



COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM REQUEST FORM

The Board of County Commissioners meets the 1st and 3rd Thursday of each month in the Columbia County School Board Administrative Complex Auditorium, 372 West Duval Street, Lake City, Florida 32055. The first meeting of every month is at 9:30AM while the second meeting of every month takes place at 5:30PM. All agenda items are due in the Board's office one week prior to the meeting date.

Today's Date: 1/23/2025 Meeting Date: 2/6/2025

Department: Public Works

1. Nature and purpose of agenda item:

Utility permit from Duke Energy requesting to perform maintenance on SW MAGNOLIA LN

2. Recommended Motion/Action:

Approve

3. Fiscal impact on current budget.

This item has no effect on the current budget.

**COLUMBIA COUNTY BOARD OF COUNTY COMISSIONERS
UTILITY PERMIT**

Date: 11/08/2024 Permit No. _____ County Road MAGNOLIA LN Section No. 30 T7S R17E

Permittee JESSE KEENE - DUKE ENERGY

Address 4427 PET LN STE 101 LUTZ, FL, 33559 Telephone Number 813-909-1287

Requesting permission from Columbia County, Florida, hereinafter called the County, to contract, operate and maintain 40/5 WOOD POLE

FROM: _____ TO: _____

Submitted for the Utility Owner by: JESSE KEENE Jesse Keene 11/08/2024
Typed Name & Title Signature Date

1. Permittee declares that prior to filing this application it has determined the location of all existing utilities, both aerial and underground and the accurate locations are shown on the plans attached hereto and made a part of this application. Proposed work is within corporate limits of Municipality: YES (☒) NO (☐). If YES: LAKE CITY (☐) FORT WHITE (☒). A letter of notification was mailed on _____ to the following utility owners DUKE ENERGY

2. The Columbia County Public Works Director shall be notified twenty-four (24) hours prior to starting work and again immediately upon completion of work. The Public Works Director is KEVIN IRBY, located at 607 NW QUINTEN ST LAKE CITY, FL 32055 Telephone Number 386-758-2148. The PERMITTEE's employee responsible for Maintenance of Traffic is _____ Telephone Number _____ (This name may be provided at the time of the 24 hour notice to starting work.)

3. This PERMITTEE shall commence actual construction in good faith within ____ days after issuance of permit, and shall be completed within ____ days after permitted work has begun. If the beginning date is more than 60 days from date of permit approval, then PERMITTEE must review the permit with the Columbia County Public Works Director to make sure no changes have occurred in the transportation facility that would affect the permitted construction.

4. The construction and maintenance of such utility shall not interfere with the property and rights of a prior PERMITTEE.

5. It is expressly stipulated that this permit is a license for permissive use only and that the placing of utilities upon public property pursuant to this permit shall not operate to create or vest any property right in said holder.

6. Pursuant to Section 337-403(1), Florida Statutes, whenever necessary for the construction, repair, improvement, maintenance, safe and efficient operation, alteration or relocation of all, or any portion of said transportation facility as determined by the Columbia County Public Works Director and/or County Engineer, any or all utilities and appurtenances authorized hereunder, shall be immediately removed from said transportation facility or reset or

relocated thereon as required by the Columbia County Public Works Director and/or County Engineer and at the expense of the PERMITTEE.

7. In case of non-compliance with the County's requirements in effect as of the approval date of this permit, this permit void and the facility will have to be brought into compliance or removed from the right of way at no cost to the County.

8. It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the County's right, title and interest in the land to be entered upon and used by the PERMITTEE, and the PERMITTEE will, at all times, and to the extent permitted by law, assume all risk of and indemnify, defend, and save harmless Columbia County, Florida from any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercise by said PERMITTEE of the aforesaid right and privileges.

9. During construction, all safety regulations of the County shall be observed and the PERMITTEE must take measures, including pacing and the display of safety devices that may be necessary in order to safely conduct the public through the project area in accordance with the Federal Manual on Uniform Traffic Control Devices, as amended for highways.

10. Should the PERMITTEE be desirous of keeping its utilities in place and out of service, the PERMITTEE, by execution of this permit acknowledges its present and continuing ownership of its utilities located between _____ and _____ within the County's right of way as set forth above. PERMITTEE, as its sole expense, shall promptly remove said out of service utilities whenever Columbia County Public Works Director and/or County Engineer determines said removal is in the public interest.

11. Special instructions: Minimum cover of thirty inches (30") will be required at all locations. Columbia County will not be financially responsible for any damage to facilities with less than thirty inches (30") cover. Cables shall not be located within driveway ditches.

12. Additional Stipulations: _____

It is understood and agreed that commencement by the PERMITTEE is acknowledgment and acceptance of the binding nature of these specialist instructions.

Submitted By: JESSE KEENE
Permittee

Place Corporate Seal

Jesse Keene PERMIT MANAGER
Signature and Title

Attested

Utilities Permit
Page three
Revised: 8/17/00

Recommended for Approval:

Signature: ILJ
Title: ASS County Manager
Date: 01-22-26

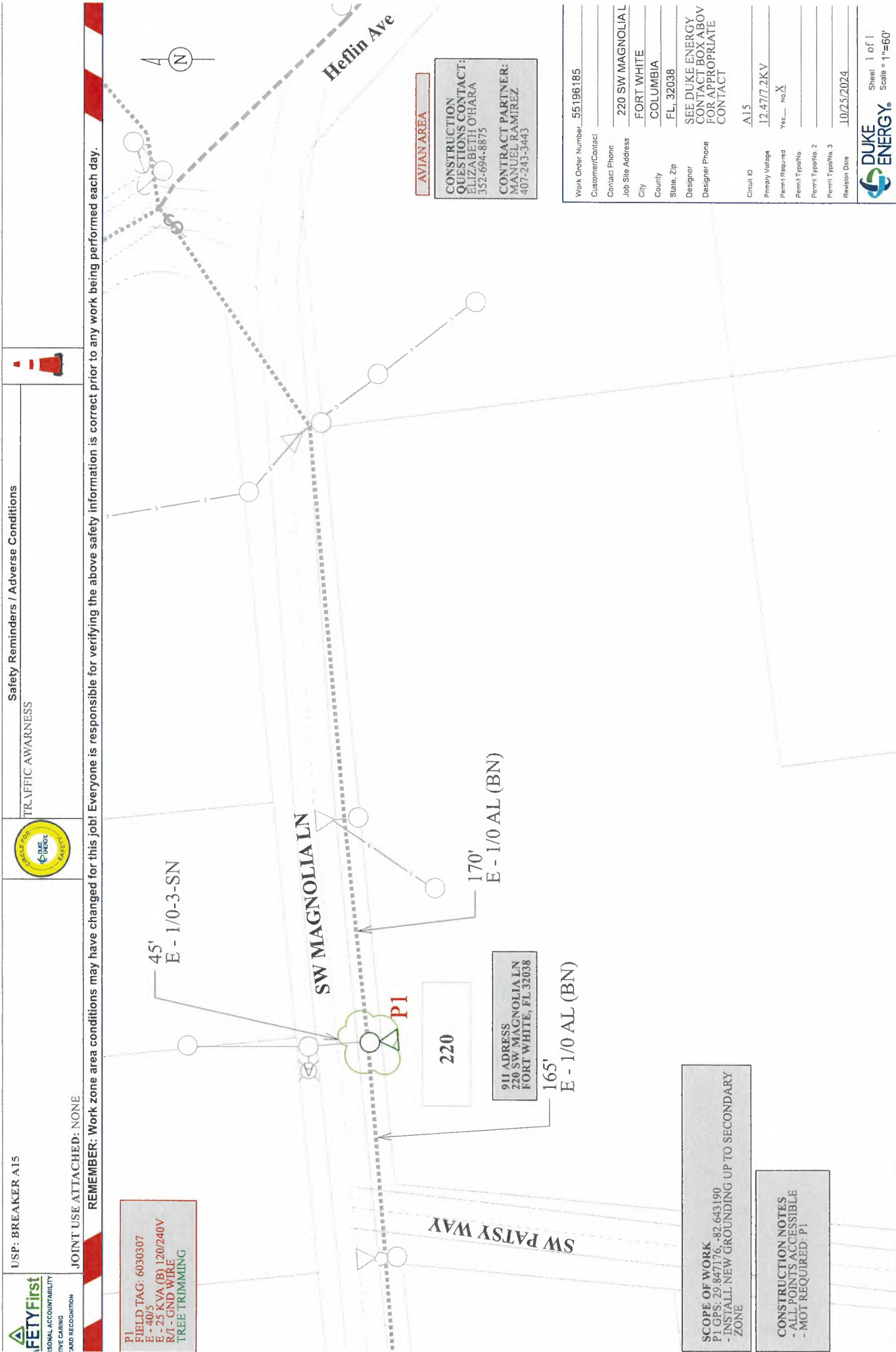
Approval by Board of County Commissioners, Columbia County, Florida:

YES () NO ()

Date Approved: _____

Chairman's Signature: _____





LEGEND FOR CONSTRUCTION PRINTS





Existing Overhead Transformer

Install Overhead Transformer

Existing Underground Transformer

Install Underground Transformer

Install Pedestal

Install Recloser

Existing Down Guy

Install Down Guy

Existing Pole

Install New Pole

Existing Fuse

Install Fuse

Overhead Cable

Closed Switch

GENERAL CONSTRUCTION NOTES

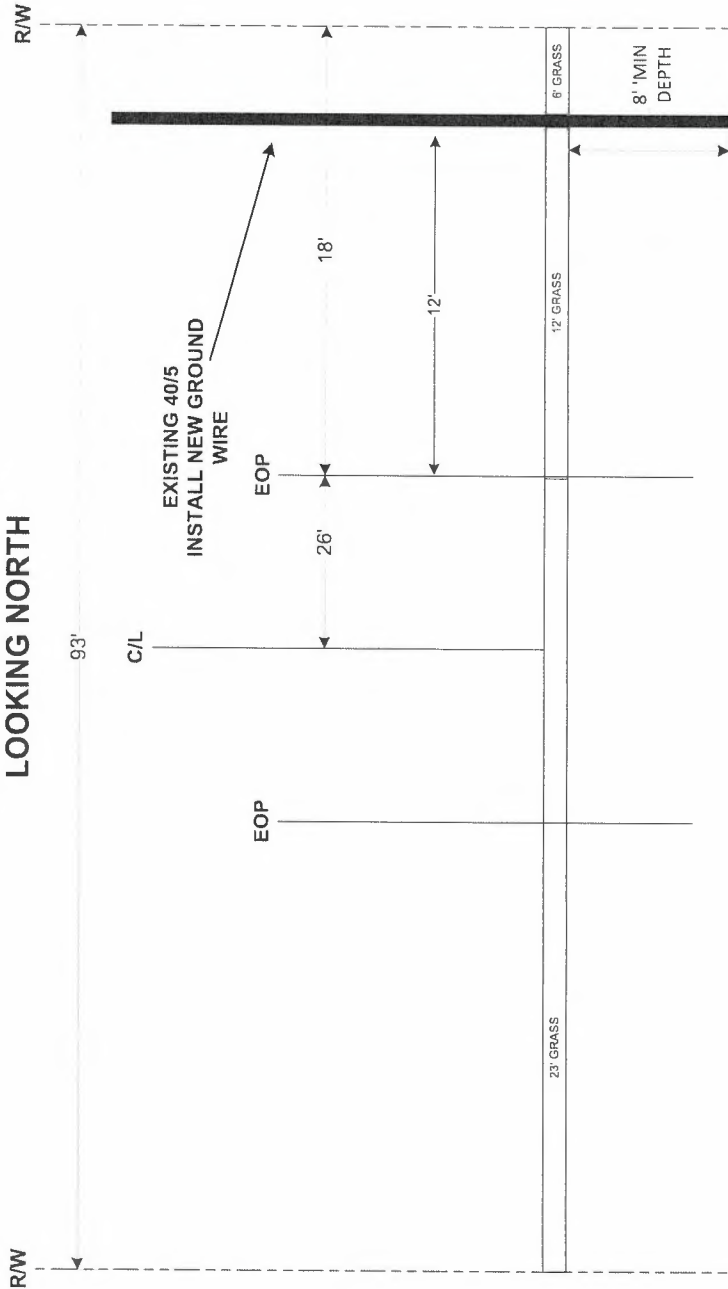
- DUKE ENERGY TO RESTORE RIGHT OF WAY TO EQUAL OR BETTER THAN EXISTING CONDITION.
- TO AVOID CONFLICTS, CONTRACTOR WILL COORDINATE DEPTH OF UNDERGROUND FACILITIES WITH THE MUNICIPALITY INSPECTOR PRIOR TO BORES BEING INSTALLED.
- MINIMUM DEPTH OF CABLE IN CONDUIT IS 36 INCHES BELOW GRADE. THREE FEET OF SEPARATION FROM EXISTING UTILITIES AND STORM WATER/SEWERS REQUIRED.
- ALL PULL BOX LIDS SHALL BE TRAFFIC RATED WHEN INSTALLED WITHIN THE RIGHT OF WAY.
- CONTRACTOR SHALL MAINTAIN AN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS, SIDEWALKS, AND SIDE STREETS ALWAYS, UNLESS OTHERWISE APPROVED ON THE MOT PERMIT.
- A SEPARATE PERMIT WILL BE REQUIRED FOR ANY SUBSURFACE TEST HOLES UNDER PAVEMENT.
- DUKE ENERGY TO MAINTAIN 3 FEET MINIMUM COVER.
- ALL OTHER RIGHT OF WAY USERS AND MUNICIPALITIES IN THE IMMEDIATE VICINITY OF THE PROPOSED CONSTRUCTION/INSTALLATION HAVE BEEN NOTIFIED IN WRITING.
- MINIMUM DEPTH OF CABLE AND CONDUIT UNDER SWALES AND DITCHES IS 3 FEET BELOW THE BOTTOM OF THE SWALES AND DITCHES.
- MINIMUM HEIGHT OF OVERHEAD WIRES AND CABLE TO BE A MINIMUM OF 15.5' OVER ROADWAYS AND DRIVEWAYS.



****BEFORE DIGGING,
CALL SUNSHINE @ 1 (800) 432-7770**



TYPICAL CROSS SECTION
LOOKING NORTH



TYPICAL CROSS SECTION FOR
SW MAGNOLIA AVE, FL

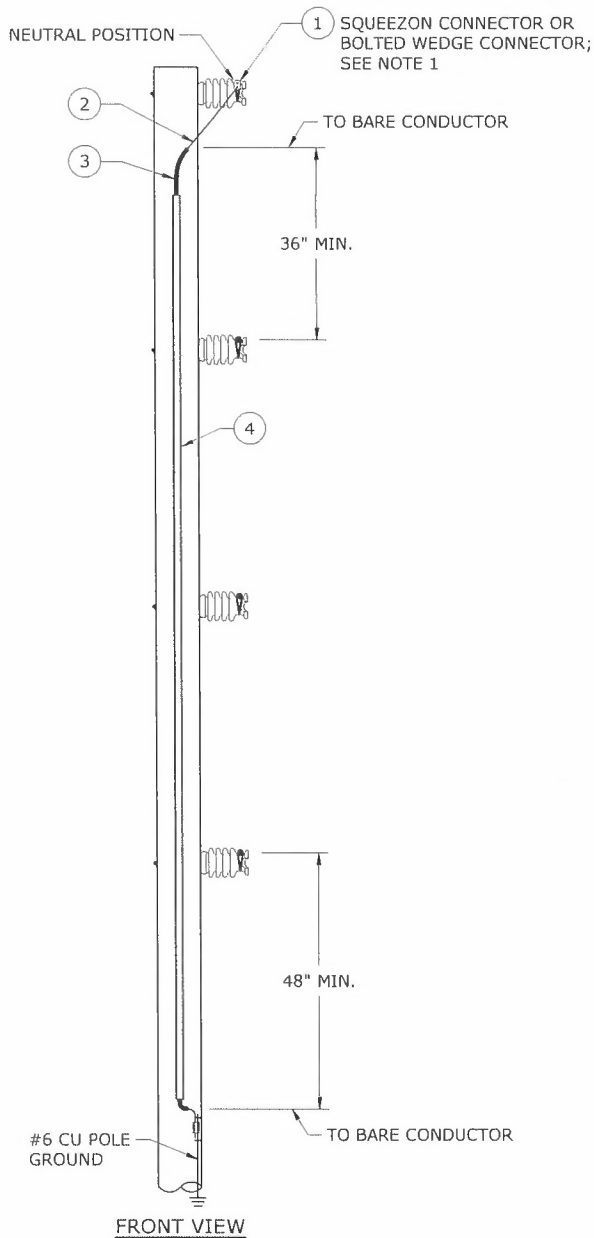
Note: Unknown depths will need to be determined at the time of construction via pothole.

Note: Directional bore setup will be within private property along P/L and shoot towards the R/W to a pit.

EXISTING UTILITIES ASSUMED @ 36" MIN DEPTH | EXISTING UTILITY ABBREVIATIONS:
S – SEWER | R – RECLAIMED WATER | W – POTABLE WATER | G – GAS | E – ELECTRIC |
C – COMMS, ALARM, SIGNAL, CABLES, CONDUIT | V – CULVERT, STORM DRAIN

WO# 55196185
DRAWN:
DATE: 11/8/24

PROJECT LOCATION:
SW MAGNOLIA AVE, FL



BILL OF MATERIALS

BUBBLE NUMBER	COMPATIBLE UNIT	CU QTY	ITEM NUMBER	ITEM QTY/ CU	DESCRIPTION
1	-	1	-	1	SEE SECTION 04 FOR CONNECTOR DETAILS
2	GND-POLE-2-F	1	4173267	40 FT	WIRE/CABLE, ELECTRICAL, BARE, SOL SD, 2 AWG, CU CONDUCTOR
			4001715	40	STAPLE, DIAMOND PT, 2" X 5/8" X 3/16", GALV STL
			933366	1	CONNECTOR, ELECTRICAL, COMP, H-TAP, 1/0 AWG 6 X 1 STR ACSR
3	WG-TUBE-SM-F	10	4159685	1 FT	COVER, CONDUCTOR, 1/4" ID X 50', GRAY SILICONE RBR TUBING
4	RISER-1IN-UGUARD-1PC-F	1	4004659	1	GUARD, CABLE, 1" X 10', PVC, W/ ONE BELLED END
			4001700	15	SCREW, LAG, 1/4" DIA, 2" LG, HEX HEAD, PILOT PT, GALV STL

NOTES:

- FOR 4/0 AND SMALLER NEUTRALS, USE SQUEEZON TYPE CONNECTORS. FOR 336 AL AND LARGER NEUTRALS, BOLTED WEDGE CONNECTORS ARE PERMITTED. SPLIT BOLT OR VISE TYPE CONNECTORS ARE NOT PERMITTED ON OVERHEAD NEUTRALS.
- #2 COPPER GROUND MUST EXTEND A MINIMUM OF 48" BELOW THE LOWEST ENERGIZED CONDUCTOR.
- LEAVE ENOUGH EXPOSED #2 COPPER (WHERE IT CONNECTS TO THE #6 POLE GROUND) TO ACCOMMODATE TRUCK GROUNDING.



3				
2				
1				
0	9/30/21	ROBBINS	BURLISON	GRAHAM
REVISED	BY	CHK'D	APPR.	

GROUND WIRE FOR GROUNDING
IN THE PRIMARY SPACE

DEC	DEM	SEP	DEF
			X
02.03-104			

EQUIPMENT GROUNDING/BONDING

WHERE EQUIPMENT GROUNDING IS REQUIRED, ALL EQUIPMENT TANKS, HANGERS, AND OTHER HARDWARE MUST BE SOLIDLY BONDED TOGETHER AND THEN CONNECTED TO THE SYSTEM NEUTRAL.

- EQUIPMENT PROTECTED BY A FUSE (i.e. OH TRANSFORMERS, OH CAPACITOR BANKS) WILL REQUIRE A #6 SD BC GROUND WIRE, CONNECTED TO THE SYSTEM NEUTRAL. THE GROUND WIRE DOWN THE POLE IS ALL #6 SD BC, CONNECTED TO THE SYSTEM NEUTRAL AND THE GROUND RODS.
- ALL PAD-MOUNTED TRANSFORMERS AND UNDERGROUND PRIMARY ENCLOSURES, SINGLE AND THREE-PHASE, REQUIRE A #4 SD BC LOOPED GROUND TO MATCH THE NEUTRAL OF #1/0 UG PRIMARY CABLE.
- EQUIPMENT THAT WILL BE SUBJECT TO OPERATING ON THE SUBSTATION BREAKER (i.e. REGULATORS, PAD-MOUNTED SWITCHGEAR, PAD-MOUNTED CAPACITORS, PRIMARY METERING ENCLOSURES, RECLOSERS, ETC.) WILL REQUIRE #2 SD BC GROUND. (THE GROUND WIRE DOWN THE POLE TO THE GROUND RODS IS #6 SD BC.)
- BULK FEEDER (TERMINAL) POLES REQUIRE THE GROUND BRAID STRAPS (PROVIDED IN THE TERMINATOR KIT) BE RUN TO THE SYSTEM NEUTRAL AND CONNECTED. (THE GROUND WIRE DOWN THE POLE TO THE GROUND GROUND RODS IS #6 SD BC.)

WHERE EQUIPMENT OR MATERIAL IS NOT GROUNDED, IT MUST BE SEPARATED FROM OTHER GROUNDED EQUIPMENT BY A MINIMUM OF 4". SPECIAL INSTRUCTIONS MAY BE GIVEN THAT REQUIRE ADDITIONAL SEPARATION. THIS WILL MINIMIZE RADIO AND TV INTERFERENCE.

CONCRETE POLES OR POLES SET IN CONCRETE

A DRIVEN GROUND CONNECTED TO THE SYSTEM NEUTRAL IS REQUIRED ON ALL CONCRETE POLES CARRYING PRIMARY CONDUCTORS. ALSO, ALL PRIMARY HARDWARE ON CONCRETE POLES SHALL BE BONDED TO THE SYSTEM NEUTRAL WITH #6 SD BC. SEE DWG. 02.03-102A.

OTHER DISTRIBUTION POLES

- METAL POLES WITHOUT PRIMARY AND EMBEDDED DIRECTLY IN EARTH DO NOT NEED A GROUND BUT MUST BE BONDED TO THE NEUTRAL AT THE POLE.
- WOOD POLES SUPPORTING ONLY SECONDARY DO NOT REQUIRE A GROUND.
- UNDERGROUND-FED STREET AND AREA LIGHT POLES THAT HAVE A METAL U-GUARD OR CONDUIT MUST HAVE THE METAL U-GUARD BONDED TO THE NEUTRAL AT THE POLE.

GUYS - SEE SECTION 04

USE OF TRANSMISSION STATIC LINE GROUNDS

WHEN A DISTRIBUTION GROUND IS REQUIRED ON AN EXISTING WOOD, STEEL OR CONCRETE TRANSMISSION UNDERBUILD POLE, THE EXISTING TRANSMISSION STATIC LINE GROUNDING CONDUCTOR AND GROUND ROD SHOULD BE USED WHERE ONE EXISTS, EXCEPT AS NOTED BELOW. IN GENERAL, A SEPARATE DISTRIBUTION GROUNDING CONDUCTOR TO THE GROUND IS NEITHER REQUIRED NOR DESIRABLE ON A TRANSMISSION LINE STRUCTURE DUE TO EXPENSE AND CREATING POTENTIAL RADIO INTERFERENCE.

FOR LIGHT DUTY, DIRECT-EMBEDDED STEEL POLES, A DISTRIBUTION GROUND CAN BE ATTACHED DIRECTLY TO A GROUND CLAMP INSTALLED BY FIELD DRILLING THE POLE. FIELD DRILLING OF SPECIAL DESIGN STEEL POLES ON CONCRETE FOUNDATION IS NOT ALWAYS PERMITTED. CHECK WITH TRANSMISSION BEFORE DRILLING. THEREFORE, IF DISTRIBUTION IS UNDERBUILT AND NEEDS A GROUND AND TRANSMISSION POLE CANNOT BE DRILLED, AN INTERMEDIATE DISTRIBUTION POLE MUST BE SET FOR THE EQUIPMENT AND GROUND. NEW SPECIAL DESIGNED STEEL TRANSMISSION STRUCTURES CAN BE FACTORY-EQUIPPED WITH A GROUNDING NUT OR PAD FOR DISTRIBUTION GROUNDING ATTACHMENTS IF DISTRIBUTION UNDERBUILD IS PLANNED AND SPECIFIED PRIOR TO THE POLE FABRICATION.

3				
2				
1				
0	6/30/16	BURLISON	WHITE	ADCOCK
REVISED	BY	CK'D	APPR.	

EQUIPMENT GROUNDING/BONDING

			
DEC	DEM	DEP	DEF
X	X	X	X
02.03-110			

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length

X = Work Zone Sign Spacing

B = Buffer Length

See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between Z and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than Z' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

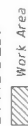
6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

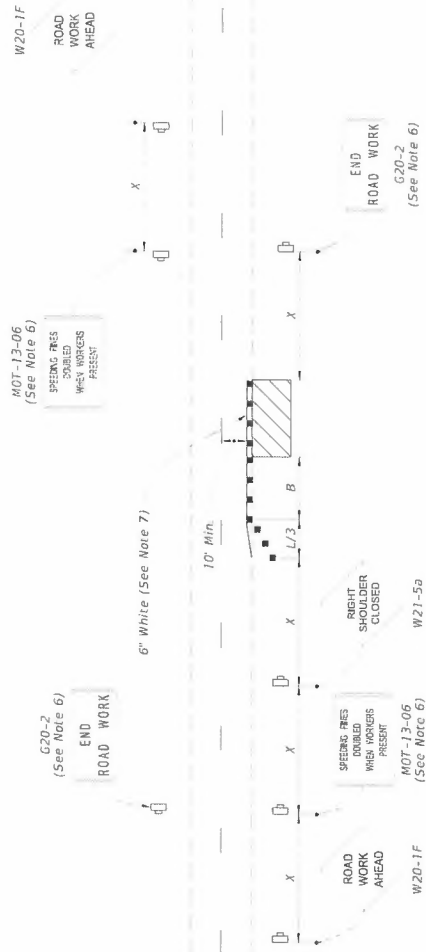


■ Channelizing Device (See Index 102-600)

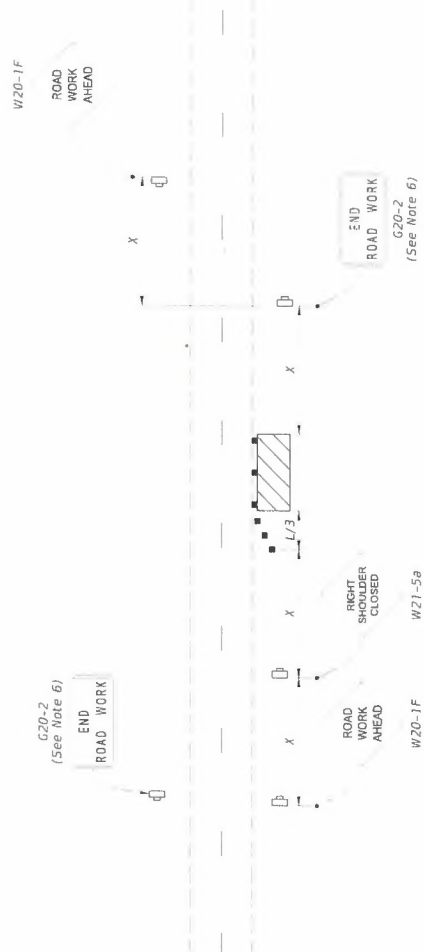


□ Work Zone Sign

— Lane Identification and Direction of Traffic



**TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS**



**TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY**

LAST
REVISION
11/01/21

DESCRIPTION:



FY 2024-25
STANDARD PLANS

TWO-LANE AND MULTILANE, WORK ON SHOULDER

INDEX
102-602

SHEET
1 of 2



LAST REVISION 11/01/20	DESCRIPTION: REVISION	 FY 2024-25 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2
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