

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

ROAD: **BECKENDORFF RD AND EMERALD OCEAN DRIVE**

DATE: **07/10/2024**

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

Permit # 24.UP.019

The location on the right-of-way of your proposed buried line as shown by the accompanying notice dated **07/12/2024** 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

24.0P.019

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 Beckendorff Rd and Emerald Ocean Dr as follows:
(street)

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 199' of underground conduit/cable along Beckendorff Rd and Emerald Ocean Dr

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 12 day of July, 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: +1 913-458-9136

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

7-4-24
Date

Traffic Controls Required: Y N

Traffic Controls Reviewed By: RJP

Bond: Y N Bond Amount (\$): ---

Floodplain Dev. Permit Required: Y N

Permit #: _____ Precinct #: 3

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



3001 EMERALD OCEAN DR
KATY, TX 77493

WALLER COUNTY VICINITY MAP

**BUILD (ROW WORK ONLY)**

- | | |
|------------------------------|-----|
| • BORE FOOTAGE: | 199 |
| • BORE PITS: | 2 |
| • POTHOLE: | N/A |
| • NEW AERIAL: | N/A |
| • OVERLASH: | N/A |
| • NEW VAULTS: | N/A |
| • EXISTING VAULTS: | N/A |
| • NEW PEDESTALS: | N/A |
| • EXISTING PEDESTALS: | N/A |
| • OVERPULL EXISTING CONDUIT: | N/A |
| • TOTAL PROJECT FOOTAGE: | 199 |

SCOPE OF WORK

COMCAST PROPOSES TO BEGIN AT EXISTING POLE 28' NORTH OF
CENTERLINE OF BECKENDORFF RD. RISER DOWN. BORE SOUTH 96' TO
PROPOSED BORE PIT. THEN TURN EAST AND BORE 100' TO PROPOSED
BORE PIT. THEN TURN SOUTH AND BORE 3' TO EDGE OF ROW.
PROJECT CONTINUES OUTSIDE OF ROW.
INSTALL (1) 2" CONDUIT AND PULL CABLE THROUGH.

CONTRACTOR NOTE

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.

ENGINEER OF RECORD

MAGED HENEIN
PE # 102109
BLACK & VEATCH CORPORATION

CALL BEFORE YOU DIG



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

3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

DRAWING INDEX		
SHEET NO:	SHEET TITLE	REV NO
T-1	TITLE SHEET & PROJECT DATA	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



BLACK & VEATCH

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

PROJECT NO:	48645
DRAWN BY:	APT
CHECKED BY:	JMC

8	8/5/1/24	ISSUED FOR PERMITTING
REV	DATE	DESCRIPTION

BLACK & VEATCH ENGINEERING
F-250

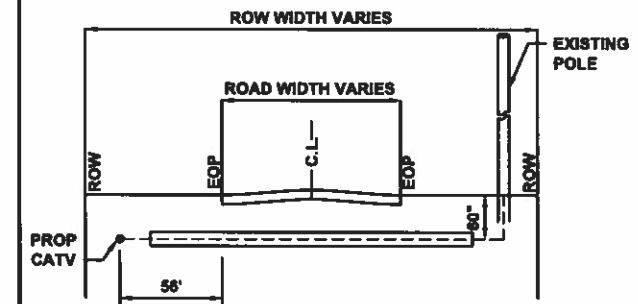
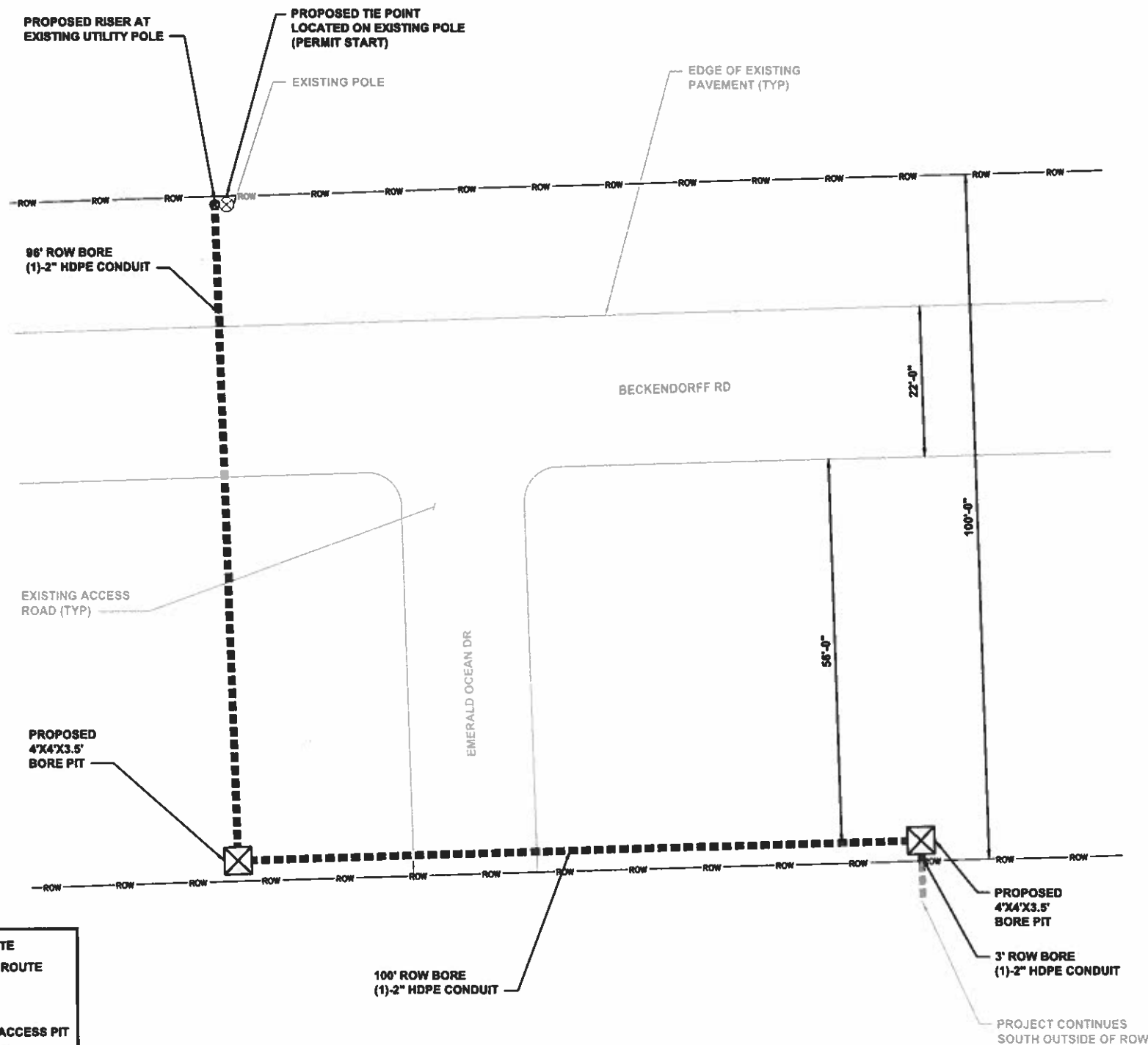
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS
THEY ARE ACTING UNDER THE DIRECTION OF A
LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS
DOCUMENT.

PRM0000626473
3001 EMERALD OCEAN DR
KATY, TX 77493

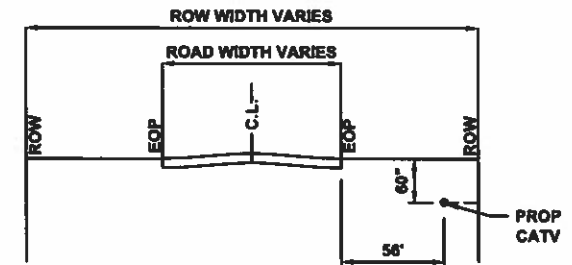
SHEET TITLE

TITLE SHEET

SHEET NUMBER
T-1



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



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 10" 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 (NEC) 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 (978) 828-7870, FORTY-EIGHT (48) HOURS PRIOR TO STARTING CONSTRUCTION OF THE LINE IN ORDER THAT WE MAY HAVE A REPRESENTATIVE PRESENT.



BLACK & VEATCH

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

PROJECT NO:	409851
DRAWN BY:	APT
CHECKED BY:	JMG

REV	DATE	DESCRIPTION
0	05/01/24	ISSUED FOR PERMITTING

BLACK & VEATCH ENGINEERING
F-258

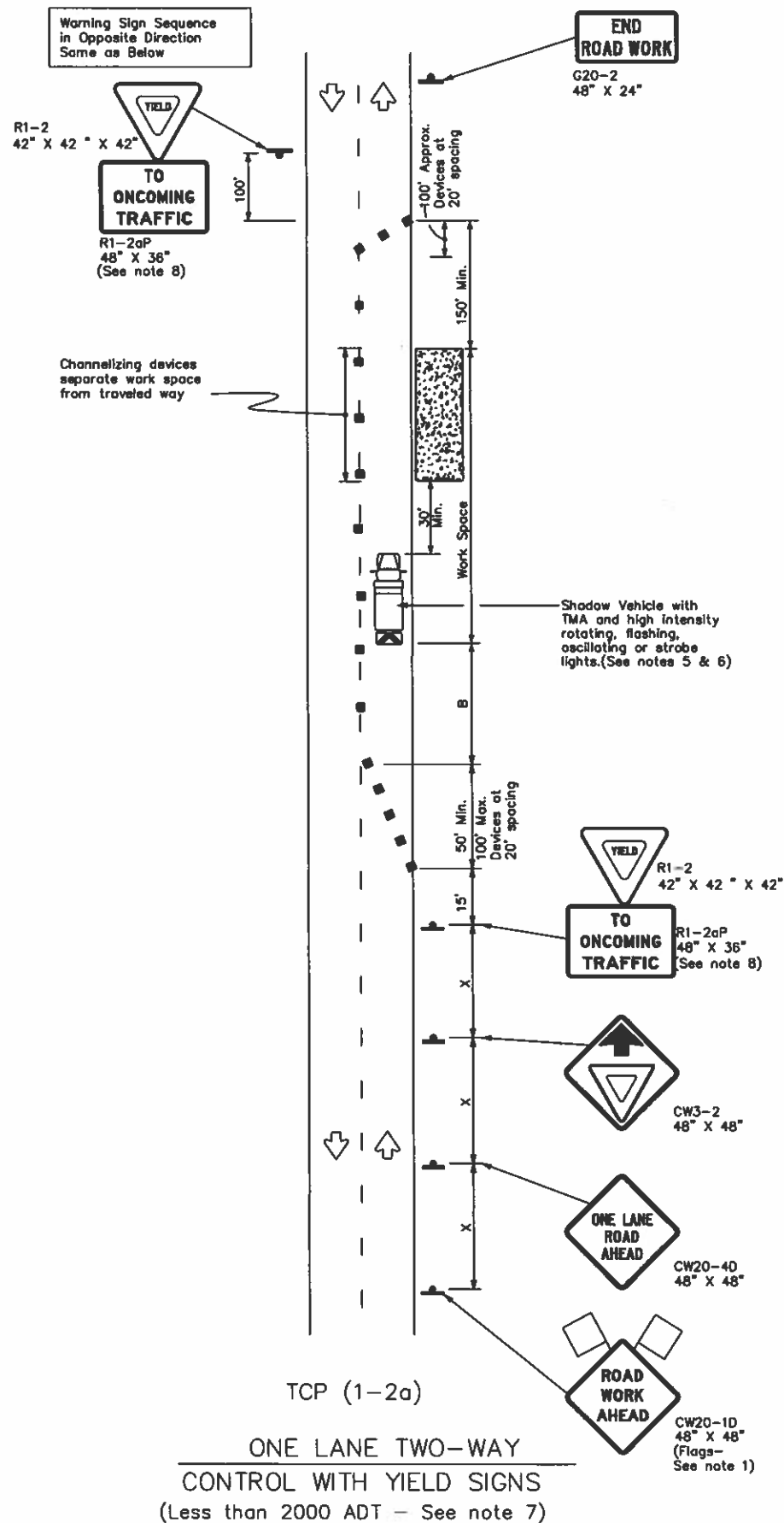
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3001 EMERALD OCEAN DR
KATY, TX 77493

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
C-1

NOTES



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TAPER LENGTH	SPACING CHANNELIZING DEVICES		SIGN SPACING	BUFFER SPACE
			TAPER	TANGENT		
BECKENDORFF RD	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 **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "x" Distance	Suggested Longitudinal Buffer Space "b"	Stopping Sight Distance
		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'	200'
35		205'	225'	245'	35'	70'	160'	120'	250'
40		265'	295'	320'	40'	80'	240'	155'	305'
45	L = WS	450'	495'	540'	45'	90'	320'	195'	360'
50		500'	550'	600'	50'	100'	400'	240'	425'
55		550'	605'	660'	55'	110'	500'	295'	495'
60		600'	660'	720'	60'	120'	600'	350'	570'
65		650'	715'	780'	65'	130'	700'	410'	645'
70		700'	770'	840'	70'	140'	800'	475'	730'
75		750'	825'	900'	75'	150'	900'	540'	820'

* 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.
- The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-40 "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
- Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger or R1-2 "YIELD" sign is less than 1500 feet.
- 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.

TCP (1-2a)

- R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
- R1-2 "YIELD" sign with R1-2aP "TO ONCOMING TRAFFIC" plaque shall be placed on a support at a 7 foot minimum mounting height.

TCP (1-2b)

- Flaggers should use two-way radios or other methods of communication to control traffic.
- Length of work space should be based on the ability of flaggers to communicate.
- If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
- Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
- Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

Comcast
of HOUSTON, LLC



BLACK & VEATCH

11481 LAMAR AVE
OVERLAND PARK, KS 66211
(913) 458-2900

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

REV	DATE	DESCRIPTION
0	05/01/24	ISSUED FOR PERMITTING

BLACK & VEATCH ENGINEERING
F-258

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KATY, TX 77493

SHEET TITLE
TRAFFIC CONTROL PLAN

SHEET NUMBER
TCP-1