

I. CABINETS

- A. NOTE CABINET LOCATION
- B. NOTE SIGNAL INVENTORY NUMBER
(USUALLY MARKED ON CABINET)
EXAMPLE: 01-0459
- C. NOTE CABINET TYPE
(BASE MOUNT /POLE MOUNT)
- D. CHECK INSIDE CABINET FOR SPARE CONDUIT
(SIGNAL TECHNICIAN MUST BE PRESENT BEFORE DOING THIS)

II. POLES

- A. NOTE POLE TYPE
(WOOD, METAL, METAL WITH MAST ARM)
- B. NOTE POLE NUMBER
(IF APPLICABLE)
USE "SP" FOR SIGNAL POLES
- C. DETERMINE NCDOT ATTACHMENT HEIGHT
- D. NOTE ANY CLEARANCE PROBLEMS OR
ADJUSTMENTS REQUIRED IN ORDER TO
ASSUME THE DESIRED ATTACHMENT HEIGHT
- E. SEE SECTION 1.0 FOR NESC CLEARANCE REQUIREMENTS
- F. RECORD DISTANCES BETWEEN POLES
USING LASER RANGE FINDER OR MEASURING WHEEL
- G. WHEN EVALUATING ADJUSTMENT OPTIONS, BE MINDFUL
OF 'HEIGHT OVER GRADE' CLEARANCES
- H. IF ADJUSTMENTS ARE REQUIRED ON A POLE,
RECORD THE ATTACHMENT HEIGHTS OF ALL
EXISTING UTILITIES USING THE LASER RANGE FINDER
- I. DETERMINE VERTICAL CLEARANCE OVER ROAD AS NEEDED.
USE THE LASER RANGE FINDER.
MEASURE FROM THE ROADWAY TO THE LOWEST
POINT ON THE SPAN.

III. ROADS AND STRUCTURES

- A. RECORD ALL ROAD NAMES AND
STATE ROAD (SR) NUMBERS IF APPLICABLE
- B. NOTE ANY BRIDGES (GRADE SEPARATIONS)
- C. RECORD ANY LANDMARKS, BUILDINGS, OR
OTHER STRUCTURES FOR REFERENCE PURPOSES
AS NEEDED

IV. RAILROADS

- A. WHEN THE CABLE ROUTE CROSSES OVER
OR UNDER A RAILROAD, SPECIAL WIRE-LINE
AGREEMENTS MUST BE MADE.
- B. THE FOLLOWING INFORMATION IS NEEDED
FOR WIRE LINE AGREEMENTS:
 - 1. CROSSING NUMBER (IF AVAILABLE)
USUALLY FOUND ON CROSS ARM MECHANISM
OR CROSSING CONTROLLER CABINET
 - 2. DISTANCE FROM CENTER LINE OF TRACK TO THE
NEAREST POLE ON EACH SIDE OF THE TRACK
(FOR AERIAL INSTALLATION)
 - 3. VERTICAL CLEARANCE FROM THE TOP OF THE RAIL
TO THE LOWEST EXISTING OVERHEAD UTILITY
(AERIAL INSTALLATION)
 - 4. DISTANCE FROM CROSSING TO THE NEAREST
RAILWAY MILE MARKER
THIS INFORMATION MAY BE OBTAINED THROUGH
NCDOT RAILWAY DIVISION, RAILROAD COMPANY
RIGHT OF WAY, OR NCDOT RIGHT OF WAY.

Utility Make Ready – Field Investigation Checklist

TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

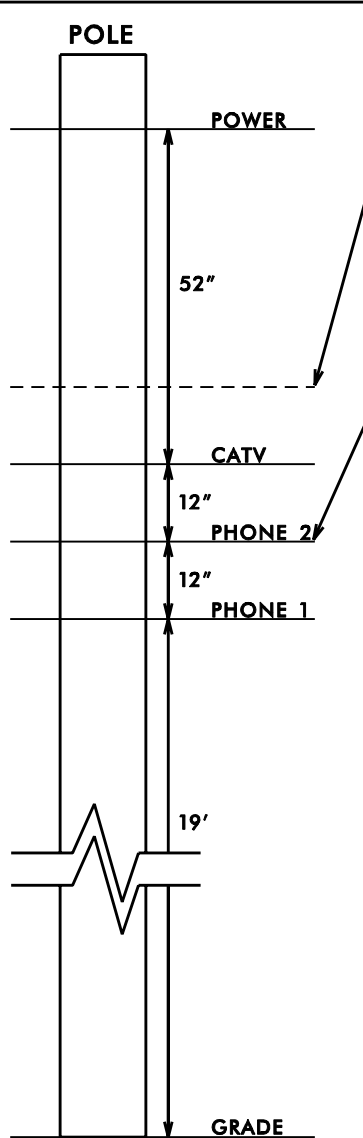
7-04

STD. NO.

8.0

SHEET 1 OF 1

CASE 1



A. IF PROPOSED NCDOT COMMUNICATIONS CABLE ATTACHMENT HEIGHT IS 40" BELOW POWER

TYPICAL ADJUSTMENT NOTES

NO ADJUSTMENT REQUIRED
THERE IS ADEQUATE CLEARANCE

B. IF PROPOSED NCDOT COMMUNICATIONS CABLE ATTACHMENT HEIGHT IS 12" BELOW CATV

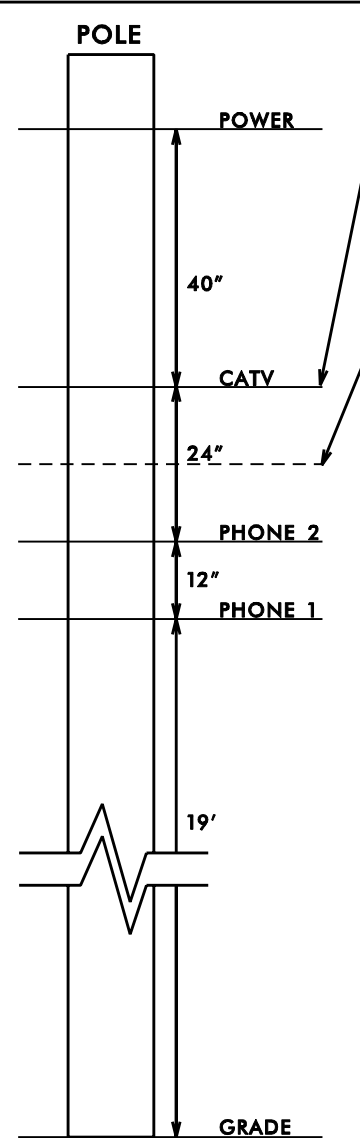
TYPICAL ADJUSTMENT NOTES

CATV RAISE TO 40" BELOW POWER
OR
PHONE 2 LOWER TO 24" BELOW CATV
PHONE 1 LOWER TO 12" BELOW PHONE 2

TYPICAL UTILITY TREE

25' -04"	POWER	
21' -00"	CATV	12" 52"
20' -00"	PHONE 2	12"
19' -00"	PHONE 1	12"

CASE 2



A. IF PROPOSED NCDOT COMMUNICATIONS CABLE ATTACHMENT HEIGHT IS 40" BELOW POWER

TYPICAL ADJUSTMENT NOTES

CATV LOWER TO 52" BELOW POWER

B. IF PROPOSED NCDOT COMMUNICATIONS CABLE ATTACHMENT HEIGHT IS 12" BELOW CATV

TYPICAL ADJUSTMENT NOTES

NO ADJUSTMENT NOTE REQUIRED
THERE IS ADEQUATE CLEARANCE

TYPICAL UTILITY TREE

25' -04"	POWER	
22' -00"	CATV	12" 40"
20' -00"	PHONE 2	24"
19' -00"	PHONE 1	12"

Utility Make Ready – Common Adjustment Notes

TRAFFIC MANAGEMENT SYSTEMS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

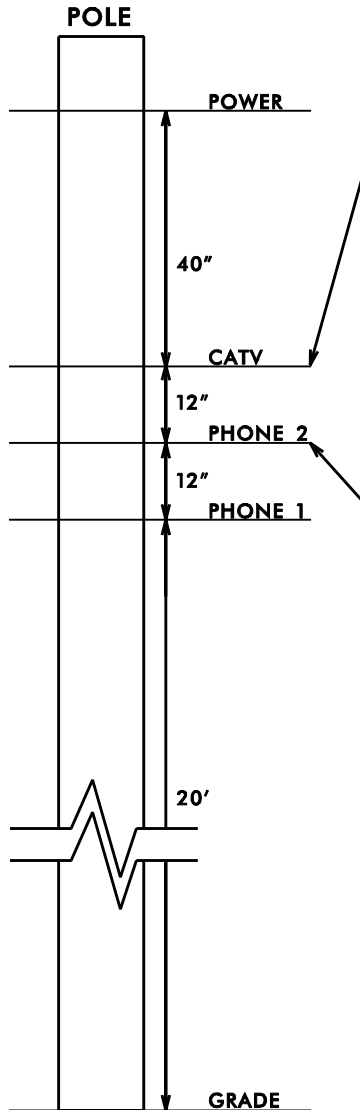
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SHEET 1 OF 2

7-04

CASE 3



A. IF PROPOSED NCDOT COMMUNICATIONS CABLE ATTACHMENT HEIGHT IS 40" BELOW POWER

TYPICAL ADJUSTMENT NOTES

ALL UTILITIES TO LOWER 12"
 OR
 CATV LOWER TO 52" BELOW POWER
 PHONE 2 LOWER TO 64" BELOW POWER
 PHONE 1 LOWER TO 76" BELOW POWER
 OR
 CATV LOWER TO 52" BELOW POWER
 PHONE 2 LOWER TO 12" BELOW CATV
 PHONE 1 LOWER TO 12" BELOW PHONE 2

B. IF PROPOSED NCDOT COMMUNICATIONS CABLE ATTACHMENT HEIGHT IS 12" BELOW CATV

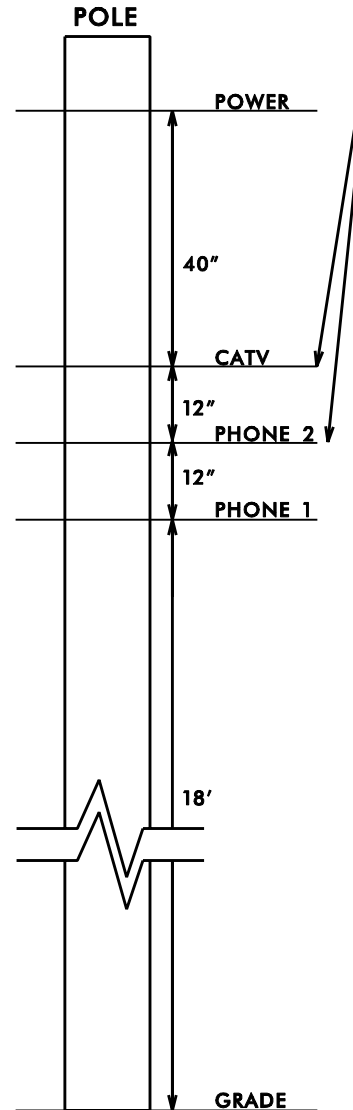
TYPICAL ADJUSTMENT NOTES

PHONE 1 AND PHONE 2 LOWER 12"
 OR
 PHONE 2 LOWER TO 24" BELOW CATV
 PHONE 1 LOWER TO 12" BELOW PHONE 2

TYPICAL UTILITY TREE

25' -04"	POWER	
22' -00"	CATV	12"
21' -00"	PHONE 2	12"
20' -00"	PHONE 1	12"

CASE 4



IF PROPOSED NCDOT COMMUNICATIONS CABLE ATTACHMENT HEIGHT IS 40" BELOW POWER OR 12" BELOW CATV

REQUIRED ADJUSTMENTS WOULD PUT LOWEST UTILITY (PHONE 1) BELOW 18' ABOVE GRADE

THEREFORE THE EXISTING POLE MUST BE REPLACED WITH A TALLER POLE

TYPICAL ADJUSTMENT NOTES

GENERAL

CHANGE OUT POLE

SPECIFIC

REPLACE EXISTING POWER POLE (POLE #) WITH CLASS 2 - 55' WOOD POLE

TYPICAL UTILITY TREE

23' -04"	POWER	
20' -00"	CATV	12"
19' -00"	PHONE 2	12"
18' -00"	PHONE 1	12"

Utility Make Ready – Common Adjustment Notes

TRAFFIC MANAGEMENT SYSTEMS SECTION
 TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

8.1

SHEET 2 OF 2

7-04