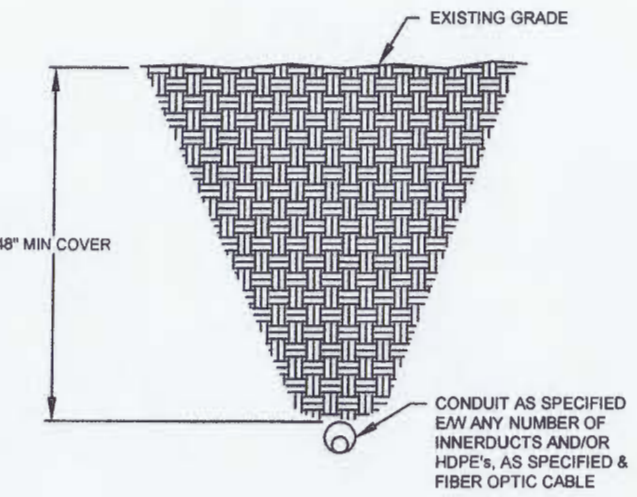
STAR LAKE DRIVE  
MISSOURI CITY, TX

DATE: 5/21/18

**TYPICAL DETAIL "A"**  
CROSS SECTION OF PROPOSED HDPE



**TYPICAL DETAIL "B"**  
DIRECTIONAL BORE CROSS SECTION FOR CONDUIT



PROJECT: \_\_\_\_\_  
MISSOURI CITY, TX  
STAR LAKE DR

**TEO, LLC**  
5510 Community DRIVE  
Houston, Texas  
77005  
281-536-5123 OFFICE  
713-668-6334 FAX  
teollo@gmail.com  
FIRM # F-8978



5.22-18

**Frontier**  
COMMUNICATIONS

STAR LAKE DR  
MISSOURI CITY, TX

DATE: 5/21/18  
ENGINEER: \_\_\_\_\_  
DRAWN BY: G.F.S. (CLR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MC COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

**SCALE**  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 2 OF 7  
FILE: \_\_\_\_\_



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.

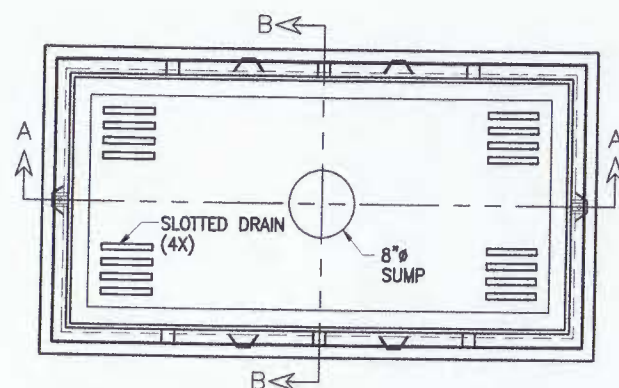
RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY GOLDEN FIELD SERVICES, INC.. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.



STANDARD HANDHOLE DETAILS

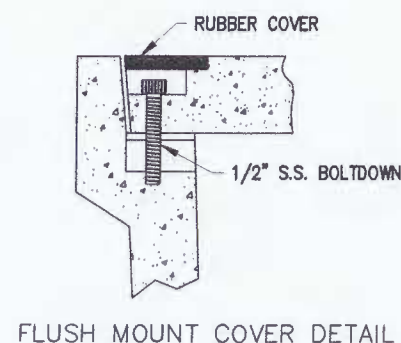
DETAIL "A"

LOCKING DEVICE  
CROSS SECTION



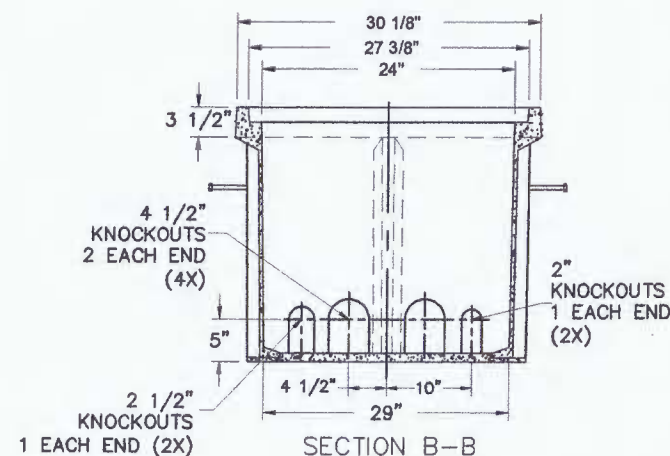
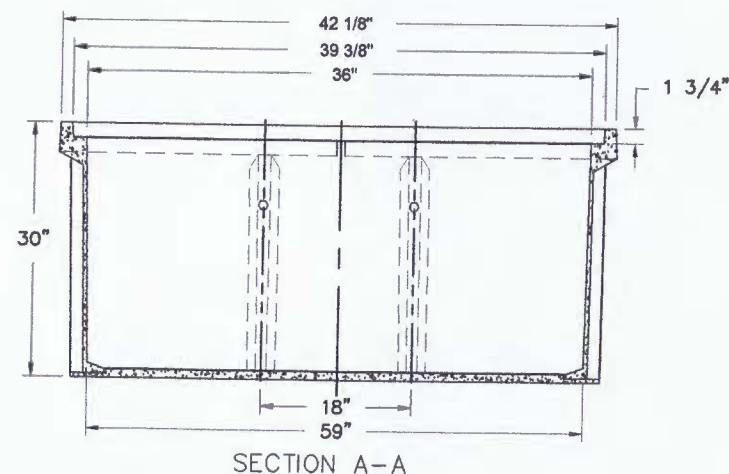
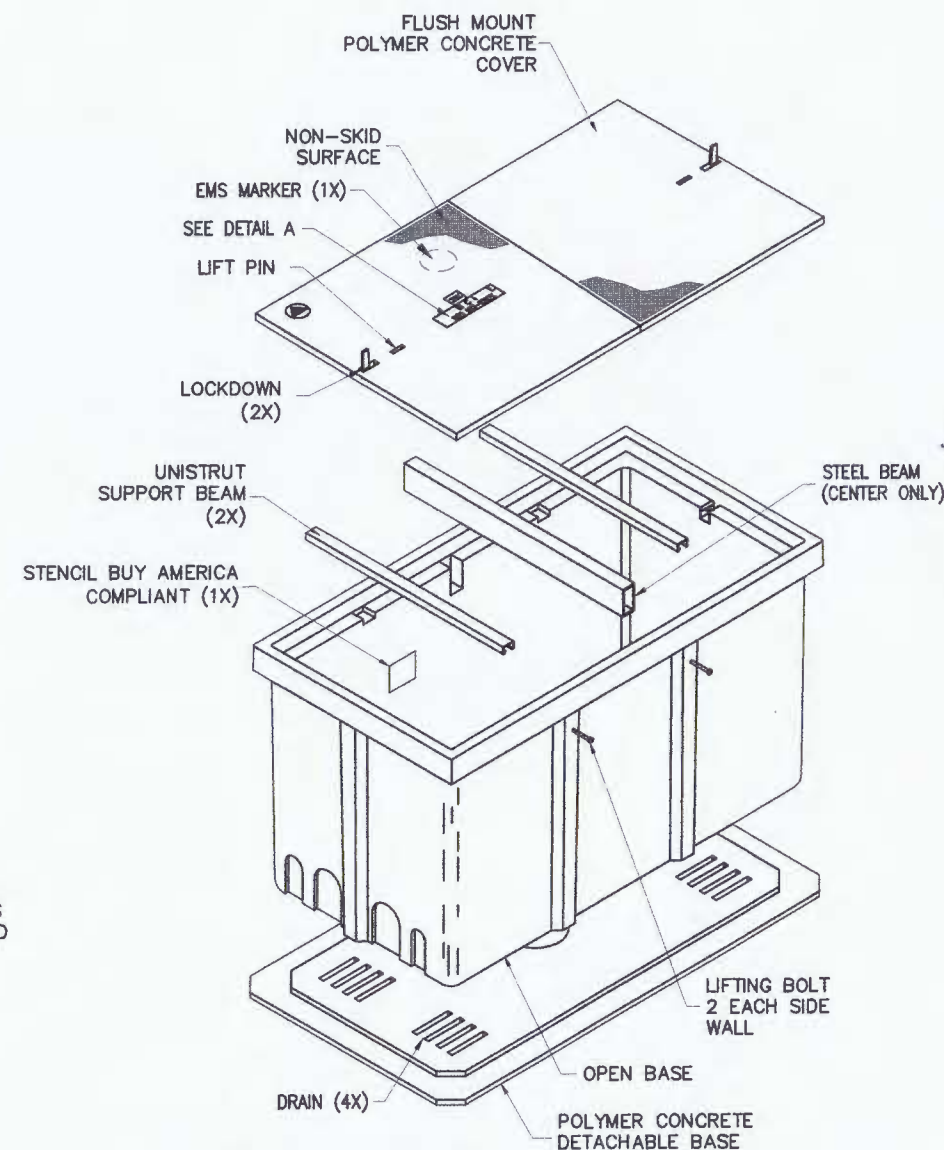
DETAIL "B"

FLUSH MOUNT  
COVER DETAIL



DETAIL "C"

EXPLODED ISOMETRIC DETAIL



SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

ITEM	QTY	
1	(1)	JOHNNY LOCK KEY
2	(2)	S.S. JOHNNY BOLTS W/FLAT WASHER.
3		SHRINK WRAP COVERS TO FRAME FOR PACKAGING.

**30K STANDARD HANDHOLE**  
**24"x36"x30" POLYMER CONCRETE FLUSH MOUNT ASSEMBLY**  
**MEETS SCTE/ANSI 77-TIER 22 LOADING CRITERIA**  
**ADDITIONAL REQUIREMENTS:**  
**DESIGNED LOAD: 30,000 LBS**  
**MINIMUM FAILURE LOAD: 45,000 LBS**

**Frontier**  
COMMUNICATIONS

PROJECT:

MISSOURI CITY, TX

STAR LAKE DR

**TEO, LLC**  
5510 Community DRIVE  
Houston, Texas  
77005  
281-536-5123 OFFICE  
713-668-6334 FAX  
teo@teolc.com  
FIRM # F-8978



**Frontier**  
COMMUNICATIONS

STAR LAKE DR  
MISSOURI CITY, TX

DATE: 5/21/18

ENGINEER:

DRAWN BY: G.F.S. (CLR)

REVISIONS

No.	DATE	DESCRIPTION	BY

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MOI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

MP TO MP

SHEET 3 OF 7

FILE:





REVISIONS			
No.	DATE	DESCRIPTION	BY

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE	
HORIZONTAL:	1" = 50'
VERTICAL:	1" = N/A
MP	TO MP
SHEET	4 OF 7
FILE:	

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

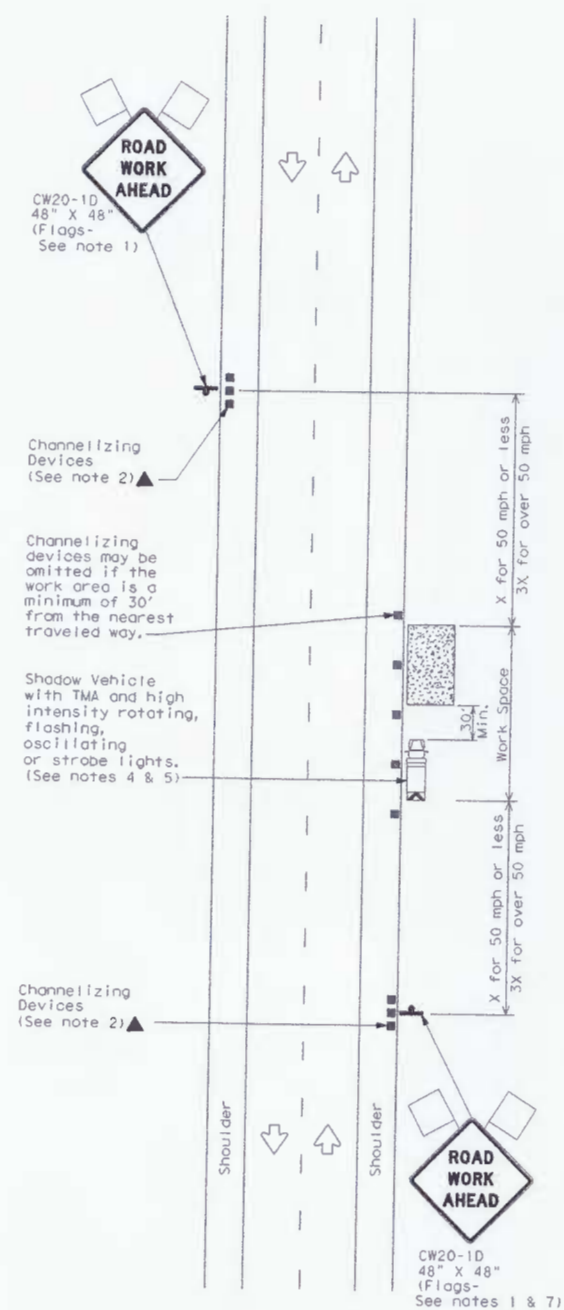
Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "x" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45		450'	495'	540'	45'	90'	320'	195'
50	L = WS	500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

\* Conventional Roads Only  
\*\* Taper lengths have been rounded off.  
L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

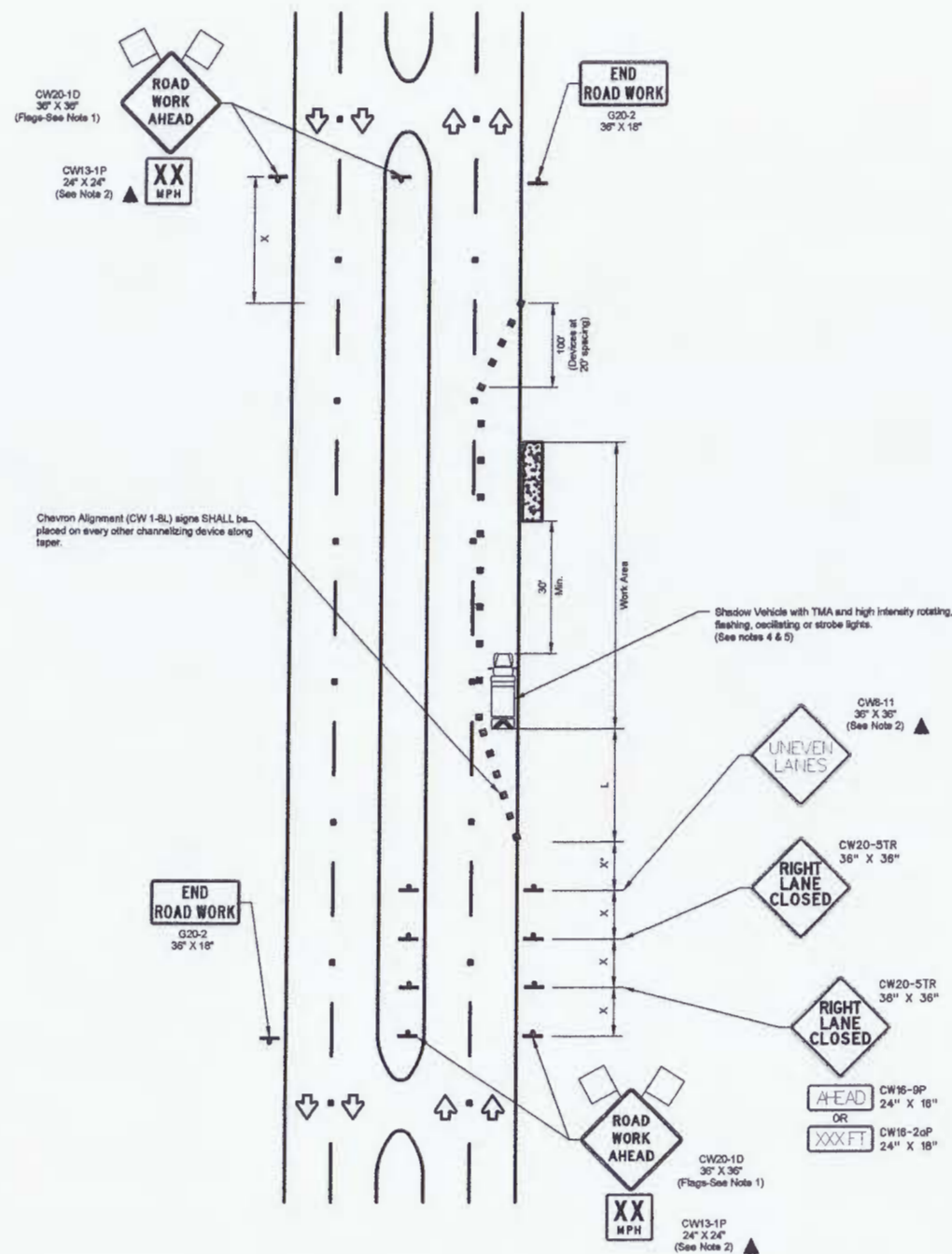
## GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- See TCP(5-1) for shoulder work on divided highways, expressways and freeways.
- CW21-5 "SHOULDER WORK" signs may be used in place of CW20-1D "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.



TCP (1-1a)

WORK SPACE NEAR SHOULDER  
Conventional Roads



RIGHT LANE CLOSURE (4 LANE BOULEVARD ROAD)



MISSOURI CITY, TX  
FORT BEND COUNTY

NORTH





PROJECT: \_\_\_\_\_  
MISSOURI CITY, TX  
STAR LAKE DR

TEO, LLC  
5510 Community Drive  
Houston, Texas 77005  
281-536-5123 OFFICE  
713-668-6334 FAX  
teo@teolc.com  
FIRM # F-8978





STAR LAKE DR  
MISSOURI CITY, TX

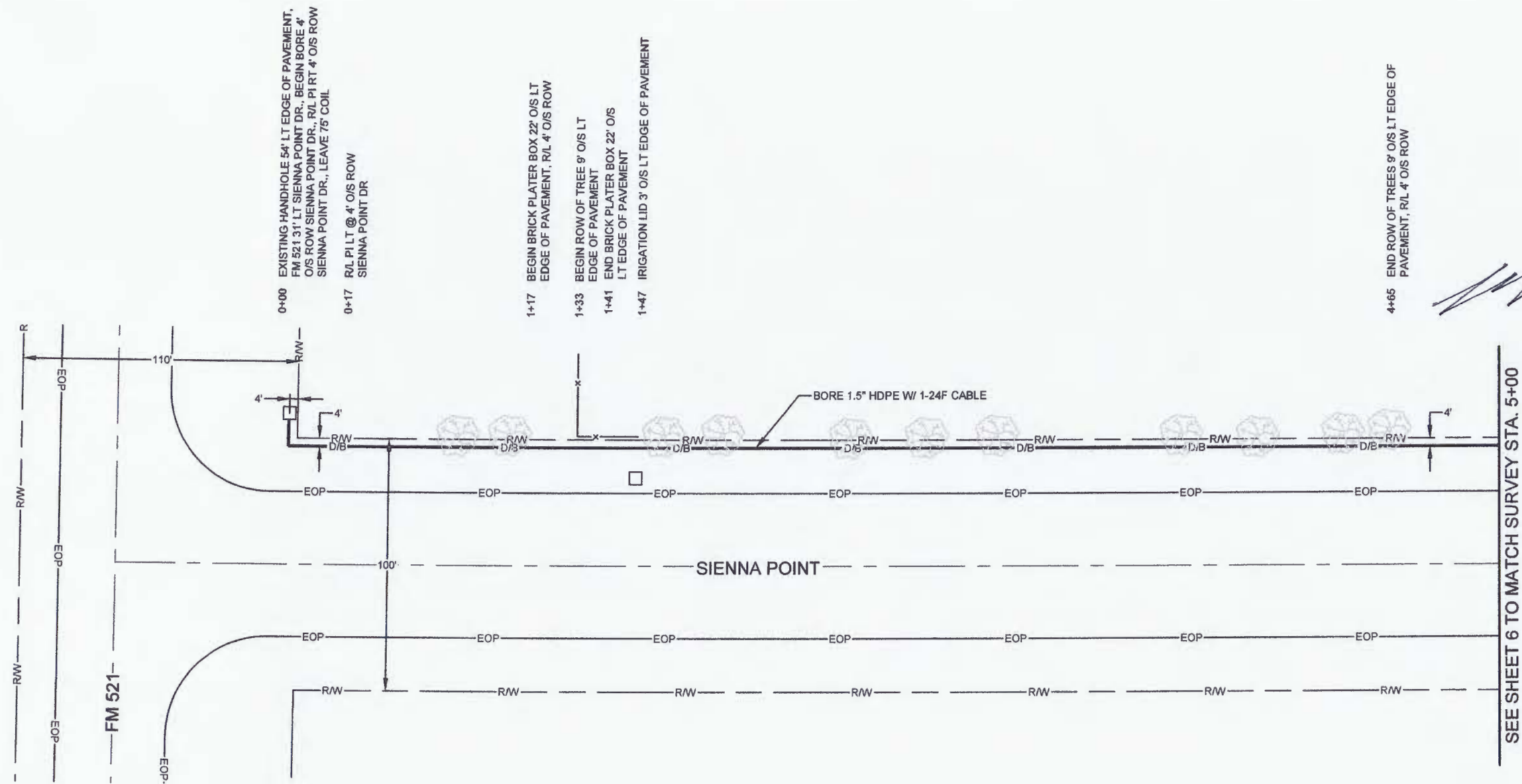
DATE: 5/21/18  
ENGINEER: \_\_\_\_\_  
DRAWN BY: G.F.S. (CLR)

REVISIONS			
No.	DATE	DESCRIPTION	BY

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A

MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 5 OF 7  
FILE: \_\_\_\_\_



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.

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY GOLDEN FIELD SERVICES, INC.. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.

MISSOURI CITY, TX  
FORT BEND COUNTY

NORTH

**Frontier**  
COMMUNICATIONS

PROJECT:

MISSOURI CITY, TX  
STAR LAKE DR

TEO, LLC  
5510 Community DRIVE  
Houston, Texas  
77005  
281-536-5123 OFFICE  
713-668-6334 FAX  
teo@teolc.com  
FIRM # F-8978



**Frontier**  
COMMUNICATIONS

STAR LAKE DR  
MISSOURI CITY, TX

DATE: 5/21/18

ENGINEER:

DRAWN BY: G.F.S. (CLR)

REVISIONS

No.	DATE	DESCRIPTION	BY

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

HORIZONTAL: 1"= 50'

VERTICAL: 1"= N/A

MP TO MP

SHEET 6 OF 7

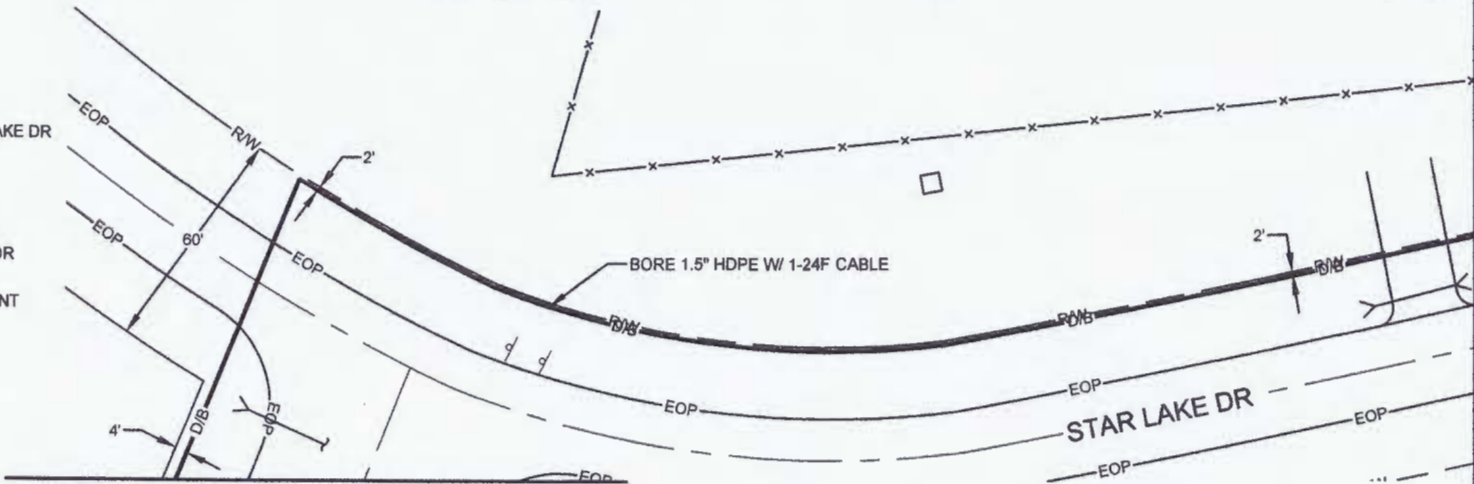
FILE:

- 5+67 R/L PI RT @ 18' O/S LT EDGE OF PAVEMENT STAR LAKE DR
- 5+50 EDGE OF PAVEMENT STAR LAKE DR
- 5+38 CENTERLINE
- 5+23 EDGE OF PAVEMENT ROAD CROSSING STAR LAKE DR
- 5+07 CENTERLINE CULVERT 10' O/S LT EDGE OF PAVEMENT

SEE SHEET 5 TO MATCH SURVEY STA. 5+00

SEE SHEET 7 TO MATCH SURVEY STA. 9+00

- 6+13 CENTERLINE SIENNA POINT DR, R/L 2' O/S ROW
- 6+25 BEGIN PROPERTY FENCE 48' O/S LT EDGE OF PAVEMENT, R/L 2' O/S ROW
- 6+28 SIGN 4' O/S LT EDGE OF PAVEMENT
- 6+35 SIGN 4' O/S LT EDGE OF PAVEMENT
- 7+43 IRRIGATION LID 61' LT EDGE OF PAVEMENT, FENCE 73' LT EDGE OF PAVEMENT
- 8+63 EDGE OF CONCRETE DRIVE, CULVERT 13' O/S EDGE OF PAVEMENT
- 8+78 EDGE OF CONCRETE DRIVE, CULVERT 13' O/S LT EDGE OF PAVEMENT, R/L 2' O/S ROW



ALL O/S EOP



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.

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY GOLDEN FIELD SERVICES, INC.. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.



MISSOURI CITY, TX  
FORT BEND COUNTY



**Frontier**  
COMMUNICATIONS

PROJECT: \_\_\_\_\_  
MISSOURI CITY, TX  
STAR LAKE DR  
\_\_\_\_\_  
\_\_\_\_\_

**TEO, LLC**  
5510 Community DRIVE  
Houston, Texas  
77005  
281-536-5123 OFFICE  
713-668-6334 FAX  
teo@teolc.com  
FIRM # F-8978



**Frontier**  
COMMUNICATIONS

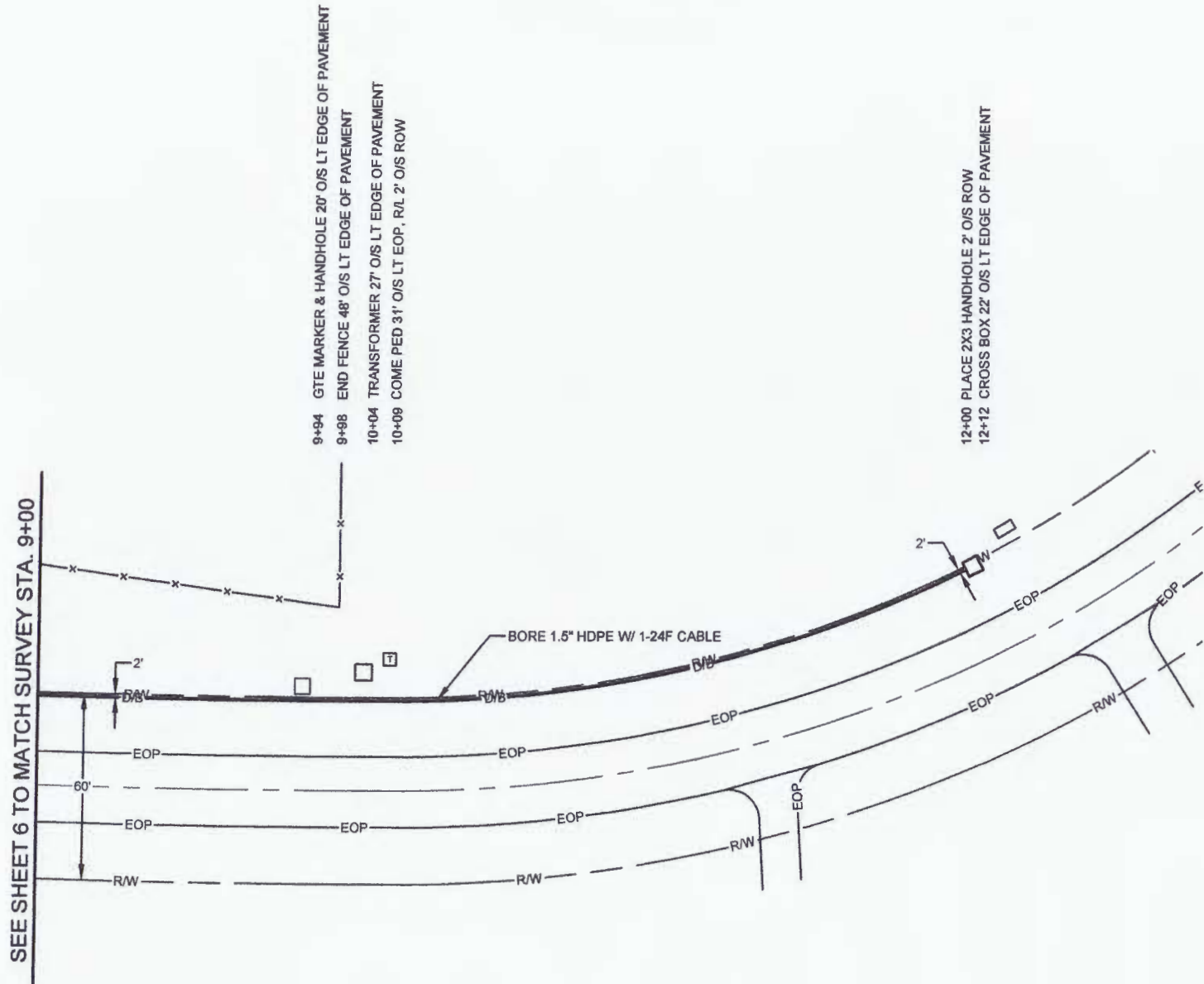
STAR LAKE DR  
MISSOURI CITY, TX

DATE: 5/21/18  
ENGINEER: \_\_\_\_\_  
DRAWN BY: G.F.S. (CLR)  
REVISIONS  

No.	DATE	DESCRIPTION	BY

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE  
HORIZONTAL: 1"= 50'  
VERTICAL: 1"= N/A  
MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 7 OF 7  
FILE: \_\_\_\_\_



*5-22-18*

ALL O/S EOP



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.

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY GOLDEN FIELD SERVICES, INC.. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.



