

**PERMIT TO CONSTRUCT UTILITY
IN WALLER COUNTY RIGHT-OF-WAY**

ROAD: **Anserra Trail**

DATE: **05/20/2024**

To: **Black & Veatch
Comcast of Houston LLC
[American Communications Construction, Inc.]
11401 Lamar Ave.
Overland Park, KS 66211**

Permit # 24.UP.014

The location on the right-of-way of your proposed buried line as shown by the accompanying notice dated **05/07/2024** is approved.

Your attention is directed to Art. 1436A (for power lines) and Art. 1416 (for communication lines) Vernon's Annotated Texas Civil Statutes with particular attention to the following provisions:

1. The Court Commission may designate the place along the right-of-way where such lines shall be constructed.
2. Emplacement of buried lines shall be a minimum of 36 inches below the flow line of the existing ditch. For installations parallel to the right-of-way, the utility shall be located within three (3) feet of the edge of the right-of-way, unless otherwise approved by the County.
3. All placement of lines beneath roadways and asphalt or concrete paved driveways shall be jacked or bored. No open cut will be allowed within five feet of the edge of roadways or such driveways. Open cuts on unpaved driveways shall be performed only with a trenching machine and shall not be excavated. In such cases the trench shall be backfilled and compacted. The driveway surface shall be restored to its original condition. Any variance to these requirements shall have the Commissioners' Court approval.
4. All buried water lines shall be marked thoroughly with detectable tracer wire. All other lines shall be marked thoroughly with detectable underground warning tape. Public to be safe-guarded by use of construction signs and barricades. Identification markers shall be placed along right-of-way lines, that is readily identifiable, indicating name of Company, type of line and emergency contact number.
5. Restore roads to their original condition. Trench is to be back-tracked, dragged, graded and filled as necessary to minimize erosion and sedimentation resulting from the proposed installation. Ditches are to be left clear for drainage.
6. The Court Commission may require the owner to relocate this line, for valid reasons under the law by giving thirty (30) days written notice.

The contractor must notify the County Engineer at (979) 826-7670, forty-eight (48) hours prior to starting construction of the line in order that we may have a representative present. An inspection of the line installation is required prior to backfilling the excavation to confirm proper cover depth.

SPECIAL PROVISIONS:

WALLER COUNTY COMMISSIONERS' COURT

Carbett "Trey" J. Duhon III, County Judge

It is ORDERED by the Court on motion by Commissioner _____, duly seconded by Commissioner _____, that the above and foregoing request be and the same is hereby approved, with _____ members present voting in favor and _____ members present voting opposed. The County Engineer is authorized to comply with the above requests.

Date

Debbie Hollan, County Clerk

Deputy

24. UP. 014

NOTICE OF PROPOSED UTILITY WORK IN WALLER COUNTY RIGHT-OF-WAY

Formal notice is hereby given that American Communications Construction Inc. (utility contractor) proposes to place a

underground Fiber cable

within the right-of-way of

ANSERRA TRAIL
(street)

as follows:

Provide details for location, length, construction method, design (i.e. the dimensions from ROW line, edge of curb or pavement), etc.

Comcast is to install approx 1968' of underground conduit/cable along ANSERRA TRAIL

The UG fiber cable will be constructed and maintained on the road right-of-way as directed by Waller County Road & Bridge in accordance with governing laws. Our firm further understands that the County considers proper traffic control measures as those complying with applicable portions of the Texas Manual on Uniform Traffic Control Devices required for adoption by the "Transportation Code" (Ch 251).

The location and description of the proposed work and appurtenances is more fully shown by a PDF drawing and traffic control attached to this notice.

Construction is proposed to begin on or after the 01 day of DECEMBER, 20 24.

Firm: Black & Veatch (Permitting on the behalf of Comcast of Houston LLC) Address: 11401 Lamar Avenue, Overland Park, KS 66211

By: Paul Rader

Signature: Paul Rader

Phone: +1 913-458-9138

Title: Permit Coordinator

Email: BVPermitting@bv.com

APPROVAL

This application is hereby approved subject to the following understandings and restrictions.

It is expressly understood that the said Waller County does not hereby imply to grant any right, claim, title or easement in or upon this County Road; and it is further understood that in the future, should Waller County, for any reason, need to work, improve, relocate, widen, increase, add to, decrease, or in any manner change the structure of this road or right-of-way, this line, if affected, will be moved at the direction of the Waller County Engineer or Road Administrator with thirty (30) days written notice.

This installation work shall not damage any part of the roadway and adequate provisions shall be made to cause a minimum of inconvenience to traffic and adjacent property owners. Permit shall be effective upon acceptance date of Formal Notice presentation in Commissioners Court, for a duration of one (1) year, with the opportunity of a six (6) month extension after a written request is sent and approved by the County Engineer.

APPROVED BY WALLER COUNTY ROAD & BRIDGE DEPT.

[Signature]
County Engineer or Road Administrator

5-20-24

Date

Traffic Controls Required: Y N

Traffic Controls Reviewed By: Robt J. Goodspeed

Bond: Y N Bond Amount (\$): —

Floodplain Dev. Permit Required: Y N

Permit #: — Precinct #: 4

R&B Inspector: ROBERT J. GOODSPEED

Waller County Road & Bridge Department

775 Business 290 East, Hempstead, TX 77445 Phone (979) 826-7670

R:\Construction Inspection\Forms\Waller County Utility Installation and NOTICE.docx

Rev. 082023.1



WALLER COUNTY VICINITY MAP



11401 LAMAR AVE
OVERLAND PARK, KS 66211
(913) 458-2000

0	06/07/24	ISSUED FOR PERMITTING
REV	DATE	DESCRIPTION

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS
THEY ARE ACTING UNDER THE DIRECTION OF A
LICENSED PROFESSIONAL ENGINEER, TO ALTER THE
DOCUMENT

SHEET NUMBER
T-1



- **BORE FOOTAGE:**_____ **1968**
- **BORE PITS:**_____ **3**
- **POTHoles:**_____ **N/A**
- **NEW AERIAL:**_____ **N/A**
- **OVERLASH:**_____ **N/A**
- **NEW VAULTS:**_____ **N/A**
- **EXISTING VAULTS:**_____ **N/A**
- **NEW PEDESTALS:**_____ **1**
- **EXISTING PEDESTALS:**_____ **N/A**
- **OVERPULL EXISTING CONDUIT:**_____ **N/A**
- **TOTAL PROJECT FOOTAGE:**_____ **1968**

COMCAST PROPOSES TO BEGIN AT EDGE OF ROW 41' SOUTH OF CENTERLINE OF INTERSTATE 10 FRONTAGE RD. BORE SOUTH 487' TO PROPOSED BORE PIT. THEN TURN WEST AND BORE 3' TO EDGE OF ROW. PROJECT CONTINUES WEST OUTSIDE OF ROW.

FROM EDGE OF ROW BORE SOUTH 1558' TO PROPOSED PEDESTAL.
INSTALL (1) 2" CONDUIT AND PULL CABLE THROUGH.

CONTRACTOR SHALL COMPLETE INSTALL PER THE SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ENGINEERING FOR AN APPROVAL PRIOR TO CONTRACTOR PROCEEDING WITH A DEVIATION OF THE SET OF DRAWINGS.

MAGED HENEIN
PE # 102109
BLACK & VEATCH CORPORATION

**UNDERGROUND SERVICE ALERT
UTILITY NOTIFICATION CENTER OF TEXAS
811 OR 1-800-344-8377**

3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

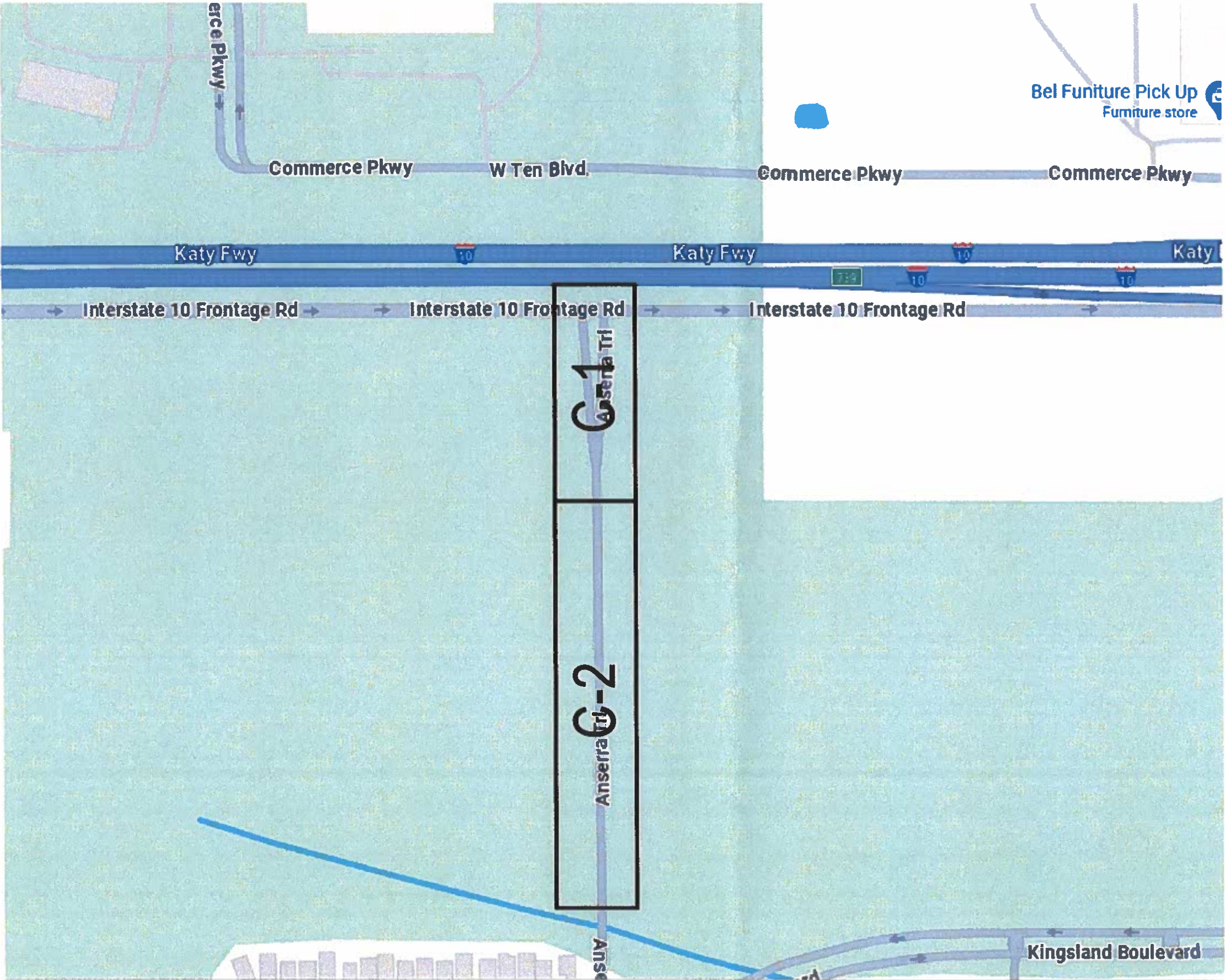
SHEET NO:	SHEET TITLE	REV NO
T-1	TITLE SHEET & PROJECT DATA	0
T-2	LOCATION MAP	0
C-1	OVERALL SITE PLAN	0
TCP-1	TRAFFIC CONTROL PLAN	0

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

11"x17" PLOT WILL BE HALF SCALE UNLESS NOTED

LOCATION MAP
JB1674516



NOT TO SCALE



BLACK & VEATCH

11461 LAMAR AVE
OVERLAND PARK, KS 66211
(913) 458-2000

PROJECT NO:	405851
DRAWN BY:	AVB
CHECKED BY:	JMG

0	05/07/24	ISSUED FOR PERMITTING
REV	DATE	DESCRIPTION

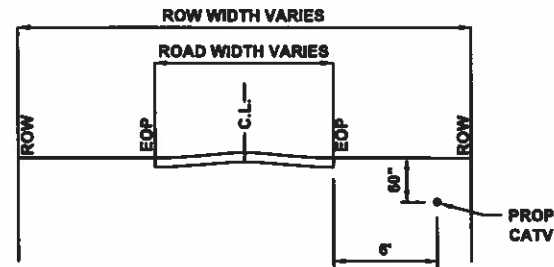
BLACK & VEATCH ENGINEERING
F-258

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS
THEY ARE ACTING UNDER THE DIRECTION OF A
LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS
DOCUMENT.

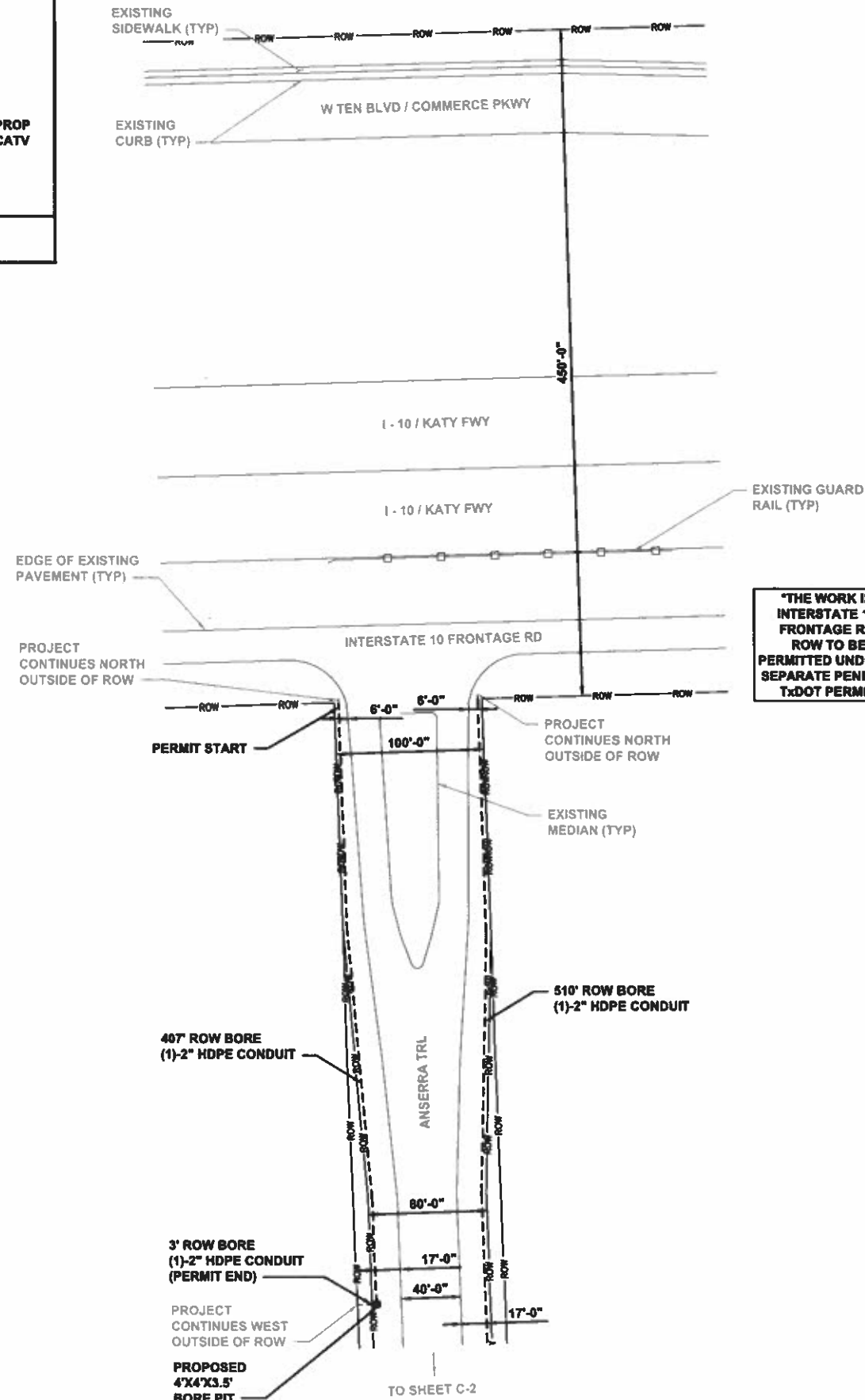
PRM0001102688
TERRITORY AT ANSERRA
4000 ANSERRA TRAIL KATY
KATY, TX 77494

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-2



TYPICAL BORE PROFILE ADJACENT TO ROAD
CABLE PULLED THROUGH (1)-2" HDPE CONDUIT

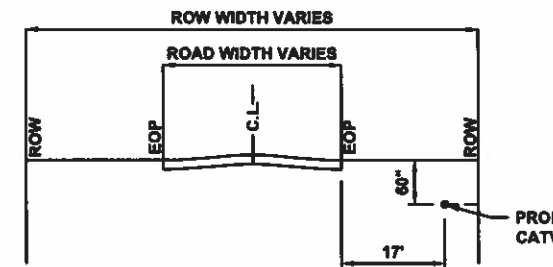


- CATV UG ROUTE
- CATV AERIAL ROUTE
- CATV PED
- BORE PIT
- TEMPORARY ACCESS PIT
- JOINT USE POLE
- GUARDRAIL
- VAULT
- RIGHT OF WAY



LEGEND

OVERALL SITE PLAN



TYPICAL BORE PROFILE ADJACENT TO ROAD
CABLE PULLED THROUGH (1)-2" HDPE CONDUIT

DEPTH OF UTILITIES WILL BE DETERMINED BY
POTHOLE PRIOR TO CONSTRUCTION

1. THE CONTRACTOR SHALL CONTACT TEXAS ONE CALL SYSTEM AT 1-800-245-4545 MIN. 48 HOURS BEFORE DIGGING.
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND FACILITIES.
3. NO MORE TRENCH OPENED AT ONE TIME THAN CAN BE BACKFILLED AND COMPACTED IN 16" LIFTS AT THE END OF EACH DAY. (NO TRENCH LEFT OPENED OVERNIGHT.)
4. ALL EXCESS EXCAVATION TO BE REMOVED FROM THE ROAD RIGHT-OF-WAY AT THE END OF EACH DAY.
5. DITCHES TO BE OPENED AT THE END OF EACH DAY TO ASSURE ADEQUATE DRAINAGE.
6. ROAD MUST BE KEPT OPEN TO TRAFFIC AND CONSTRUCTION MUST PROVIDE ADEQUATE FLAGMEN, SIGNALS, ETC., TO PROVIDE COMPLETE SAFETY TO THE PUBLIC.
7. IF IT BECOMES NECESSARY FOR EQUIPMENT OPERATION ON A PORTION OF THE PAVEMENT, PRECAUTIONS MUST BE TAKEN TO PREVENT ANY DAMAGE WHATSOEVER TO THE PAVEMENT.
8. CONDITION OF ROAD UPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING.
9. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE NATIONAL ELECTRICAL SAFETY CODE (NESC) REQUIREMENTS, CENTERPOINT ENERGY ELECTRICAL POLE ATTACHMENT GUIDELINES & PROCEDURES AND ALL APPLICABLE LOCAL REQUIREMENTS AND REGULATIONS FOR PLACEMENT OF AERIAL CABLE FACILITIES, 18' MIN. VERTICAL CLEARANCE.
10. ALL UTILITIES WILL BE IDENTIFIED BY POTHOLE BEFORE ANY CONSTRUCTION.
11. COMCAST WILL MAINTAIN (2 FT) HORIZONTAL & VERTICAL SEPARATION FROM ANY EXISTING UTILITIES.

48 HOUR NOTICE: CONTRACTOR SHALL NOTIFY WALLER COUNTY ENGINEER AT (979) 826-7670, FORTY-EIGHT (48) HOURS PRIOR TO STARTING CONSTRUCTION OF THE LINE IN ORDER THAT WE MAY HAVE A REPRESENTATIVE PRESENT.

NOTES

Comcast
of HOUSTON, LLC



BLACK & VEATCH

11401 LAMAR AVE
OVERLAND PARK, KS 66211
(913) 458-2000

PROJECT NO: 400851
DRAWN BY: AVS
CHECKED BY: JMG

REV	DATE	DESCRIPTION
0	05/07/24	ISSUED FOR PERMITTING

BLACK & VEATCH ENGINEERING
F-258

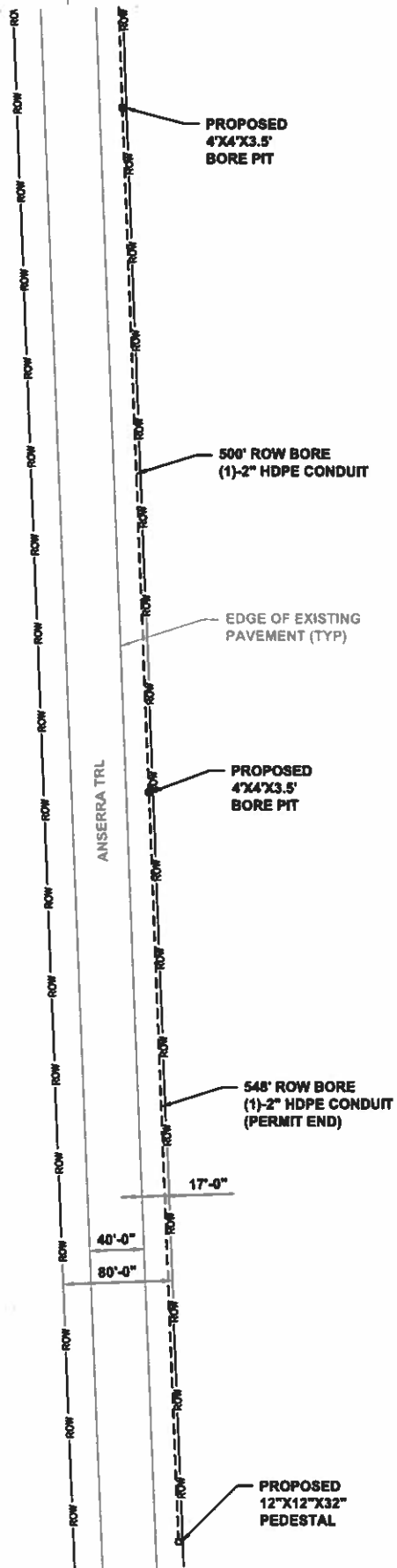
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS
THEY ARE ACTING UNDER THE DIRECTION OF A
LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS
DOCUMENT.

PRM0001102688
TERRITORY AT ANSERRA
4000 ANSERRA TRAIL KATY
KATY, TX 77494

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
C-1

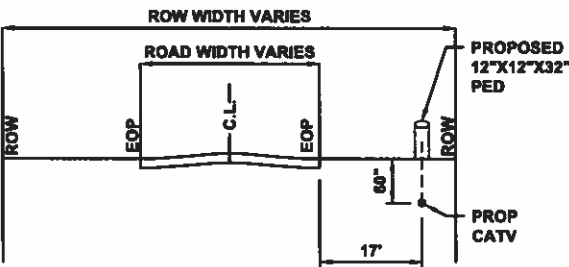
FROM SHEET C-1
TO INTERSTATE 10 FRONTAGE RD



- CATV UG ROUTE
- CATV AERIAL ROUTE
- CATV PED
- BORE PIT
- TEMPORARY ACCESS PIT
- JOINT USE POLE
- GUARDRAIL
- VAULT
- RIGHT OF WAY



OVERALL SITE PLAN



TYPICAL BORE PROFILE ADJACENT TO ROAD
CABLE PULLED THROUGH (1)-2" HDPE CONDUIT

DEPTH OF UTILITIES WILL BE DETERMINED BY
POTHOLE PRIOR TO CONSTRUCTION

1. THE CONTRACTOR SHALL CONTACT TEXAS ONE CALL SYSTEM AT 1-800-245-4545 MIN. 48 HOURS BEFORE DIGGING.
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND FACILITIES.
3. NO MORE TRENCH OPENED AT ONE TIME THAN CAN BE BACKFILLED AND COMPACTED IN 16" LIFTS AT THE END OF EACH DAY. (NO TRENCH LEFT OPENED OVERNIGHT.)
4. ALL EXCESS EXCAVATION TO BE REMOVED FROM THE ROAD RIGHT-OF-WAY AT THE END OF EACH DAY.
5. DITCHES TO BE OPENED AT THE END OF EACH DAY TO ASSURE ADEQUATE DRAINAGE.
6. ROAD MUST BE KEPT OPEN TO TRAFFIC AND CONSTRUCTION MUST PROVIDE ADEQUATE FLAGMEN, SIGNALS, ETC., TO PROVIDE COMPLETE SAFETY TO THE PUBLIC.
7. IF IT BECOMES NECESSARY FOR EQUIPMENT OPERATION ON A PORTION OF THE PAVEMENT, PRECAUTIONS MUST BE TAKEN TO PREVENT ANY DAMAGE WHATSOEVER TO THE PAVEMENT.
8. CONDITION OF ROAD UPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING.
9. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE NATIONAL ELECTRICAL SAFETY CODE (NESEC) REQUIREMENTS, CENTERPOINT ENERGY ELECTRICAL POLE ATTACHMENT GUIDELINES & PROCEDURES AND ALL APPLICABLE LOCAL REQUIREMENTS AND REGULATIONS FOR PLACEMENT OF AERIAL CABLE FACILITIES, 18' MIN. VERTICAL CLEARANCE.
10. ALL UTILITIES WILL BE IDENTIFIED BY POT HOLE BEFORE ANY CONSTRUCTION.
11. COMCAST WILL MAINTAIN (2 FT) HORIZONTAL & VERTICAL SEPARATION FROM ANY EXISTING UTILITIES.

48 HOUR NOTICE: CONTRACTOR SHALL NOTIFY WALLER COUNTY ENGINEER AT (979) 826-7670, FORTY-EIGHT (48) HOURS PRIOR TO STARTING CONSTRUCTION OF THE LINE IN ORDER THAT WE MAY HAVE A REPRESENTATIVE PRESENT.

NOTES



BLACK & VEATCH
11401 LAMAR AVE
OVERLAND PARK, KS 66211
(913) 458-2900

PROJECT NO:	408881
DRAWN BY:	AVB
CHECKED BY:	JMG

REV	DATE	DESCRIPTION
0	05/07/24	ISSUED FOR PERMITTING

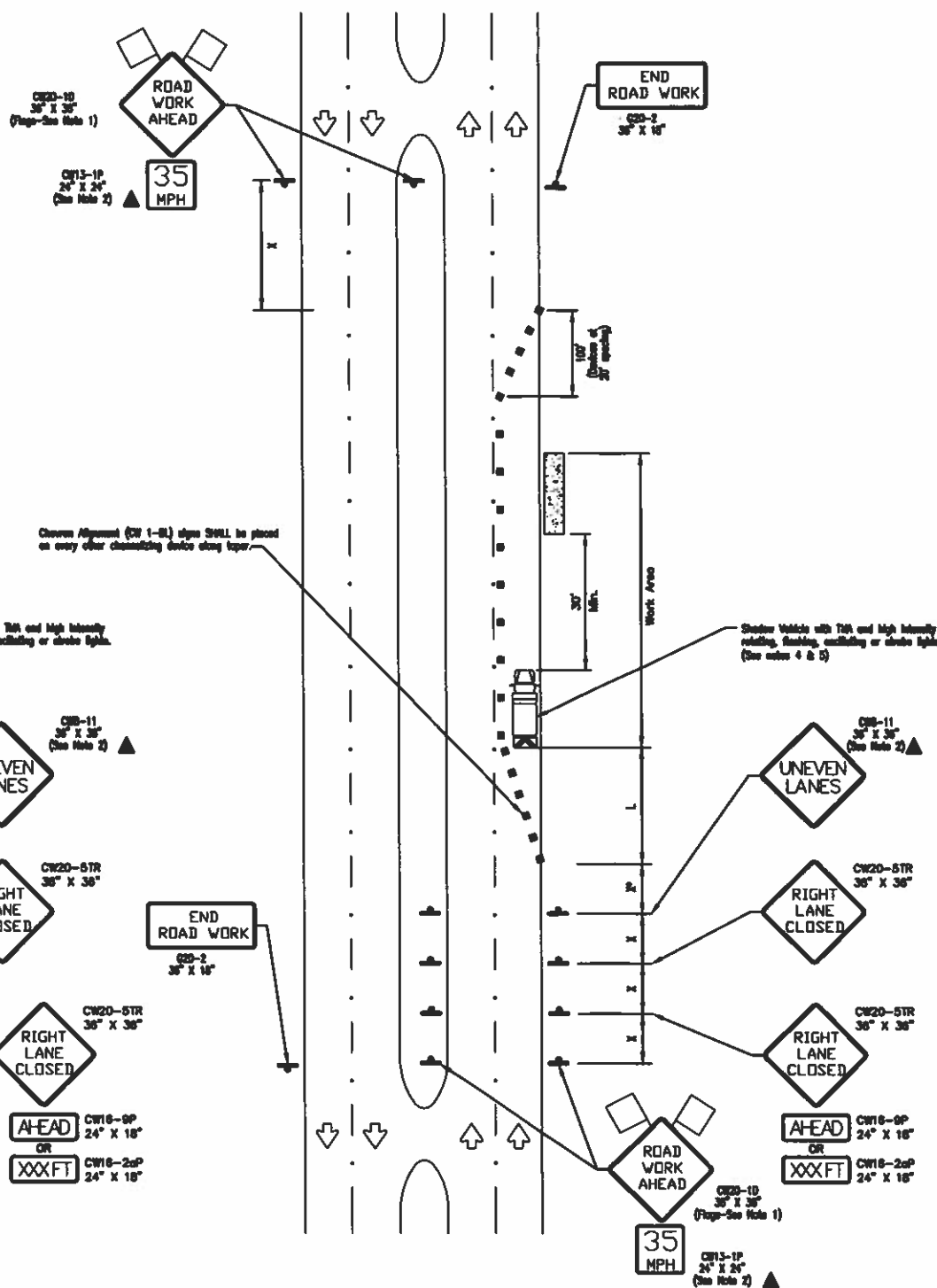
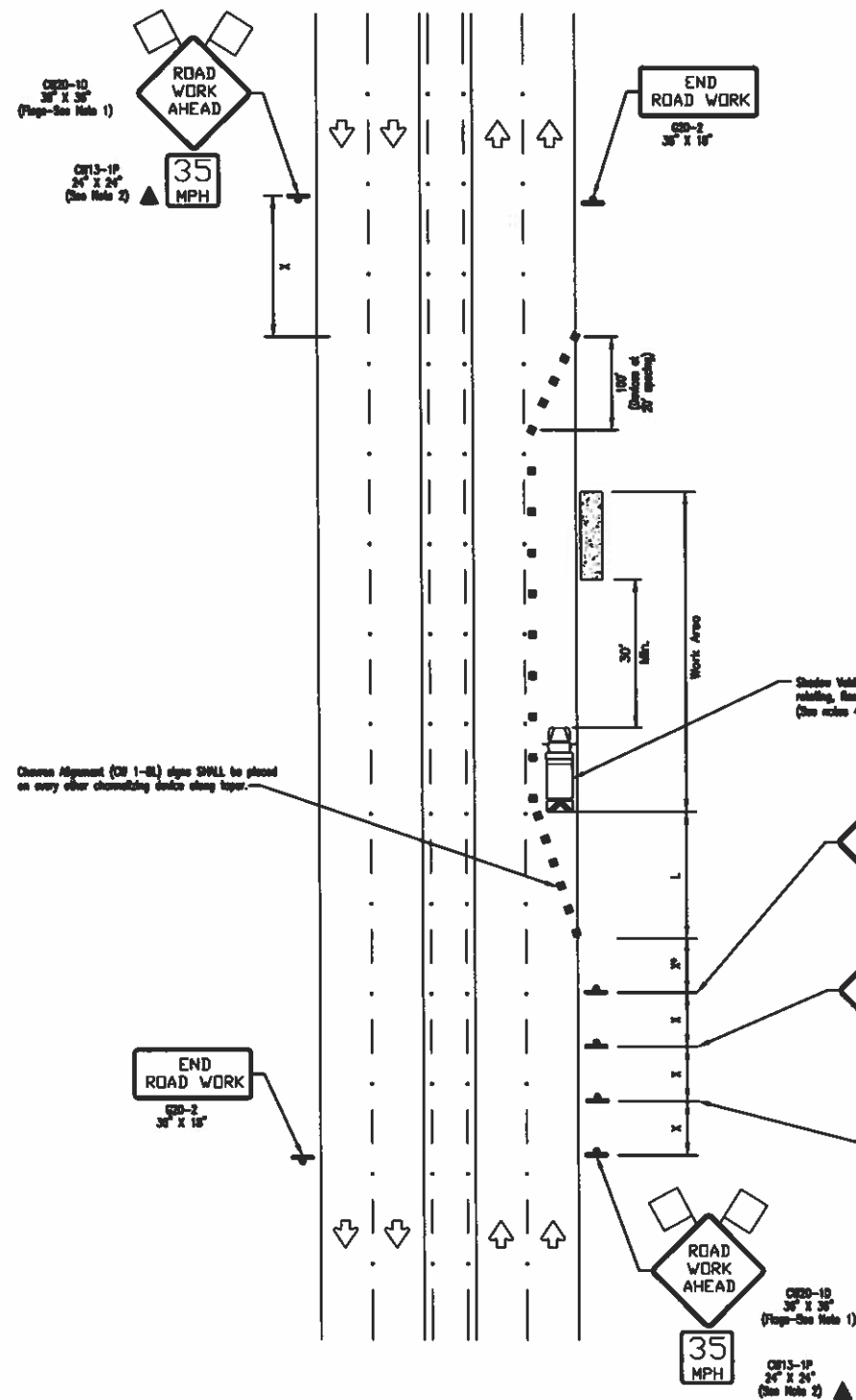
BLACK & VEATCH ENGINEERING
F-258

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

PRM0001102688
TERITORY AT ANSERRA
4000 ANSERRA TRAIL KATY
KATY, TX 77494

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
C-2



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TAPER LENGTH	SPACING CHANNELIZING DEVICES		SIC SPACING	BUFFER SPACE
			TAPER	INWENT		
ANSERRA TRL	35	245	35	70	160	120

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 "L"			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "S"	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent	Distance	
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		285'	295'	320'	40'	80'	240'	155'
45		450'	465'	540'	45'	90'	320'	185'
50		600'	650'	600'	50'	100'	400'	240'
55	L=WS	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)

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 J Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMA may be positioned off the paved surface, rear to those shown in order to protect other work spaces.
- See TCD(5-1) for shoulder work on divided highways, expressways and freeways.
- CR21-5 "SHOULDER WORK" signs may be used in place of CR20-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

Comcast
of HOUSTON, LLC



BLACK & VEATCH

11401 LAMAR AVE
OVERLAND PARK, KS 66211
(913) 458-2000

PROJECT NO: 405651
 DRAWN BY: AVS
 CHECKED BY: JWG

REV	DATE	DESCRIPTION
0	03/07/24	ISSUED FOR PERMITTING

BLACK & VEATCH ENGINEERING
F-255

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

PRM0001102688
 TERRITORY AT ANSERRA
 4000 ANSERRA TRAIL KATY
 KATY, TX 77494

SHEET TITLE
TRAFFIC CONTROL PLAN

SHEET NUMBER
TCP-1