

PREREQUISITES FOR UNDERGROUND INSPECTION
CHECKLIST TO BE COMPLETED AND SUBMITTED PRIOR TO REQUESTING SIGNAL INSPECTION

INTERSECTION _____
 PROJECT ID _____

CONTRACTOR REPRESENTATIVE _____
 CITY REPRESENTATIVE _____

CONTR
YES NO

CITY
YES NO COMMENT

CONDUIT - GENERAL

- Are the number and size of conduit installed in accordance with the plans and Standard Procedures?
- Is a conduit run the same size from one pull box or junction to another?
- Was trenched conduit inspected prior to backfill?
- Are conduit curves bent with proper diameter? (Utilize approved method of bending)
- Is conduit under traveled way buried at least 24" but not more than 36"?
- Is conduit outside traveled way buried at least 18" but not more than 36"?
- Are all conduits installed so they drain and have no pockets of trapped water in long runs?
- Have the conduit ends been cleaned? Are all plugs or caps in place?
- Are the conduits placed so that they are not stacked?

PULL BOXES (SDD-9B4) & PULL BOXES NON-CONDUCTIVE (SDD-9B16)

- Are the number and size of pull boxes installed in accordance with the plans and Standard Procedures?
- Are the conduit holes sized appropriately, conduit diameter plus no more than 1/4" ?
- Does the conduit extend a maximum of 3" into the pull boxes?
- Do all conduits enter the pull boxes at least 6" above the bottom?
- Are drain sumps installed where needed? Contact Engineer for input.
- Is there proper drainage for all pull boxes?
- Are there any extra or unused holes in the pull boxes?
- Was 12" of No. 2 stone installed under the pull box with leveling bricks?
- Do the pull boxes match the propped finished grade, not below or above the grade? Unless required in aggregate shoulder

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CONCRETE SIGNAL BASES

- Are all concrete bases installed in accordance with the plans and SDD?
- Are all concrete bases level, round, not cracked and without voids?
- Are the bases at proper elevation and location?
- Are all conduit installed in each base per the Standard Procedures?
- Any existing/proposed overhead utility conflicts?
- Has a 1" conduit been installed for grounding as required on pertinent Standards?

TYPE 1, 2, & 5 (SDD-9C2)

- Are base bolts plumb and parallel with road?
- Are conduit ends 1" above the top of concrete base?
- Are concrete base anchor rods of proper grade, length, diameter and material?

CONCRETE MONOTUBE BASES - TYPE 10 & 13 (SDD-9C11 and 9C12)

- Prior to pouring concrete, was bolt elevation, alignment and arm position verified?
- For a Type 10, are the conduit ends at least 4" above the top of the concrete base?
- For a Type 13, are the conduit ends at least 4 1/2" above the top of the concrete base?

CONCRETE CABINET BASES -SMALL/LARGE

- Is the cabinet base and pad level, intact, not cracked or damaged and without voids?
- Is the cabinet located at a high point to prevent drainage into cabinet?
- Are all conduits in the cabinet base?
- Is the cabinet placed as far from the traveled way as possible?
- Is meter breaker pedestal installed at a proper grade line?
- Are the conduit ends 1" above the top of the concrete base?

LOOPS

- Are the loops installed as shown on the plans? Verify size, number of turns and installation method.
- Are the far loop locations accurately measured from the NEAR RIGHT SIGNAL?
- Are loops in conflict with any utilites? If yes, check with engineer for a new location.
